

JOINT TRANSNATIONAL CAMI4.0 STRATEGY FOR 2021-2027

D.T3.3.3 Policy Framework 2: Setting
up a joint transnational CAMI4.0
strategy for 2021-2027

Final version
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Executive Summary

Project Overview

CEUP 2030 aims to generate stable innovation networks which foster better understanding on Central Europe Advanced Manufacturing and Industry 4.0 (“CAMI4.0”) topics, to generate improved knowledge resource exchange on these technologies leading to an upgraded framework for policy-making and implementation.

Ultimately CEUP 2030 creates and tests a common method to promote improved knowledge dissemination to policy-making stakeholders using a collaborative exchange framework based in physical and digital-methods. These methods and the technology show-cases disseminated within these method structures are harvested from existing, high-quality innovation know-how in the CE area.

The project focuses on:

- Identifying the highest-quality innovation know-how in the CE Area, on the CAMI4.0 Topics.
- Enhancing skills capabilities and knowledge of people in charge of local, regional, and (trans)national RTI Policies, associated to the CAMI4.0 Topics.
- Creating a sustainable structure for awareness-raising and shared-sustainable RTI knowledge resource use to enhance policy decision support.
- Anticipating and fast-tracking policy / strategy policy pilot actions to promote a joint RIS3 for CAMI4.0 Excellence in CE/EU.

Work Package and Activity Overview

The overall objective of WPT3 links to the project’s specific objective of anticipating and fast-tracking policy strategies focused on the sustainable and continuous development of CE/EU in order to promote aligned action on a joint Agenda for CAMI4.0 Excellence.

The challenge manifests in two sub-objectives which are:

- 1) To generate triple-helix stakeholder driven dialogue on support mechanisms for CAMI4.0 Excellence (via the RIS3 Round Tables)
- 2) To foster aligned cooperation processes among 30 CE/EU regions on generating support mechanism for CAMI4.0 using the CEUP 2030 Policy Framework

Thus, by synergizing the gained results (T1: lessons learnt, T2: structures & processes), WPT3 aims at creating long-term strategies supported by policy-relevant actions to assure quality & impact for practice.

A.T3.3 (PTP: DT3.3.1, KPT: DT3.3.2, AFIL: DT3.3.3, 3 deliverables) fosters a joint CAMI4.0 policy strategy for 2021-2027 with 30 regions in CE/EU. Some immediate policy actions get started & long-term capitalisation will be agreed among PP, ASPs & further stakeholders. The objectives of this activity lie thus in defining a Joint Transnational Strategy on CAMI4.0 and setting a joint capitalisation agenda for 2021-2027 across Central Europe.

Scope of Document and Deliverable Summary

This document contains PP’s Common Policy Use Case for each CAMI4.0 topic. In this matter, the core TIN working groups worked together towards one single common Use Case, built on the common elements of the Flagships and on the key inputs from stakeholders about future foresight and new emerging instruments. Furthermore, they defined a common roadmap



across Central Europe on every specific CAMI4.0 topic. To reach these outputs, brainstorming sessions has been organized inside the working groups, at least one per month, and templates have been completed by TIN leaders (one per CAMI4.0 topic) and by every Partner for each TIN working group the Partner is core member. All these templates (see Annex, section 6.1) have been uploaded on Alfresco.

This exercise has not only enabled PPs to work on a Common Policy Use Case but also created more synergy regarding implementing CE and EU policy and strategy associated to the 4 CAMI4.0 topics across Central Europe.

Audience

This document is directed to project partners that has been involved in brainstorming sessions and could use it as inputs for the implementation of the developed strategy in the four CAMI4.0 topics. The Common Policy Use Cases set the basis for the 2021-2027 interregional collaboration framework on advanced manufacturing topics.

The appropriate status of this deliverable is reflected in the “Dissemination Level” table, on the Document Control page of this Document.

Change Control Procedure and Structure

The Deliverable Responsible: Associazione Fabbrica Intelligente Lombardia (AFIL/PP6) created this guidance document which is hosted on the Project’s common repository in the appropriately named deliverable folder.

The document is under project deliverable change control protocols whereby partners are requested to give feedback on the draft version according to the timing proposed in the final section of this document. Feedback will be incorporated, and the final version will be issued by AFIL.

At any time, partners believe a project methodology should change, the request should be brought to the Deliverable Responsible (AFIL/PP6) and the Work Package Leader (PIA/PP3) to consolidate feedback from other partners, and then further integrate and disseminate the final agreed changes. A new version of the document should be created, and recorded in the document’s “Document History” table.



Abbreviations

Abbreviation	Explanation
AF	Application Form
AM	Advanced Manufacturing
ASP	Associated Partner (i.e., Strategic Partner)
CAMI4.0	Central European Advance Manufacturing and Industry 4.0
I4.0	Industry 4.0
TIN	Trend and Innovation Network
PIF	Policy Implementation Framework
PLL	Policy Learning Lab
PP	Project Partner
RIS3	Regional Innovation Strategy for Smart Specialisation
S3	Smart Specialisation Strategy
Use-Cases	Policy Instrument Use-Cases
Flagships	RIS3 Alignment Policy Pilot Project Flagships



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1. Key Background information

1.1. AT3.3 activity within CEUP2030 project

The flow of information from Activity T3.3 can be viewed as in Figure 1, also in relation with other WPs. It showcases that thanks to the Harvesting activity (AT3.1) and the RIS3 Round Table (AT3.2), AT3.3 can be implemented and therefore a Policy Framework can be defined. This focuses on specific manufacturing challenges and the specific model of targeted solution which can be operationalised to promote the uptake and adoption of advanced manufacturing and industry 4.0 technologies.

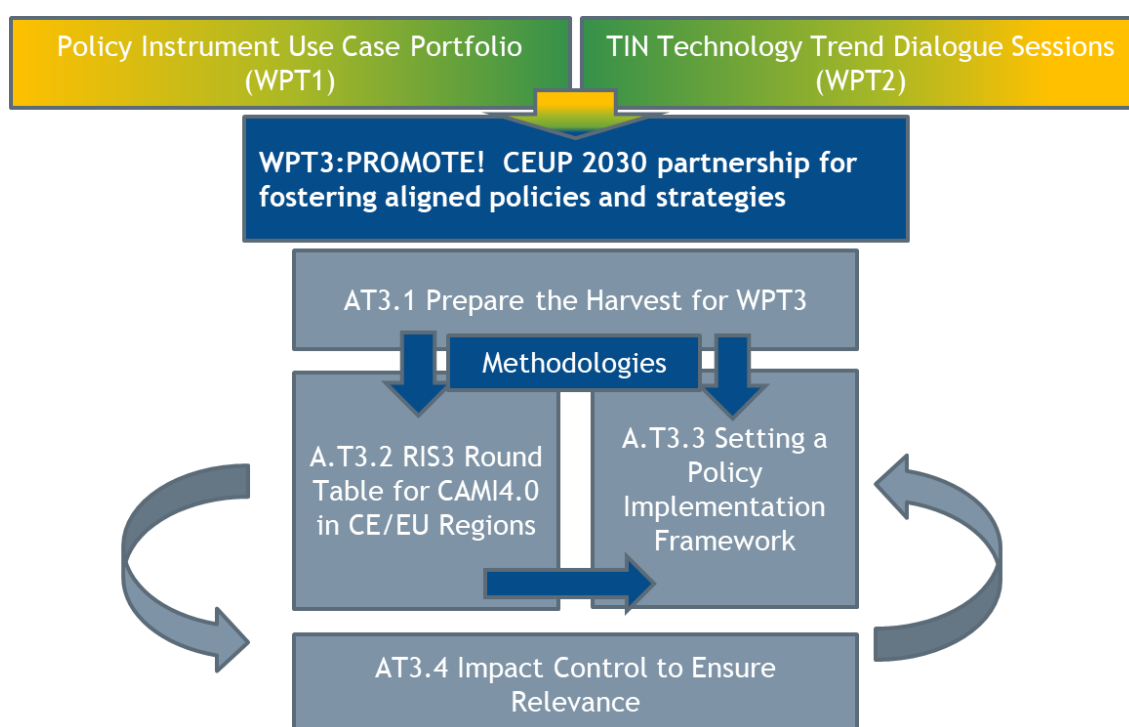


Figure 1 - Activity T3.3 inside WPT3 (CEUP2030 generated)

In particular, within AT3.3, three main activities have been performed:

- AT3.3.1 for the definition of Cooperation Guide for around CAMI4.0 Policy Framework among all relevant EU programmes (Responsible: PP8/PTP)
- AT3.3.2 for the set up and implementation of regional flagships on CAMI4.0 topics (Responsible: PP1/KPT)
- AT3.3.3 for the set up and implementation of joint transnational CAMI4.0 strategy for 2021-2027 (Responsible: PP6/AFIL)

1.2. Description and goal of the TINs

The **Trend & Innovation Networks** are **communities of stakeholders** established/anchored around the 4 main topics of CAMI4.0: Intelligent Production Systems, Automation & Robotics, Smart Materials and Artificial Intelligence (Refer to D.T1.1.1 and D.T.1.1.2 for detailed description of CAMI4.0 topics). Each PP has established a TIN for each CAMI 4.0 area, inviting representatives of the triple-helix who will **discuss and share trend and innovation foresights** on the targeted topics.



Besides their regional configuration, TINs also have an interregional dimension thanks to action of PPs that guarantee connections among the different network exploiting the synergies emerged during TINs development. In particular, PPs contributed and fostered the identification and development of use-cases in each network that have been concretely implemented in flagship projects involving partners from different regions, either PPs or their stakeholders. Each TIN guaranteed the generation of 5 use-cases that then re used as basis for the definition of the joint transnational CAMI4.0 strategy for 2021-2027.

As an output of CEUP2030, Trend and Innovation Networks for CAMI4.0 contributed to the generation of stable innovation networks, designed to foster a better understanding, generate improved knowledge and exchange on new technologies relevant for Central Europe Advanced Manufacturing and Industry 4.0 and raise awareness on RTI knowledge resources to enhance policy decision making. Accordingly, the methodology and the processes of the TINs enabled for one side the exchange of good practices and available knowledge among stakeholders at regional and interregional level and on the other side the generation of professional inputs for policies improvement.

1.3. Use-cases and flagships projects

As already mentioned, project partners had the opportunities to exploit TINs and TTTDMs to foster the identification and development of use-cases that can be turned into flagship projects involving CEUP2030 partners and/or their stakeholders. At the end, a total of 20 flagship projects have been initiated during the project duration and realized beyond the end of the project. Indeed, every partner should report 2 Flagship Projects out of their 4 Use Cases. As a reminder, Flagship projects:

- are built from the “Policy Instrument Use Cases” identified at the end of WPT1;
- aim to showcase how specific policy instrument action can improve regional S3 (or R&D) support for chosen CAMI4.0 topics;
- are significant initiatives which clearly add value or deliver enhanced competitive advantage to the innovation eco-system surrounding advanced manufacturing and industry 4.0;
- should have clear implementation milestones which bring the flagship to reality;
- should be evidenced by physical submission documents to show that formal next steps have been taken (which also evidence the financial value and committed stakeholders of the initiative);
- tackle specific challenges, and highlight specific solutions to promote the uptake and adoption of advanced manufacturing and industry 4.0 in Central Europe’s manufacturing eco-system;
- take into account new priorities/thematic targets expressed by the European Commission for the new period 2021-2027

Each TIN, based on the topics and sub-topics identified and building on the competences and knowledge available in the participating regions, grouped 4-5 identified flagship projects in alignment with what has been pre-defined in WP T1 Harvesting for the different CAMI4.0 topics.

For every CAMI4.0 Topic

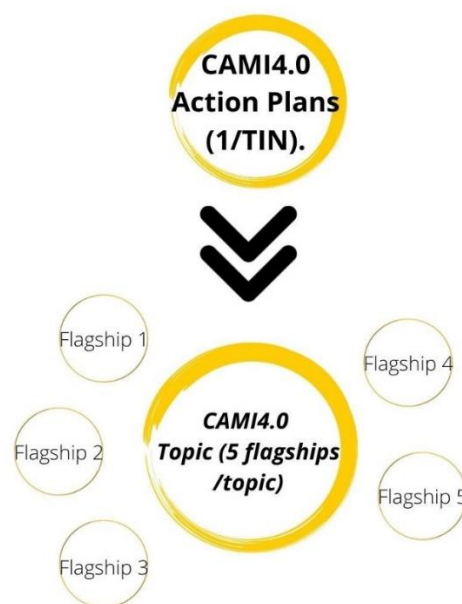


Figure 2 - Action to deliver DT3.3.2 (CEUP2030 generated)

The identified flagship projects divided in the four CAMI4.0 topics are reported in Table 1. They are deeply described in Deliverable T3.3.2, in terms of activities, objectives and impact at regional and CE level. They have been used as basis for the discussion and development of a joint strategy 2021-2027 for interregional cooperation, through the analysis of the main commonalities and differences.

Table 1: individual PPs flagship projects within CEUP2030

IPS	Automation & Robotics	Smart Materials	Artificial Intelligence
Human Centered AI Based Production Optimization (HAIPrO) project <i>PP2 - PRO</i>	Hub4Industry <i>PP1 - KPT</i>	3DoP project <i>PP1 - KPT</i>	AI ROADMAP <i>PP6 - AFIL</i>
Testbed Exchange <i>PP3 - PIA</i>	CoRTeam project <i>PP2 - PRO</i>	STEPUP smart ³ project <i>PP5- IWU</i>	FORGING project <i>PP7 - SIIT</i>
Smart Circuit project <i>PP4- IWU</i>	Share4.0 - SK-AT <i>PP3 - PIA</i>	Strategic Community "Advanced Polymers" <i>PP6 - AFIL</i>	National Demo Center initiative for advanced technologies in Agrofood processing industry <i>PP8 - PTP</i>
NEXT4FUN (Next Generation InkJet-based Process Chain for 3D/4D Multi-material Functional Printing) project <i>PP5 - KIT</i>	BIOSAM (Biologicalisation for Sustainable Advanced Manufacturing) <i>PP5 - KIT</i>	EUAlliance <i>PP7 - SIIT</i>	Establishment and development of a smart senior room <i>PP9 - PBN</i>
Autonomous production line (Teaching and Learning Factory) and smart material board <i>PP9 - PBN</i>	Adriatic multifunctional smart buoys <i>PP10- HAMAG</i>	Smart and green innovation approaches for scaling up DT opportunities in CE <i>PP8 - PTP</i>	CROBOHUB++: CROatian Industry and Society Boosting -European Digital Innovation HUB <i>PP10- HAMAG</i>



1.4. Report structure

The report is divided as followed for the next parts:

Methodology, which provides:

- Common goals and objectives
- Templates and activities performed

Transnational Strategy on CAMI4.0 for 2021 to 2027, which provides:

- Analysis of commonalities and differences among flagships to obtain useful recommendations for the identification of common transnational strategy
- Description of the four

Letters of Support, which provides:

- Sum up and analysis of the inter-regional involvement in the developed transnational strategy

Conclusion which provides:

- Short summary of the document

Annexes, which provides:

- Templates towards the Common Policy Use Case and Capitalisation Agenda for the 4 CAMI4.0 topics.
- Template of the Letter of Commitment
- Letters of Commitment

2. Methodology

This section provides insight on the proposed methodology that PPs followed in order to complete the activity and deliver Output T3.1 CEUP 2030 Policy Framework-Synergising CE/EU Policies & Strategies for CAMI4.0 Excellence. To fulfil the conditions, after the definition and reporting of PPs' two individual flagship projects, the Partners worked together in core TIN working groups to determine a Common Policy Use Case and solidify their contribution to it.

The methodological approach presented in this document builds on Deliverable AT3.3.1 and leads to the conception of a roadmap and capitalisation agenda that is based on a common interest to promote capitalisation and implementation of the Partnership's CAMI4.0 Use Cases.

2.1. Common Goals

This deliverable DT3.3.3. defines a Joint Transnational Strategy on CAMI4.0 across Central Europe. Indeed, Partners, organized in core TIN working groups, identified areas of commonalities to capitalize and create a Common Policy Use Case (1 per CAMI4.0 topic). The final objective of this deliverable is to create a joint capitalisation agenda for 2021-2027 agreed among PPs and ASPs for every CAMI4.0 topic in Central Europe. This joint capitalisation agenda can be seen as a strategic Roadmap regarding one CAMI4.0 topic in Central Europe.

For every CAMI4.0 Topic

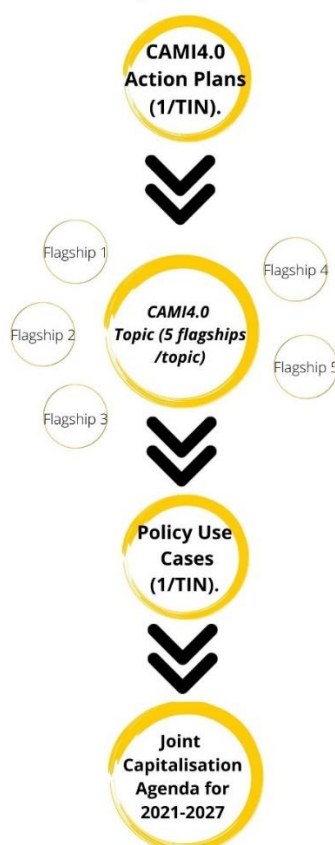


Figure 3 - Towards a Joint Strategy & Capitalisation Agenda (CEUP2030 generated)



As reported in **Figure 3**, PPs have worked in their TINs to develop the 4 Use Cases (WPT1) thanks to many webinars and alignment discussions organized by the partners with their stakeholder groups on the future of the CAMI4.0 topic areas (IPS, Automation and Robotics, Smart materials, and AI). On this basis, each TIN identified its own Action Plan and each PPs chose 2 Flagship projects (20 in total) to develop, implement and create a strong agenda for capitalisation through a stakeholder supported roadmap.

These 20 Flagship projects was divided according to the reference CAMI4.0 topics (5 Flagship/topic) and acted as inputs to determine a common vision for promoting the growth, adoption and uptake of advanced manufacturing and industry 4.0 in Central Europe. This common vision emerged from a common characteristic analysis of the contributing Flagships and took advantage of these common themes to generate a model and roadmap for future activities which could promote transnational collaboration across Central Europe in the specific thematic topic area. More specifically it represents a **capitalisation agenda which consolidates recommendations on how we build strong connections across territorial areas** (30 regions), towards a common vision for our manufacturing future. According to this, Partners also identified and involved a clear stakeholder network with whom they will work to deliver the identified steps, which will be codified in the **Letters of Commitment** for the Policy Implementation Framework.

Core TIN working groups worked towards a common cooperation projects and initiatives through co-creation brainstorming. This **co-creation process** was influenced by the different backgrounds and experience of the contributing partners by some clear inputs from across the project:

1. The stakeholder feedback from the RIS3 Round Tables (AT3.2);
2. An analysis of the common features of the contributing Flagship projects for the specific CAMI4.0 topic area (AT3.3.2);
3. The ideations which partners brought in from their Policy Instrument Deep-Dive (WPT1);
4. The changes to or new opportunities within each Partner's territorial area Smart Specialisation Strategy/RIS3 for Manufacturing related R&D;
5. The changes to the key challenges identified by the European Commission to be the basis for the new programming period 2021 to 2027 (Digital Europe Programme, European Green Deal, etc.)

These ideas built a new project concept, or Common Policy Use Case, with recommendations on what would need to be done to activate this idea in reality with a pool of territorial areas beyond those in our partnership. After this process, the Partners will gain commitment (through Letters of Commitment) from their stakeholders with whom they've been working across this project (organisations who attended the different meetings and events, organisations they've been building their Use Cases or other new 2021-2027 initiatives, etc.). This process is reported in **Figure 4**.

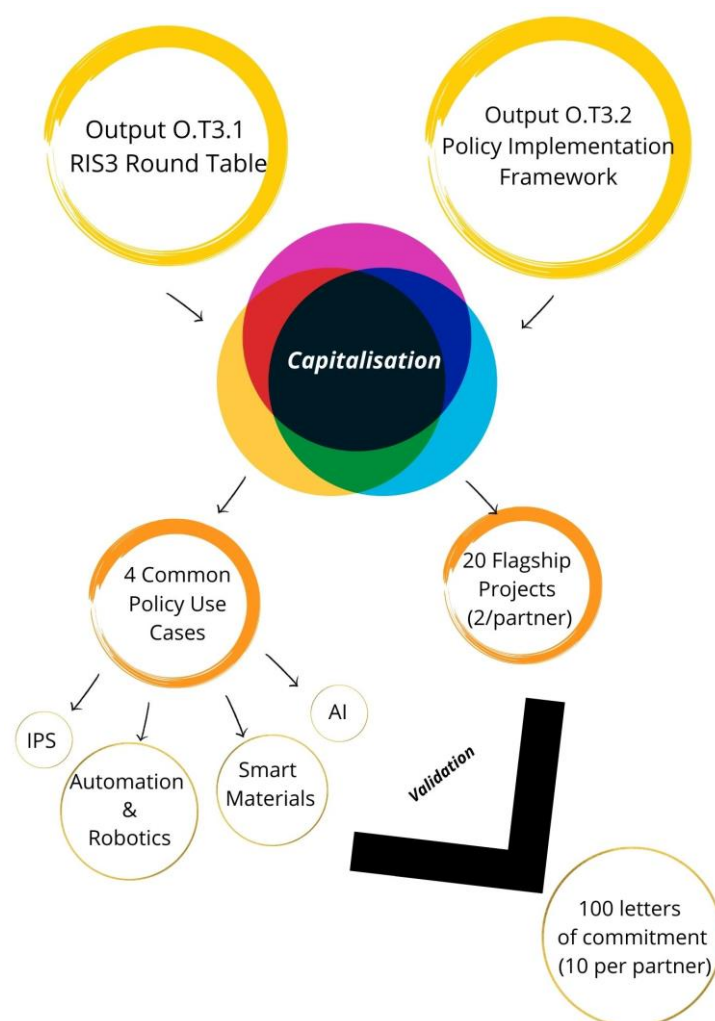


Figure 4 - Overview of WPT3 (CEUP2030 generated)

2.2. Templates and activities performed

The CEUP 2030 Joint Strategy & Capitalisation Agenda operates like a roadmap and responds to the challenges for the future of advanced manufacturing as observed and discussed during the TIN working sessions per CAMI4.0 Topic. It creates a common model for tackling these challenges and delivering a structure to promote Central European competitive advantage in the topic area. Throughout the process of this activity, Partners started from the **analysis on the five key flagships associated to their CAMI4.0 topic**. They looked for commonalities and opportunities for capitalisation, such as:

- common challenges
- common solution
- common instrument use
- common stakeholders targeted

These commonalities became the basis for the common project idea where partners work together with their stakeholder network to create cooperative and joint action. These actions promote strategic development and alignment to grow the adoption and uptake of advanced manufacturing and industry 4.0 with our key target groups. Partners also identified



a diverse stakeholder network to support their ideas. The official evidencing of outreach to these regions is codified through the signing of Letters of Commitment from these organisations in support of the common policy use case.

2.2.1 Partners' role

PPs participated in defining this Joint Strategy and Capitalisation Agenda. They take into account the opinions of Associate Partners and stakeholders who signed the Letters of Commitment, making sure to have a diverse stakeholder group from their own region and from other territorial areas who are committed to building elements of this common model with the consortium in the years to come.

In particular, PPs worked in **TIN working groups** to create one Policy Use Case per CAMI4.0 Topic. These core TIN working groups have been formed around the CAMI4.0 Topic in which Partners are enabling their flagships, as reported in **Table 2**. Regular meetings (**Table 3**), at least two per TIN, have been organized virtually to talk about the Common Policy Use Case that has been developed for every CAMI4.0 topic. **Four Common Policy Use Cases emerged from those discussion at the end of the Activity through brainstorming sessions** enabling sharing experiences and the analysis of commonalities and opportunities for further capitalisation.

TIN Leaders led and made sure the project is in good track for every CAMI4.0 topic, also reporting regarding their Common Policy Use Case in their respective CAMI4.0 topic. The identified TIN leaders were:

- Fraunhofer IWU for Smart Materials
- AFIL for AI
- Profactor for Automation and Robotics
- Karlsruhe Institute of Technology for IPS

Table 2: PPs participating to TIN working groups

IPS	Automation & Robotics	Smart Materials	Artificial Intelligence
PP2 - PRO	PP1 - KPT	PP1 - KPT	PP6 - AFIL
PP3 - PIA	PP2 - PRO	PP5 - IWU	PP7 - SIIT
PP4 - IWU	PP3 - PIA	PP6 - AFIL	PP8 - PTP
PP5 - KIT	PP5 - KIT	PP7 - SIIT	PP9 - PBN
PP9 - PBN	PP10 - HAMAG	PP8 - PTP	PP10 - HAMAG

Table 3: meeting organized by TIN leaders for the definition of Common Policy Use-Case

IPS	Automation & Robotics	Smart Materials	Artificial Intelligence
27/10/2021 TIN Use case development Meeting	24/11/2021 Motherflagship Meeting 1 - Brain Storming	09/12/2021 First Brainstorming and Idea Creation Workshop	24/11/2021 PPs focus on their flagships, describing them to other PPs and finding commonalities and differences among them.
03/12/2021 TIN Use case development Meeting	16/12/2021 Motherflagship Meeting 2 - Idea Development Stage	19/01/2022 Second Brainstorming and Concept Creation Workshop	15/12/2021 PPs focus on the common flagship, defining the challenged and the proposed solution, the involved stakeholders, etc.
		30/03/2022 Concept Improvement Workshop	19/01/2022 PPs focus on the possible funding tools to be used for the flagship, discussing the objectives of Interreg CE program.



		01/04/2022 Validation of Common Use- Case concept through the dedicated template	03/03/2022 According to the guidelines and objectives of the first call, PPs start discussed possible and innovative training tools to be used within the joint proposal.
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2.2.2 Input documents

Following the guidance Deliverable DT3.3.1, the work performed by PPs during TIN working groups and detailed in the following sections of this deliverable has been described through 2 templates. PPs fulfilled these templates and uploaded them on Alfresco, in order to report the performed activities and to qualitative quantify the impact of the Common Policy Use-Cases on their regional ecosystem.

A first template has been fulfilled by TIN leaders on the Common Policy Use Case. Two sections addressed both the Flagship Analysis among PPs to identify common aspect and differences and the Concept Development, recording the project concept features which were agreed to be the basis of the Common Policy Use Case. Here the tangible benefits this will bring and recommendations on how to achieve these benefits across Central Europe are also mentioned and highlighted.

A second template is the self-assessment which asks each Partner within the core TIN group to explain their contribution steps and reflections on the development of the common policy use case. Also in this case, it first focuses on the common learning from the Flagships and the brainstorming sessions and then continues with the implementation phase. In this part, every partner has to define at least five next steps they would like to foster to implement the Policy Use Case. For instance, it can be developing a cooperation with another territorial area which is dealing with the same challenges or to start an open discussion via Workshops with another type of stakeholder.

Full detail of these templates can be found in the Annex of this document.

3. Transnational Strategy on CAMI4.0 for 2021 to 2027

3.1. Intelligent Production Systems

During the brainstorming sessions around the topic of IPS several proposals were discussed and the commonalities in topics were identified. The policy use case therefore has been designed around common interests including 3D/4D Printing, Robotics and Automation, Industry 5.0, smart logistics as well as creating pathways for further SME uptake of CAMI 4.0 topics. In order to achieve this, the elaborated policy use case centres around the *creation of a core network* with a specific thematic focus in which *different funding opportunities on national and transnational level are being explored and potentially coordinated to create long-term cross-border realisation* of relevant R&D topics across different funding schemes accompanied by efficient knowledge and technology transfer actions, networking and application oriented transfer to relevant stakeholder groups. The envisioned network should also support technology foresight efforts, scouting for different collaboration and funding opportunities, strategic communication efforts towards the different national policy ecosystems to foster cross-border and may cross-topic infrastructure development, R&D efforts, up/reskilling of SMEs CAMI 4.0 topics.

The brainstorming sessions have been supported by online tools where PPs were able to identify and collect possible solutions and openly discussed different proposals. The output of brainstorming is reported in Figure 5 and is detailed in the following.

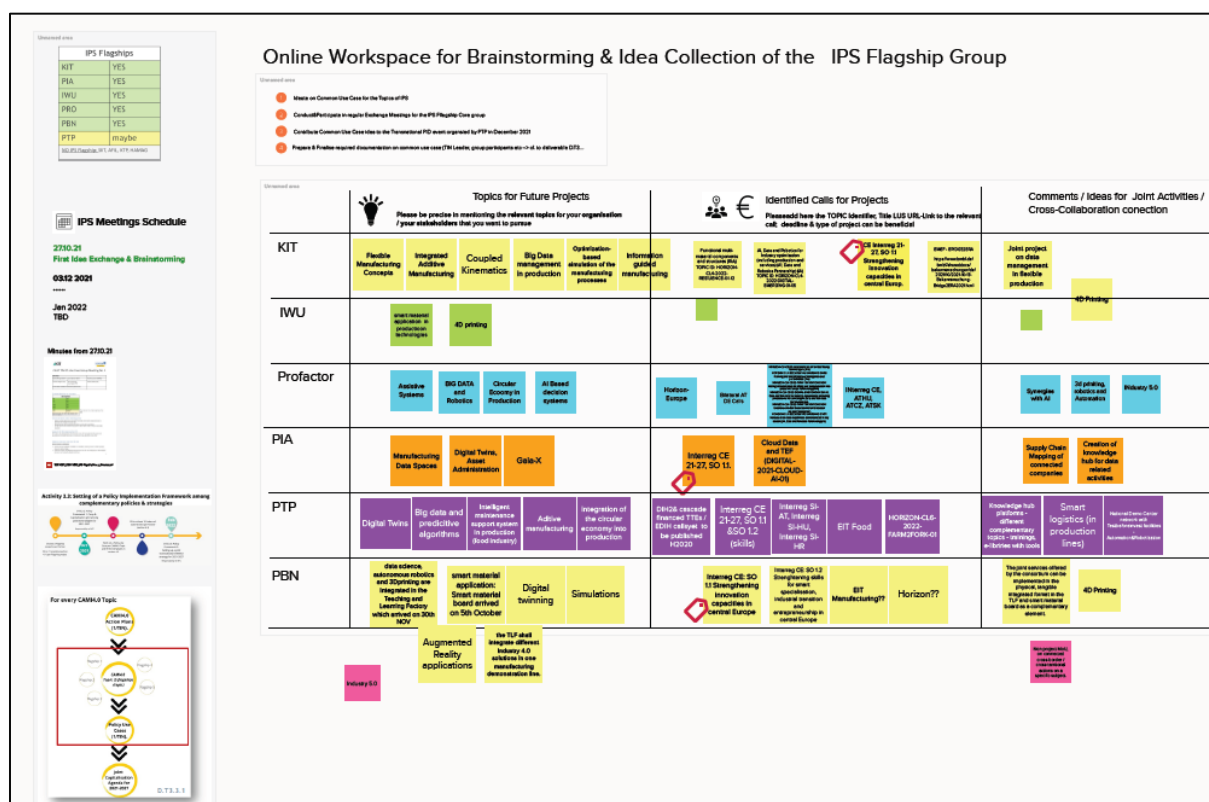


Figure 5 – Brainstorming session of IPS common policy use case

3.1.1 Analysis of common features

The first step to identify a common policy use case was the analysis of individual flagships (Table 4) in order to highlight PPs' main interests and competences. It emerged that the *main challenge* addressed in all the PPs individual flagships was the exploitation of enabling



Industry 4.0 technologies and thereby production optimisation in manufacturing sector for large as well as SMEs. All PPs developed solutions based on AI tools and advanced manufacturing processes such as 3D Printing through the development and execution of advanced R&D projects, the running of testbeds and the set-up of pilot lines for advanced manufacturing.

Table 4: PPs individual flagships on IPS topics.

IPS	Individual Flagships
PP2 - PRO	Human Centered AI Based Production Optimization (HAIPRO) project
PP3 - PIA	Testbed Exchange
PP4- IWU	Smart Circuit project
PP5 - KIT	NEXT4FUN (Next Generation InkJet-based Process Chain for 3D/4D Multi-material Functional Printing) project
PP9 - PBN	Autonomous production line (Teaching and Learning Factory) and smart material board

All PPs' individual flagships were involved in the promotion of advanced manufacturing processes and aimed at furthering the reach and penetration of these new technologies amongst SMEs as well as large industries. This *main commonality* has been implemented either through the creation of research and innovation projects aimed at creating the next generation of young specialists or through creating pilot lines for improving the transfer of knowledge to SMEs and for reskilling.

On the other side, the flagship types of action are different: some are proposals for running funded research and development projects using national and/or international funding programmes while others are innovation/coordination support action projects focusing on different aspects such as network creation, technology transfer, technology development and applied research. The differences between different project types and organisation types makes it difficult to elaborate one topic that may interest all partners and core TIN members. However, the common focus on upskilling and reskilling of SMEs represented the opportunity to elaborate a common joint strategy.

3.1.2 Concept development

The common policy use case is aimed at **creating a network addressing the diverse challenges in the field of Industry 4.0 and the emerging human centred topic of Industry 5.0**. In particular, it focuses on complex challenges already identified within CAMI 4.0 topics, such as the development of integrated Additive Manufacturing, flexible manufacturing, big data management in production, digital twins and circular economy in production, as well as additional topics that will emerge in future by SMEs and start-ups. To do that, PPs will work towards the creation of a cross-border core network with a specific thematic focus within the area of Intelligent Production Systems *including members of the CEUP partnership as well as external triple helix stakeholders* that will work closely with policy makers in order to solve the challenges through the creation of R&D projects or through the creation of networks for promoting SME uptake of CAMI 4.0 topics via national and transnational frameworks, such as Interreg programmes. The projects will include industrial presence for solving real issues and will also look to transfer information on the latest trends and developments in R&D to policy makers.

The created technology-oriented cross-border networks' main focus is on promoting central European manufacturing competitiveness through strengthening innovation capacities in Central Europe. It will represent a benefit for all the involved stakeholders, as reported in Table 5.



Table 5: Target Groups of the IPS Common Policy Use case.

Target Groups	Benefit
Large Enterprises	The generated knowledge and the established collaboration networks will contribute to help particularly low tech and medium tech SMEs with current challenges in digitalisation, digital manufacturing, green and circular economy, sustainability and changes in general in innovation culture by providing access to knowledge and technologies as well as best practice examples for implementation and access new markets and ideas in general.
SMEs	
Higher Education Research organization	Connection with industrial stakeholders for knowledge development and knowledge transfer into applications.
Business Support Organization	The network will strive for promoting upskilling and reskilling of the European workforce to take a leading place in the future manufacturing sectors of the world.
Schools and Training Institutes	Development of skills and competencies aligned to real industrial needs.

The created technology-oriented cross-border network will focus on the creation of projects that should align and meet the *goals of European Union within the programming period 2021-2027*. In particular, IPS common policy use case will support:

1. 'Just Europe' goal - Improving cross border, transnational, and interregional cooperation, improving business conditions, and strengthening innovation capacity.
2. 'Green Europe' goal - Strengthening local economies, increasing their sustainability, and supporting their digital transformation.

Furthermore, the network will also focus on the creation of projects contributing towards to the *European Green Deal Strategy* within the actions:

- Industry - becoming more circular and digital and achieving industrial transformation.
- Research and Innovation - accelerating and navigating necessary transitions, providing data and evidence for impact assessments, consulting innovators.
- Finance and regional development - becoming more sustainable, resilient and better prepared for challenges and opportunities of green and digital transitions.

According to this and in order to implement and capitalize the common policy use-case, during the discussions a **wide range of programs and initiatives were raised as potential funding sources** for the activities, such as Horizon Europe, Bi-lateral calls, EIT as well as Interreg CE. After an initial phase where participating organisations need to bring in their own funding to set up networking activities and exchange formats, strategic funds available from regional, national or EU programs should be used to maintain and expand the initial activities. As an example, for external funds to be acquired, the German BMBF is supporting networking activities with Central and Eastern European countries in the frame of the Bridge2ERA program with the aim to create joint project proposal on EU Level.

As output, the network will institute a holistic approach that will focus on the effective transfer of know-how and human capital and capacity by creating projects that will aim in promoting CAMI 4.0 topics among stakeholders. R&D development needs to go hand in hand with accompanying networking/communication & innovation actions for efficient knowledge and technology transfer across the different stakeholder groups. Better policy alignment can also be achieved by providing educational webinars and awareness campaigns on the pillar topics mentioned above. Additionally, cooperation between mature companies and SMEs and start up needs to be improved by creating cross regional markets and study visits.



To reach these objectives, the **main existing gaps and barriers** that should be overcome through the implementation of the common policy use case are:

- the identification and sharing of common grounds in terms of topics of importance for different national and international triple helix stakeholders.
- the obtainment of proper funding as well as approval for conducting the projects in a mutually beneficial manner.
- the development of projects where SMEs can effectively make their transition and adopt new market and social driven concepts and models, like innovation culture and open innovation, digital manufacturing, sharing economy, sustainability, and circular economy. This step should start decreasing the lack know-how and promoting the sharing of best practices

The CEUP2030 project, thanks to the cooperative teamwork able to identify the pressing issues and topics that need to be addressed in such an international network and cooperation, provided a good base for designing the common flagship as several partners already had connections that facilitated the new network creations. Additionally, the CEUP PPs have expertise in all aspects of the triple helix stakeholder group which made the creation of this network possible.

3.1.3 Capitalisation agenda

For the implementation of the IPS Common Policy Use Case, each PP identified its possible role and highlighted the benefits and the challenges to be faced during the activities to set up the described technology-oriented cross-border network. This information has been collected through PPs' self-assessment documents and are reported in the following to draft a concrete capitalisation agenda.

PRO (PP2) will contribute to the network creation thanks to its own expertise on Industry4.0 topics established in 25 years of collaboration with several industrial partners. Particularly, they will promote the sharing of knowledge in the field of robotics and automation for Advanced Manufacturing concerning sensor technology and processes optimization.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Intelligent Production Systems, as reported in Table 6.

Table 6: PRO benefits and current challenges in the development and implementation of IPS Common Policy Use Case

Benefits	Challenges
The presentation of other flagships during the brainstorming sessions provided several fundamental inputs and ideas which can be used for other Projects covering CE's goals. The sharing of different approaches and applications on the same topics is fundamental in the creation of networks/collaborations and represented an added value for the organization. Considering its individual flagship, the development of a Common Policy Use Case gave some structural inputs which could be also used within other development groups. Furthermore, the similarities among identified technologies could be used also in other fields, promoting mutual cross-fertilization.	For the development of the Common Policy Use Case, together with the difficulty to organize meeting with several different partners in different countries, PPs struggled to identified similar interests/approaches to focus on.

Considering the specific PRO manufacturing ecosystem, the digitalisation, including robotic and AI for IPS, is a key technology for the new paradigm of I5.0 which is a strategic field of the European Commission.

Industry 5.0 provides a vision of industry that aims beyond efficiency and productivity as the sole goals and reinforces the role and the contribution of industry to society. It places the wellbeing of the worker at the centre of the production process and uses new technologies to provide prosperity beyond jobs and growth while respecting the production limits of the planet. It complements the existing "Industry 4.0" approach by specifically putting research and innovation at the service of the transition to a sustainable, human-centric and resilient European industry. Austria, specifically Upper Austria, with its "Upervision 2030" strategy is facing this challenging and wants to reach these goals by strongly supporting the industry in their transition to I5.0. This is also shown in current open or upcoming calls for research to this transformation.

The main challenges to promote the adoption of IPS at industrial level within the local ecosystem are:

- The lack of Personal Resources
- The limited financial investments without testing/preliminary demonstrations
- The lack of Time

In order to make processes more efficient and economically sustainable for businesses, administrative and technical formalities need to be simplified as much as possible.

The Roadmap of PRO for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 6.

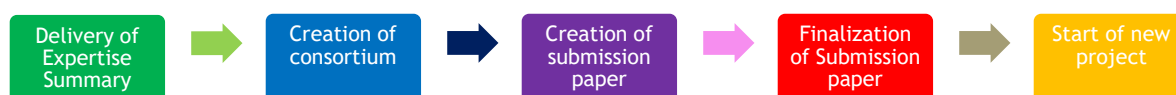


Figure 6 - PRO Roadmap to implement IPS Common Policy Use Case

PIA (PP3) will contribute to support the mindset towards working with Central European partners enabling cross-border collaborations. Slowly but steadily, in fact, Austria's different institutions are opening for international collaborations and still need support for the identification of calls and the research of proper partners. Within CEUP2030 partnership, there was a perceived focus on autonomous production lines and on 3D printing that could act as input also for PIA, together with already strong interests and expertise, such as Data Sharing, etc.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Intelligent Production Systems, as reported in Table 7.

Table 7: PIA benefits and current challenges in the development and implementation of IPS Common Policy Use Case

Benefits	Challenges
<p>IPS is a very broad topic with diverse sub-topics and this diversity is reflected in the CEUP2030 Flagships. As a business support organization, the different projects were interesting and represented a first contact point for interregional collaborations. For instance, the autonomous production line of PBN will be relevant for PIA project with their Czech partners in the Testbed Exchange. Also, KITs focus on 3D (and 4D) printing seems to become even more relevant in Austria due to supply chain shortages.</p> <p>Considering PIA individual flagship, the perspectives of the CEUP2030 partnership on its plans and activities was very helpful adding and considering new topics of relevance, such as 3D printing facilities as potential industrial testbeds for its Testbed Exchange project.</p> <p>As highlighted throughout CEUP2030 project, international collaborations can be very helpful when dealing with technologies, e.g. when purchasing a certain technology or when</p>	<p>The diversity among the PPs individual flagships made it a challenge to find a common ground when talking about potential common Flagship projects. Of course, each organization has its content and regional focus that needs to be reflected in a common Flagship. This was a challenge for the process.</p>

<p>aiming at discovering the status quo in a certain field. Therefore, the proposed Common Policy Use Case as network that strengthens this kind of collaboration is an added value for PIA activities.</p>	
<p>In their daily business, many research and business support organizations in PIA's ecosystem - including the ones who signed the Letters of Commitment - do not find the time to initiate collaboration with other similar institutions outside their very own regions. For instance, without the Testbed Exchange project, exchange between targeted facilities would not take place as easily.</p> <p>Austria's manufacturing industry is highly connected with Central European partners. This is not necessarily the case when it comes to business support organizations like PIA that often tend to be active within national boundaries. That collaboration between diverse partners like in CEUP 2030 brings benefits to the regions and the partners are involved with. Therefore, the Common Policy Use Case will support the region's competitiveness.</p>	<p>Without funding, the building of a network can be a big challenge, as no single organization is probably willing to pay for the intensive creation process, for the necessary travels etc.</p> <p>Therefore, it is crucial for the Common Policy Use Case to find calls for which the project can be submitted. Currently, there is no special focus of the Austrian territory when it comes to Industry 4.0. The more specific the focus of companies or research institutions, the better the international collaboration can be. RIS3 and other initiatives incentivize the search for a thematic focus area in Austria and we hope that this will help to enable the Use Case.</p>

The Roadmap of PIA for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 7.

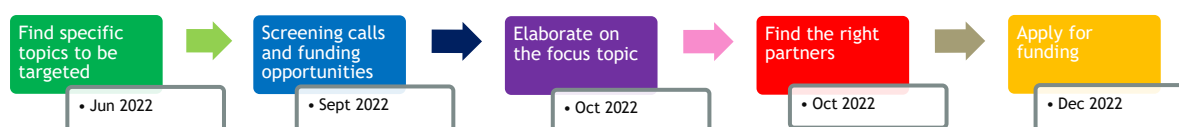


Figure 7 - PIA Roadmap to implement IPS Common Policy Use Case

IWU (PP4) will directly involve the stakeholders participating to its working groups of the institute to identify local SMEs and companies' needs. IWU broad network participation, in fact, offers the comfortable position to have access to different partner pools and possible cooperation partners in projects. The matchmaking aspect, the exchange of information and the creation of exchange formats will be further improved and put into practice, particularly in production sector. Different IWU departments will be involved according to the specific technological area identified for the Common Policy Use Case: IWU has great expertise both on technical level in all kinds of resource-efficient production technologies including 3D printing but also smart and functional materials.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Intelligent Production Systems, as reported in Table 8.

Table 8: IWU benefits and current challenges in the development and implementation of IPS Common Policy Use Case

Benefits	Challenges
<p>The broad spectrum of project topics and focus areas represented a starting point for further possible cooperation and proposal opportunities.</p> <p>In IWU individual flagship, networking and community approaches are the focus, as well as internationalization. In the common concept meetings, the capabilities from the other partners have been described and the generated mutual knowledge has been used for binding ties between IWU stakeholder ecosystem and the other (international) institutions. This enriched IWU projects, but it is also a decisive factor and opportunity for common future projects and cooperation to boost the advance in the research landscape drastically.</p>	<p>The flagships projects are all quite diverse and they are all using different policy programs and instruments. This made it more difficult to find common ground to elaborate one common topic area concept for the partners.</p>



As the common policy use case focuses a lot on the core CAMI4.0 topics, it has the potential to certainly benefit IWU research ecosystem in the region. Saxony has a vast pool of higher education and research institutions which will certainly find good ground for cooperation. Furthermore, the core idea of futureSAX is to showcase and enhance the capabilities which exist in the region and could act as useful potential player also in the common concept.

The region Saxony is renowned for its producing industry. All projects targeting production topics are a potential benefit for the competitive advantage and the transfer of new knowledge into industry.

The general topic of infrastructure improvement would help the involvement of companies in a highly digital world, particularly in remote areas. Some geographic areas, in fact, are quite remote and more difficult to reach, without a car for instance. The internet connection can sometimes be a little unstable in these regions, too. Furthermore, some of the regional/local firms are a little reserved when having to speak in English.

The Roadmap of IWU for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 8.

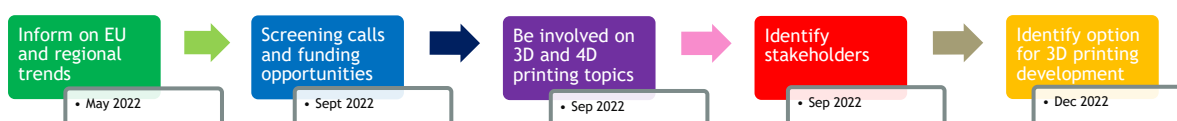


Figure 8 - IWU Roadmap to implement IPS Common Policy Use Case

KIT (PP5) will involve local policy makers and SMEs from the enable eco-system to complement the development and conduction of the Common Policy Use Case. According to the regional expertise and specializations, KIT could greatly contribute on different CAMI4.0 focus areas within the sphere of IPS, such as 3D/4D Printing, functional printing, hybrid process chains, etc.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Intelligent Production Systems, as reported in Table 9.

Table 9: KIT benefits and current challenges in the development and implementation of IPS Common Policy Use Case

Benefits	Challenges
The discussion and comparison with other flagship projects highlighted the complementary to each other, and the significance is that all of them are involved in the promotion of advanced manufacturing processes and aimed at furthering the reach and penetration of these new technologies amongst SMEs as well as large enterprises. For KIT, as IPS TIN leader, it helped to hear everyone's feedbacks and opinions on the different topics to create the visions for the common flagship projects.	One of the difficulties faced during the brainstorming sessions is the fact that the different TIN group members are of different organisation types and focuses on different project types.
The benefits for the ecosystem are the promotion of internationalisation of the organisation and the improvement of the reach and scope of the partner with the different part regions. Furthermore, the development and implementation of the Common Policy Use Case would create further opportunities for project partners to put forward their priority topics to different policy making stakeholders and to find project partners to engage in joint projects within these topics.	The developed Common Policy Use case meets various challenges and supports several goals of the EU such as 'Just Europe', 'Green Europe' and the overall aim to become more circular and digital and to achieve digital transformation. Obvious changes that might help improve its implementation can include the conduction of events and meetings in the local language of the territorial ecosystem, not using only English. Some flexibility in this aspect will help stakeholders' involvement.

The Roadmap of KIT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 9.

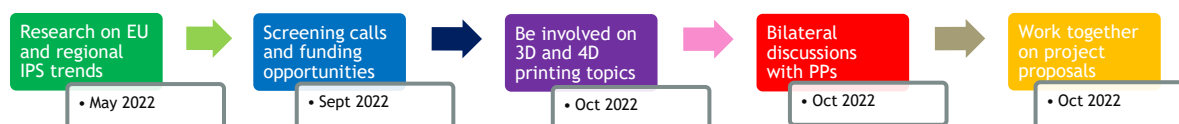


Figure 9 - KIT Roadmap to implement IPS Common Policy Use Case

PBN (PP9) mainly focuses on the development and implementation of teaching and learning factories to promote research on CAM4.0 topics. For the Common Policy use case, PBN will contribute to alignment with the SZOMBATHELY2030 Strategy (approved and signed) since- among others- it also focuses on the fields of robotization and intelligent production systems in the region.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Intelligent Production Systems, as reported in Table 10.

Table 10: PBN benefits and current challenges in the development and implementation of IPS Common Policy Use Case

Benefits	Challenges
<p>The common interest towards enabling I4.0 technologies and thereby production optimisation is aligned to PBN objectives, as well as the involvement of manufacturing large companies and SMEs. The different solutions and methodologies (Advanced R&D Projects, Testbeds) elaborated within PPs flagships are different and interesting, because ideas and experiences could be exchanged, which contributed to improve the individual flagships.</p> <p>In the upcoming calls (e.g CE programme) PPs might cooperate/submit new projects with the working group members since we are now more aware of their competencies and developments in the IPS topic.</p>	<p>Based on the discussions with the working group members, it turned out that flagships were different in terms of perspective, which made it difficult to elaborate one topic that may interest all partners and core TIN members.</p>
<p>Considering PBN ecosystem, university players (Eötvös Loránd University, University of Pécs, Óbuda University) and local municipality (City of Szombathely) as well as BSOs (Chamber of Commerce of Vas County, Institute for Transport Sciences, PBN) signed the letter of commitment of the local strategy called SZOMBATHELY2030. The main aim of the strategy is to contribute to the improvement of the standard of living in Szombathely and its region by focusing on education and research-and-development by promoting industrial transformation and specializing on complex rehabilitation within the health industry. Therefore, all signed stakeholders can benefit from the CEUP2030 Common Policy use case either as a direct PP or indirect beneficiary as knowledge supplier, receiver, or facilitator. The network to be developed could create R&D projects that will further push knowledge development and knowledge transfer into applications, increasing local competitiveness.</p>	<p>The major challenge for the Common Policy Use Case is to find the most appropriate call where the project idea can be submitted. Besides, the establishment of the competent and experienced project consortium is also crucial to ensure the approval of project idea shall be approved.</p>

The Roadmap of PBN for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 10.

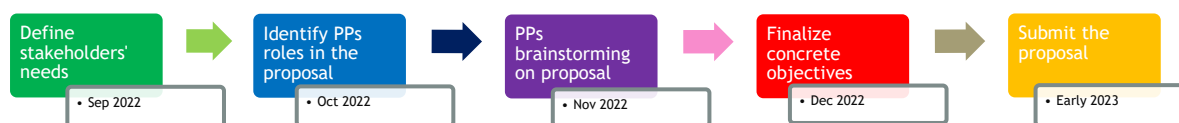


Figure 10 - PBN Roadmap to implement IPS Common Policy Use Case

3.2. Automation & Robotics

During the brainstorming sessions around the topic of A&R several proposals were discussed and the commonalities in topics were identified. According to PPs specific expertise and interests, the developed Common Policy Use Case focuses on the **provision of services to industrial stakeholders, particularly SMEs, on Automation and Robotic topics exploiting existing competencies and infrastructure of CEUP members**. The main idea was to develop a service catalogue for the development of hardware solutions, the testing of different A&R applications in test facilities, the access to software (also Open Source if needed) and to simulations, the customized consulting for SMEs and the access to info on new research projects and achieved results from the different participating regions. In order to achieve this, the elaborated policy use case centres around real demonstration on how to use the services with first test application to show the possible benefits that industrial players could have with this type of approach and, in general, developing and applying A&R solutions.

The brainstorming sessions have been supported by subsidiary materials prepared by PRO as Automation & Robotics TIN leader, so that PPs openly discussed different proposals. Some examples are reported in Figure 11 and the output of the discussion is detailed in the following.

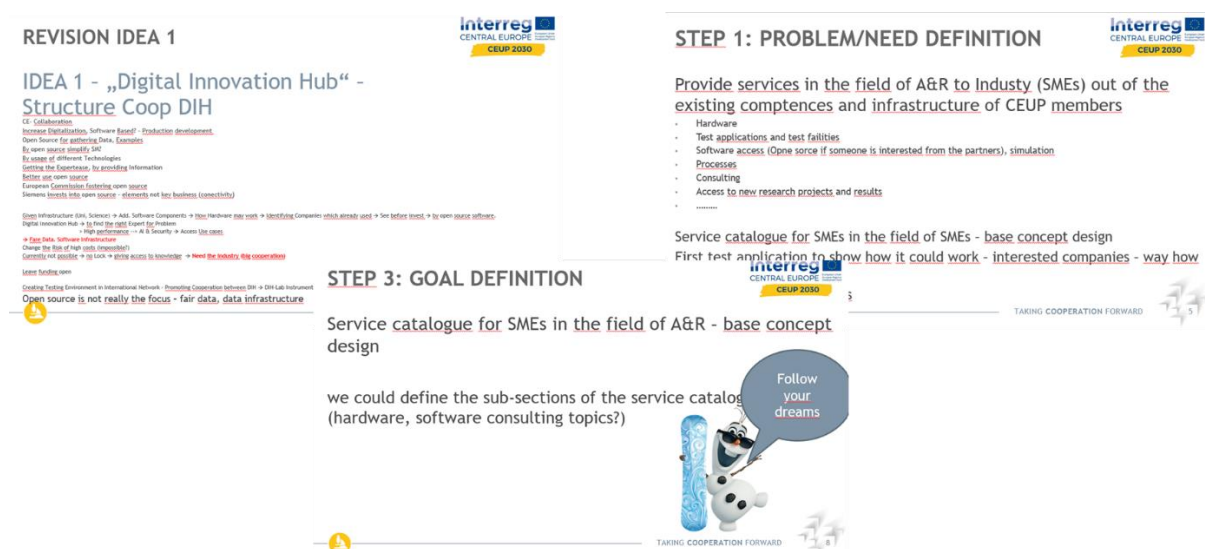


Figure 11 – Brainstorming session of A&R common policy use case

3.2.1 Analysis of common features

The first step to identify a common policy use case was the analysis of individual flagships (Table 11) to highlight PPs' main interests and competences. It emerged that the *main challenge* addressed in all the PPs individual flagships was the setup of collaborations between the different regional Hubs, favouring the networking and the exploitation of the existing infrastructures dedicated to the development of automation & robotic solutions. According to this, the proposed methodology was focused on the testing of technologies for different applications.

Table 11: PPs individual flagships on A&R topics.

A&R	Individual Flagships
PP1 - KPT	Hub4Industry
PP2 - PRO	CoRTeam project
PP3 - PIA	Share4.0 - SK-AT



PP5 - KIT	BIOSAM (Biologicalisation for Sustainable Advanced Manufacturing)
PP10- HAMAG	Adriatic multifunctional smart buoys

All PPs' individual flagships focused on interregional collaboration and creation of a A&R network to favour the sharing of knowledge and the exchange of best practices between the innovation actors and the manufacturing stakeholders. Together with this, other *main commonalities* were the development and implementation of innovative technological solutions and the re-skilling of human resources through educational initiatives able to show the benefits and improve stakeholders' competencies.

On the other side, the *major difference* among PPs' individual flagships is the variety of Automation & Robotics applications targeted. If the A&R working group just focuses on the specific technology similarities, limited achievements could be obtained, but it could also become the opportunity for cross-fertilization among different sectors, exploiting the development of innovative solutions as inputs for some current challenges in other applicative domains.

3.2.2 Concept development

During the brainstorming sessions for the development of the A&R Common Policy Use Case different questions arise. As example, do SMEs need a transnational service catalogue? Is it possible to develop a transnational approach to deliver services to industrial stakeholders? This main challenge, the **provision of customized support to SMEs exploiting interregional collaborations**, is recognized as an added value by involved PPs and has been primarily addressed for the proposed Common Policy Use Case. In particular, the concept is to provide services in the field of A&R to industrial stakeholders, particularly SMEs, out of the existing competencies and infrastructures of CEUP members.

The creation of a space where SMEs have direct access to a service catalogue in collecting all specific A&R expertise should have:

- List of testing infrastructure from academia or research organizations
- Service related to software components developments and Open-Source software
- Hardware to be tested and customized according to the specific need
- Live demos in order to show the real benefits and successful use cases
- A networking platform where to find the right expert for the specific challenge (DIHs)

As described, the Common Policy Use Case will represent a benefit for all the involved stakeholders, as reported in Table 12.

Table 12: Target Groups of the A&R Common Policy Use case.

Target Groups	Benefit
Large Enterprises	The provided Common Policy Use Case gives a starting fundament for industrial stakeholders to easily achieve a digitalization and innovation culture. It minimizes the investments in the European topics of Industry 5.0, particularly for SMEs promoting knowledge transfer and exchange of best practices.
SMEs	
Higher Education Research organization	Connection with industrial stakeholders for knowledge development and knowledge transfer into applications.
Business Support Organization	The network will strive for promoting upskilling and reskilling of the European workforce to take a leading place in the future manufacturing sectors of the world.
Schools and Training Institutes	Development of skills and competencies aligned to real industrial needs.



To be effective and to have a great impact on the different territorial areas, the Common Policy Use Case should align and meet the *goals of European Union within the programming period 2021-2027*. In particular, it strongly emphasizes the importance of international networks and knowledge transfer, reducing challenges regarding the access to important expertise. According to this and to implement and capitalize the Common Policy Use Case, during the discussions a **wide range of programs and initiatives were raised as potential funding sources** for the activities:

- EU Horizon Europe - Upcoming Calls (CSA or similar)
- Financing of interested partners via regional EDIHs
- Interreg projects (Central Europe or bilateral)
- Own sources
- Cascade funding of existing DIHs

As outcome of the Common Policy Use Case, the portfolio of services offered to SMEs in the field of A&R will be supported by an extensive analysis of what is already existing in order to integrate them and to align towards a common understanding and vision on the topics. CEUP 2030, for example, creates and tests a method to promote improved knowledge dissemination to policy-making stakeholders using a collaborative exchange framework based in physical and digital-methods. These methods and the technology showcases were harvested from existing, high-quality innovation know-how in the CE area. Within the Common Policy Use Case, a similar approach is necessary to collect info on what has been already developed in the field of Automation and Robotics. Together with this, the development and implementation of new technologies and solutions will be supported.

To reach these objectives, the **main existing gaps and barriers** that should be overcome through the implementation of the A&R Common Policy Use Case are the acceptance of innovative solutions by industry, especially by SMEs, and their implementation in an easy-to-use and open-access framework based on Open-Source databases. Furthermore, the creation of a network aggregating all significant partners for long-term operations will require particular attention.

In conclusion, the Common Policy Use Case will be based both on already existing and new Pilots for the testing of different applications in the field of Automation & Robotics, promoting the knowledge transfer and the awareness for SMEs. It should rely on a market pull strategy instead of a push strategy by cooperating with larger enterprises.

3.2.3 Capitalisation agenda

For the implementation of the A&R Common Policy Use Case, each PP identified its possible role and highlighted the benefits and the challenges to be faced during the activities to set up the described service portfolio for industrial stakeholders. This information has been collected through PPs' self-assessment documents and are reported in the following to draft a concrete capitalisation agenda.

KPT (PP1) will contribute to the discussion during the brainstorming sessions with other PPs. In particular, they are interested in creating alignments between regional and transnational perspective in order to fill in the existing gaps and exploit complimentary synergies with partners. Considering also the regional companies, consultancies and other forms of support seem necessary for the industrial technological development.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Automation and Robotics, as reported in Table 13.

Table 13: KPT benefits and current challenges in the development and implementation of A&R Common Policy Use Case

Benefits	Challenges
<p>The necessity to coordinate and align the cooperation among European Digital Innovation Hubs seems to be crucial for development of the DIHs concept. The brainstorming sessions with other partners were very helpful to listen and learn from other regional perspectives, highlighting the specific interests and finding the complimentary areas.</p> <p>KPT is a leader of Hub4industry, aspiring to be the regional European Digital Innovation Hub, so it was incredibly important to be involved in cooperation at the transnational level</p>	<p>Each partner is involved or linked to the local Digital Innovation Hub, but with different level of expertise and focus points. According to this, at the beginning it was challenging to create common platform for discussion.</p>
<p>Automation & Robotics are one of the most important areas in the region of Malopolska. A transnational collaboration will definitely strengthen the competitiveness and capacity of ecosystem.</p> <p>Furthermore, the regional stakeholders dealing with Automation and Robotics are part of Hub4industry and they will directly benefit from the development of the Common Policy Use Case. Through the project, they will be able to find their technology partners from other regions.</p>	<p>The main challenge is to find the perfectly matched financial instrument, which could support the network in the cooperation.</p> <p>However, automation and robotics is a very well-structured topic in the regional policies, so there is a sufficient institutional support and attention.</p>

The Roadmap of KPT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 12.



Figure 12 - KPT Roadmap to implement A&R Common Policy Use Case

PRO (PP2) will contribute to the network creation thanks to its own expertise on Industry4.0 topics established in 25 years of collaboration with several industrial partners. Particularly, they will promote the sharing of knowledge in the field of robotics and automation for Advanced Manufacturing concerning sensor technology and processes optimization.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Automation & Robotic solutions, as reported in Table 14.

Table 14: PRO benefits and current challenges in the development and implementation of A&R Common Policy Use Case

Benefits	Challenges
<p>The presentation of other flagships during the brainstorming sessions provided several fundamental inputs and ideas which can be used for other Projects covering CE's goals. The sharing of different approaches and applications on the same topics is fundamental in the creation of networks/collaborations and represented an added value for the organization.</p> <p>Considering its individual flagship, the development of a Common Policy Use Case gave some structural inputs which could be also used within other development groups. Furthermore, the similarities among identified technologies could be used also in other fields, promoting mutual cross-fertilization.</p>	<p>For the development of the Common Policy Use Case, together with the difficulty to organize meeting with several different partners in different countries, PPs struggled to identified similar interests/approaches to focus on.</p>



Considering the specific PRO manufacturing ecosystem, the digitalisation, including robotic and AI for IPS, is a key technology for the new paradigm of I5.0 which is a strategic field of the European Commission.

Industry 5.0 provides a vision of industry that aims beyond efficiency and productivity as the sole goals and reinforces the role and the contribution of industry to society. It places the wellbeing of the worker at the centre of the production process and uses new technologies to provide prosperity beyond jobs and growth while respecting the production limits of the planet. It complements the existing "Industry 4.0" approach by specifically putting research and innovation at the service of the transition to a sustainable, human-centric and resilient European industry. Austria, specifically Upper Austria, with its "Upervision 2030" strategy is facing this challenging and wants to reach these goals by strongly supporting the industry in their transition to I5.0. This is also shown in current open or upcoming calls for research to this transformation.

The main challenges to promote the adoption of IPS at industrial level within the local ecosystem are:

- The lack of Personal Resources
- The limited financial investments without testing/preliminary demonstrations
- The lack of Time

In order to make processes more efficient and economically sustainable for businesses, administrative and technical formalities need to be simplified as much as possible.

The Roadmap of PRO for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 13.



Figure 13 - PRO Roadmap to implement A&R Common Policy Use Case

PIA (PP3) will contribute to support the mindset towards working with Central European partners enabling cross-border collaborations. Slowly but steadily, in fact, Austria's different institutions are opening for international collaborations and still need support for the identification of calls and the research of proper partners. In particular, PIA is highly experienced when it comes to establishing relationships with stakeholders with diverging interests and its experience in that regards could be useful for onboarding the necessary groups of people and organizations for the implementation of the common flagship.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Automation & Robotics solutions, as reported in Table 15.

Table 15: IWU benefits and current challenges in the development and implementation of A&R Common Policy Use Case

Benefits	Challenges
<p>Robotics could be considered as an established technology in CE and many industrial companies use industrial robots and automation. However, there is a big difference in the various types of applications highlighted during the description of individual PP's flagships. For instance, PRO focuses on R&D regarding the hardware, while PIA on the exchange of knowledge and the sharing of hardware among different EU regions. Getting to know the different approaches and levels of knowledge within the CEUP 2030 partnership was useful to build individual flagship, collecting other experience as input.</p> <p>Furthermore, international collaboration can be very helpful when dealing with technologies, e.g. when purchasing a certain technology or when aiming at discovering the status quo in a certain field. The proposed Common Policy Use Case, as network that strengthens this kind of collaboration, represented a good opportunity in this direction.</p>	<p>The high diversity of CEUP2030 partners and their projects could hinder the identification of common areas to collaborate within.</p> <p>Furthermore, the procurement of A&R technologies can be quite expensive and needs the adequate competences within an organization. Not all individual CEUP2030 project partners have the same levels of knowledge, and that could increase efforts for partners' collaboration.</p>



The vision of Digital Innovation Hubs, connected European facilities that enable people and organizations to easily collaborate under one institution, supports Austrian stakeholders to easily collaborate with their neighbours. Considering that Robotics and Automation are already quite established technologies in Austria, they need a high level of knowledge and, very often, a significant number of financial resources to be purchased. In order to save time and money for Austrian companies, especially SMEs, it can be beneficial for them to use the resources of their neighbours, that they can potentially access through the common flagship project.

Without funding, the building of a network can be a big challenge, as no single organization is probably willing to pay for the intensive creation process, for the necessary travels etc. Therefore, it is crucial for the Common Policy Use Case to find calls for which the project can be submitted.

The exploitation of Digital Innovation Hubs represents a big opportunity for the Austrian R&D community, despite the lack of clarity on the type of funding and resources they can access through the different European nations and regions. This should be clarified for the common flagship to be implemented.

The Roadmap of PIA for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 14.

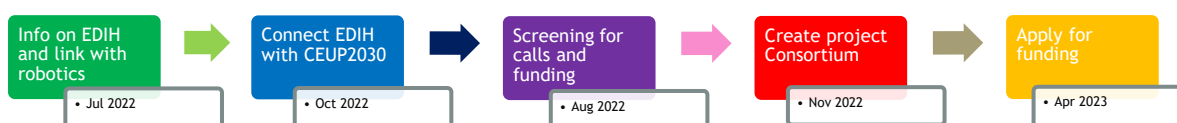


Figure 14 - PIA Roadmap to implement A&R Common Policy Use Case

KIT (PP5), being the Institute of Automation and applied Informatics, is very much aligned and active on A&R topics. Their participation in the Common Policy Use Case would create additional opportunities for project partners to further the state of the art in Automation and Robotics processes and to transfer the advances to SME and large industries. KIT is particularly interested in cyber physical systems and collaborative robotics.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Automation & Robotic solutions, as reported in Table 16.

Table 16: KIT benefits and current challenges in the development and implementation of A&R Common Policy Use Case

Benefits	Challenges
The discussion and comparison with other flagship projects highlighted the complementary to each other, and the significance is that all of them are involved in the promotion of advanced manufacturing processes and robotics and aimed at furthering the reach and penetration of these new technologies amongst SMEs as well as large enterprises. For KIT, it helped to hear everyone's feedbacks and opinions on the different topics to create the visions for the common flagship projects.	One of the difficulties faced during the brainstorming sessions is the fact that the different TIN group members are of different organisation types and focuses on different project types. Another significant difference is the various level of experience with automation and robotics amongst the PP.
The benefits for the ecosystem are the promotion of internationalisation of the organisation and the improvement of the reach and scope of the partner from the different regions. The involvement of local policy makers and SMEs from the enable ecosystem will greatly complement the development and conduction of the common policy use case. The territorial area of KIT, in fact, is a high-tech region with tremendous A&R facilities and infrastructure that will help develop and implement the use case.	The developed Common Policy Use case meets various challenges and supports several goals of the EU such as 'Just Europe', 'Green Europe' and the overall aim to become more circular and digital and to achieve digital transformation. Obvious changes that might help improve its implementation can include the conduction of events and meetings in the local language of the territorial ecosystem, not using only English. Some flexibility in this aspect will help stakeholders' involvement.

The Roadmap of KIT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 15.



Figure 15 - KIT Roadmap to implement A&R Common Policy Use Case

HAMAG (PP10) will support the creation of the network of infrastructures and knowledge transfer in the field of A&R specifically working on applications for marine robotics, manufacturing robotics and systems and robotics in microsurgery. Levering on its ecosystem, HAMAG will contribute providing new solutions in the underwater robotics and favouring the connections and collaborations with excellent local experts in the AR domain.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Automation & Robotics solutions, as reported in Table 17.

Table 17: HAMAG benefits and current challenges in the development and implementation of A&R Common Policy Use Case

Benefits	Challenges
<p>The great importance of A&R in the current and future global economy and the opportunity for CE regional SMEs to benefit from it emerged during the discussion. At the same time, it appeared clear the necessity for collaboration and for the creation of common innovative platform across the CE regions and the whole EU to exchange and complement resources. The A&R Hub will bring access to many projects results, software, consulting services and to the broad network of SMEs and all other stakeholders in the ecosystem which will open door for new projects. For HAMAG, as partner in the Croatian North regions AI digital hub, it represents a huge opportunity.</p>	<p>The available A&R infrastructure and the connected legislation framework that should support the development of the Common Policy Use Case are not fully aligned in the different PPs regions. Therefore it can be a very demanding to tailor one solution that fits all.</p>
<p>HAMAG pivotal stakeholders are Universities in Croatia and Italy having research laboratories dealing with deployment of the robots for underwater floor cleaning and its connection into the smart cities and blue economy. The A&R Hub will be a great way to expand this regional project into other EU region seas and waters as it provides limitless opportunities for clean, green and sustainable environment. Furthermore, through the networking, partners could also create new product or service and jointly expand on the new non-EU markets.</p>	<p>The major challenge for the implementation of the Common Policy Use Case is to find out the most suitable policy instrument. In Croatia, it could be connected to the implementation of the National recovery and resilience plan 2021-2026, which is focused to speed up digital transformation of the national companies and public administration. It is important to raise the interest at Policy level (ministries) to quickly establish an appropriate legal framework and obtain financial incentives for high-tech A&R projects.</p>

The Roadmap of HAMAG for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 16.

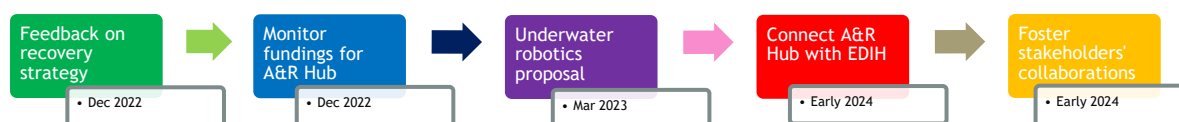


Figure 16 - HAMAG Roadmap to implement A&R Common Policy Use Case

3.3. Smart Materials

During the brainstorming sessions on the topic of SM several proposals were discussed and the commonalities in topics were identified to design a Policy Use Case aligned with common interests. The basic idea is to enhance the access to knowledge in the wide area of new materials research and achieve research capitalisation, particularly for SMEs, in the different CE countries participating in the planned endeavour. In particular, the main topics shared and identified by partners focus on smart textiles, advanced polymers and circular & sustainable materials. To achieve this knowledge boost, partners want to create a Central European community and facilitate triple or quadruple helix exchange through the **3C4MaterialsResearch “Circular Capitalisation Concept for Smart Material Research of Polymers and Textiles” project**.

The brainstorming sessions have been supported by subsidiary materials prepared by IWU as Smart Materials TIN leader, so that PPs openly discussed different proposals. Some examples are reported in Figure 17 and the output of the discussion is detailed in the following.

Possible Smart Materials Flagships

PP	Flagship?
PRO	
PIA	
KIT	X
PBN	X
HAMAG	X

Next steps?

- Meeting Summary (IWU)
Share PPT
- Plan Next Meeting (IWU)
Doodle (for Feb 2022)
- How to Continue? - Concretely
Concept description (IWU)
→ Template for common use case (IWU)
→ If there is further input, contact me by email or telephone/MS Teams. ☺
→ Draft shared: Feb 2022

Ideas for a common use case concept

Network & community building - Internationalization

- Topic ideas? Material?
 - Purpose / method: research capitalization for SMEs, access to knowledge
 - Research / thematic focus 1: smart textiles, polymers, circular economy
 - Research / thematic focus 2: 4D printing
- Funding schemes?
 - To do for all participants: screening
 - EIT, HorizonEurope

TAKING COOPERATION FORWARD

Figure 17 – Brainstorming session of SM Common Policy Use Case

3.3.1 Analysis of common features

The first step to identify a common policy use case was the analysis of individual flagships (Table 18) to group and integrate all PPs’ main interests and competences. It emerged that the *main challenges* are the need for best practise examples, a more inter-organizational and international connectedness and the wide access to expertise, technologies, and knowledge. Through the discussion among PPs during brainstorming sessions, a common identified priority was the direct involvement of SMEs that should be involved and aware of research results and knowledge. It is possible only building strong networks and communities along technical concepts as well as internationalization in the sector of new and advanced materials, such as smart textiles, polymers, and functional materials. An additional topic addressed as relevant during the discussion was 4D printing, in particular the development of suitable advanced materials to be integrated in that technology.

Table 18: PPs individual flagships on SM topics.

SM	Individual Flagships
PP1 - KPT	3DoP project
PP5 - IWU	STEPUP smart ³ project
PP6- AFIL	Strategic Community “Advanced Polymers”
PP7 - SIIT	EUAlliance
PP8 - PPT	Smart and green innovation approaches for scaling up DT opportunities in CE

Considering all these commonalities among the individual flagships, a joint strategy in smart materials should be based on the establishment of network and communities who target and work with new materials in some form depending on where is the expert area of the respective project partner. In this way, all PPs flagship projects could contribute to establish smart and new materials in the innovation and research environment of the future.

On the other side, the major difference among PPs’ individual flagships is the *interpretation and definition of a NEW and SMART materials*. Some partners highlighted the circular aspect, others focused on textiles and again others talked about functional materials which merge structure and function with reduced complexity. However, even if the exact field may be different, the methodologies and ways of fostering the uptake of new materials are similar and underline the importance of such approaches.

3.3.2 Concept development

For many companies in the CE countries and especially for SMEs, it is difficult to capitalize on the opportunities emerging from research. The exploitation of knowledge in research centres all over Europe, but also in the specific direct neighbourhood of the companies, is difficult due to the missing exchange formats to provide contact points and access to the knowledge. According to this, the SM Common Policy Use Case concept should be based on **a community approach with the active ecosystem involvement combined with formats that foster the knowledge and technology transfer between academia and industry**. In Germany, for instance, the Ministry of Education and Research just published a paper about the future and outlook of materials research and funding. In the document the outstanding importance of Hubs and their bundling of competencies was underlined. Considering this, the planned ‘international community for new and circular materials in plastics, textiles and other industries’ is paying into achieving this goal and is setting a focus on circularity and sustainability. To do that, three separated phases are necessary to develop the project:

1. Create a network and exchanging best practices
2. Elaborate concepts and formats to involve quadruple helix stakeholders effectively for sustainable long-term knowledge and technology transfer between academia, industry and society
3. Bring these concepts into reality and facilitate the creation of pilots.

Set up in this way, the Common Policy Use case will represent a benefit for all the involved stakeholders, as reported in Table 19.

Table 19: Target Groups of the SM Common Policy Use case.

Target Groups	Benefit
Large Enterprises	The generated knowledge and the established collaboration networks will contribute to promote innovation in Smart Material topics supporting industrial stakeholders in the transition towards digital manufacturing, green and circular economy, sustainability and changes in general in innovation culture.
SMEs	



<i>Higher Education Research organization</i>	Connection with industrial stakeholders for knowledge development and knowledge transfer into applications.
<i>Business Support Organization</i>	The network will strive for promoting upskilling and reskilling of the European workforce to take a leading place in the future manufacturing sectors of the world.
<i>Schools and Training Institutes</i>	Development of skills and competencies aligned to real industrial needs.

The developed Common Policy Use Case should align and meet the goals of the lately issued paper *Materials 2030 Manifesto*. Here, it is clearly stated that the development of advanced materials is fundamental for safeguarding Europe's technology leadership, reducing the environmental footprint, securing strategic autonomy, and targeting advanced innovation markets. The manifesto also calls for action to consolidate a strategic roadmap for the short term, launch an agile and inclusive governance of advanced materials at EU level and translate the consolidated roadmap into a novel European strategic agenda for a sustainable society through the next generation of advanced materials. Furthermore, the involvement of quadruple helix stakeholders and European partners like planned in the Common Policy Use Case boosts these called Manifesto actions. In addition to the Manifesto, the Common Policy Use Case meets the *goals of European Union within the programming period 2021-2027*, especially Objective 1 "a more competitive and smarter Europe" and Objective 2 "a greener, low carbon transitioning towards a net zero carbon economy".

According to this and in order to implement and capitalize the Common Policy Use Case, during the discussions a **wide range of programs and initiatives were raised as potential funding sources**. At present two main call options have been identified, namely the [2nd Joint Call of Bioeconomy In the North](#) and the [2nd Call of Interreg Central Europe 2021-2027](#) which would open most probably in 2023.

To reach these objectives, the **main existing barrier** that should be overcome through the implementation of the Common Policy Use Case is the identification of a proper international call starting in the next months, where a network-oriented project can be placed. According to the specific call requirements, the smart materials focus will be adjusted to the funding program that is to target. As output, there will be the creation of a network for knowledge exchange and bundling, able to design new formats for integration of SMEs and the involvement of third parties like students or the public.

3.3.3 Capitalisation agenda

For the implementation of Smart Materials Common Policy Use Case, each PP identified its possible role and highlighted the benefits and the challenges to be faced during the activities. This information has been collected through PPs' self-assessment documents and are reported in the following to draft a concrete capitalisation agenda.

KPT (PP1) aspires to be a comprehensive Hub supporting companies in implementation of new innovative technologies. While having a huge experience in the topic of robotic or AI, still there is a space to learn about the smart materials area, so the Common Policy Use Case represents a good chance for improvements and knowledge exchange. KPT main interest is the alignment between regional and transnational perspectives.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Smart Materials, as reported in Table 20.

Table 20: KPT benefits and current challenges in the development and implementation of SM Common Policy Use Case

Benefits	Challenges
The need to exchange know-how and knowledge between more experienced organisations and learners become crucial for the future development of smart materials technologies. In case of KPT, it was very helpful to listen and learn from other regional perspectives and provided a good starting point for future discussion with regional stakeholders who could benefit from innovation in Smart Materials topics.	PPs individual flagships are based on different level of expertise, due to the different capabilities and knowledge of involved CEUP2030 partners. However, this inhomogeneity could become a good starting point for the development of the flagship.
The Smart Materials area is still developing in Malopolska region and the stakeholders, particularly industrial companies and public authorities, still learn about this topic and how to improve it. On the other hand, the research area at universities is well developed and has great capacity. According to this, the main benefit of the Common Policy Use Case on the ecosystem will be to matchmake the researchers with practitioners. In particular, it gives a chance to grow for the research institutes and universities and also enable the manufacturing companies to raise awareness on the benefits of smart materials and the potentiality of its use.	The main obstacle for the development of the Common Policy Use Case is the identification of the perfectly matched financial instrument. The EU attention and interest on Smart Materials topics should be also supported by strategic regional documents determining a more dedicated policy support to this area.

The Roadmap of KPT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 18.



Figure 18 - KPT Roadmap to implement IPS Common Policy Use Case

IWU (PP5) is established in a region with many top centres for research in Germany, such as “excellence university” TU Dresden, 10 universities for applied science, 11 institutes and research units of the Fraunhofer society, 3 Max-Planck-Institutes and 3 Leibniz-Institutes. Furthermore, lot of producing industries are based in the Hubs of Dresden, Leipzig and Chemnitz covering different manufacturing sectors, such as automotive and machine tools. These are great preconditions for the development of the Common Policy Use Case and could actively support the matchmaking, the exchange of information and creation of exchange formats among the different stakeholders. On the other side, IWU is strongly interested to match its expertise with circular knowledge coming from other consortium partners to foster their expert areas.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Smart Materials, as reported in Table 21.

Table 21: IWU benefits and current challenges in the development and implementation of SM Common Policy Use Case

Benefits	Challenges
Even though the types of materials and the how exactly the term ‘smart’ differs, the focus on network development, cross-clustering activities and internationalisation are significant. In IWU individual flagship, in fact, internationalization and increasing of the member base of the Smart ³ smart materials network is fundamental. Through the intensified contact with partners and multipliers, like technology parks, IWU could strive to boost their contacts and reach.	For the elaboration of a common project approach a common technological background is necessary. In this case it was difficult due to the different topics the partners had in their flagships regarding materials. At the end a poll has been organized to identify the main focus on interest.



Furthermore, the focus on green and sustainable materials can be an added value acting as input for regional activities and initiatives also on this topic.	
<p>The development of Common Policy Use Case is beneficial for IWU ecosystem because increases the chances of new partnerships and research cooperation on topics which are relevant in the High-Tech Strategy 2025 of Germany and were mentioned in the ‘materials 2030 manifesto’.</p> <p>Furthermore, it can bring benefit to the smart material network Smart³ involved in CEUP2030 activities and can boost their connections and their thematic focus. An example is represented by University of Applied Science HTW Dresden that do experiment with new materials like plastics and bio-based materials and with sustainability.</p>	<p>The main challenges faced in the ecosystems are the clear understanding and alignments on “new materials” definition, the support of sustainability and circular economy topics in the region and the strengthening of Central European partnerships.</p> <p>This last issue is connected to the fact that some of the regional/local firms are a little reserved when having to speak in English or are based in remote geographic areas where internet connection is unstable. The general topic of infrastructure improvement would help the involvement of such companies in a highly digital world.</p>

The Roadmap of IWU for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 19.

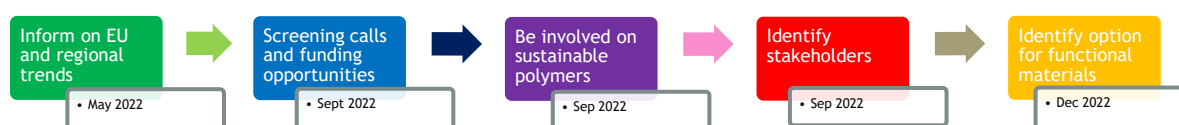


Figure 19 - IWU Roadmap to implement SM Common Policy Use Case

AFIL (PP6) represents Lombardy that is a leading European region in the production of plastic components and materials, of advanced composite for automotive, nautical, and aerospace sectors and of technologies for the manufacturing and transformation of polymeric materials. At the same time, Lombardy is the first European region for employees in manufacturing textiles, representing 40% of the national income on textile. This strong and motivated ecosystem could contribute and boost the development of innovative solutions, acting as demonstrator at industrial level of a more sustainable and efficient production of plastic and smart components. Lombardy can contribute both at research level thanks to the active RTOs working on the topic and at industrial level, through the sharing of best practices and the technology transfer at industrial scale of developed new materials and solutions. According to this, the main areas of interest are textile recycling (eco-design, new business models, certifications and legislation (EPR), recycling and sorting technologies, sustainable products and processes, and digital solutions) and advanced polymers (polymeric materials and bio-based composites, smart materials for reusable, re-processable and recyclable products, production technologies and components with integrated electronics).

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Smart Material, as reported in Table 22.

Table 22: AFIL benefits and current challenges in the development and implementation of SM Common Policy Use Case

Benefits	Challenges
Partners' flagship projects represent an opportunity to share and know other regional capabilities and expertise, that then have been compared with Lombardy to promote possible collaborations and synergies. IWU and KPT, for example, have technological flagships to develop innovative technologies for sensor-embedded components or biodegradable polymers. In AFIL these topics have been addressed as relevant and could represent an interesting contact point with other regions. It was a significant stimulus for the Community to map Lombardy expertise, competencies and addressed challenges.	The main difficulty met during the Common Policy Use Case meetings was the identification of a proper call. The initial idea and the topics to be addressed have been defined at the beginning, after a first alignment step on partners' interests and on the common and shared definition of “new” materials. The details in terms of methodologies to be applied, type of involvement and specific role of different partners, instead, could be set according to the specific call requirements. This activity will be performed in the

<p>Furthermore, AFIL became aware of available funding opportunities that have been shared with regional stakeholders in order to understand if they could be exploited.</p> <p>The Common Policy Use-cases is also addressed to textile materials and Circular Economy, that represent well-known topics in AFIL Communities. The exchange of experiences and expertise as well as the direct involvement of SMEs in the different CE countries allow to boost AFIL activities on these topics and to favour the creation of a strong network of collaborating regions and stakeholders.</p>	<p>incoming months, once identify the better funding opportunity available for the topic.</p>
<p>The Common Policy Use Case strongly benefit AFIL ecosystem because allows to positioning regional expertise and capabilities at European level. RTOs and enterprises dealing with this topic could being aware of regional trends and priorities, promote synergies and identify better their smart specialization.</p> <p>The Common Policy Use Case is connected to strong specialization areas of Lombardy region, namely plastic components, textile materials and Circular Economy. In this framework, the sharing of best-practices and the creation of a network able to cover the whole value-chain have a strong added-value for Lombardy actors and represent a significant opportunity to exploit synergies, promote collaborative initiatives and increase the awareness of the topic, particularly for SMEs, with a consequent increase of industrial innovation, technology transfer and regional competitiveness.</p>	<p>The main challenge for the implementation of the Common Policy Use Case is the involvement of SMEs and industrial stakeholders in the activities. There is a strong interest in smart and circular materials at academia and research level, but the industrial technology transfer seems to be still limited. The idea to share knowledge and best practices among participating countries is fundamental to show the practical benefits of the development and implementation of smart and sustainable polymers and textiles in industrial environments.</p> <p>To boost and enable the Common Policy Use-Case, it is necessary to create a stable and active network of stakeholders to collect current industrial needs, challenges, and barriers. Then, they should be transferred to regional institutions to promote the development of policy tools able to support the development and industrial implementation.</p>

The Roadmap of AFIL for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 20.



Figure 20 - AFIL Roadmap to implement SM Common Policy Use Case

SIIT (PP7), as representative of Liguria region, has a very strong network of SMEs that could be involved and support the technical aspects of the use case. In particular, they showed an interest in bringing the European technologies to third countries' markets.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Smart Materials, as reported in Table 23.

Table 23: SIIT benefits and current challenges in the development and implementation of SM Common Policy Use Case

Benefits	Challenges
<p>The sharing of best practices and information on PPs individual flagships are beneficial and gives the opportunity to better detail areas not so strongly considered in the regional ecosystem. SIIT, in fact, is mainly familiar with the Smart textile topics.</p> <p>Concerning SIIT individual flagship, the discussion within CEUP2030 partnership allows to obtain international feedback on the ongoing activities as well as become aware of the different backgrounds and frameworks existing in other regions.</p>	<p>The main challenge during the brainstorming session was to reach a common understanding and focus on Smart Materials area, since all the projects had wide objectives.</p>



The Common Policy Use Case represents the opportunity to improve, enlarge and strengthen the regional network of stakeholders dealing with Smart Materials topics.

It is necessary to strengthen the variety of service portfolio, in order to satisfy the different needs coming from industrial stakeholders. Furthermore, it is essential to represent all the triple and quadruple helix actors in the Common Policy Use Case and, in general, in the activities to ensure their effective adoption and implementation. This practically means to involve regional institutions, highlighting the benefits coming from research and innovation in Smart Materials areas.

The Roadmap of SIIT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 21.

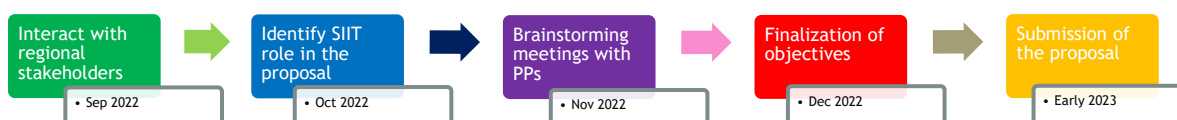


Figure 21 - SIIT Roadmap to implement SM Common Policy Use Case

PTP (PP8) has a very strong network of stakeholders and SMEs that can support the technical aspects of the Common Policy Use Case. They are particularly interested in the industrial transformation and further economic and social development in the field of new materials, that require improvements in the research, development and innovation ecosystem and the provision of coordinated, stable and integrated investments in research, development and innovation, digital transformation, competitiveness of small and medium enterprises and smart specialization skills. The transfer of knowledge from researchers to companies and the development of start-ups that use new and smart materials by developing their business model is fundamental and should be directly connected to circular economy approaches. PTP will work in this direction, connecting and scanning existing companies and start-ups dealing with new materials with larger companies.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of Smart Materials, as reported in Table 24.

Table 24: PTP benefits and current challenges in the development and implementation of SM Common Policy Use Case

Benefits	Challenges
<p>New materials play an important role in improving the quality of life. They enable technological progress in all areas of society, in industry and the domestic living environment, in transport, food, healthcare and information processing. The development of new materials also enables the use and exploitation of harmless, ecological and renewable resources and thus represents the basis for the sustainable development of the entire society. Through the brainstorming sessions an insight into the needs, the main actors and the available solutions implemented in remote environments has been provided.</p> <p>From PTP perspective, this action is perfectly aligned to the programming period 2021-2027 and the new Smart Specialization Strategy in Slovenia that set the goal of a green transition and thus focused its sustainable character (hence the abbreviation S5 - Slovenian Sustainable Smart Specialization Strategy).</p>	<p>The main challenge was related to the different focus areas addressed by partners in their individual flagships. However, this could also represent an opportunity to enlarge the focus and stimulate other PPs on new areas of interest.</p>



To improve regional ecosystems innovation capacities supporting the transition to circular business models in manufacturing, customized innovation models should be introduced, creating new regional and transnational value chains, favouring stakeholders' networking, increasing knowledge and user acceptance, and transferring piloted programs and tools to RIS3 authorities.

The developed Common Policy Use Case, addressing all these challenges, will support this industrial transition.

Industrially, modern materials are among the industries with extremely high added value with a high cost of production. This issue is often supported by the lack of knowledge transfer between research institutions and companies, and companies themselves. Therefore, it is necessary to have a very good and trustworthy network of stakeholders able to collaborate and identify innovative and sustainable business models, as well as exploit alternative financing models for the production and for the use of new materials.

At higher level, end-users' acceptance and awareness of the benefits of new materials is required.

The Roadmap of PTP for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 22.

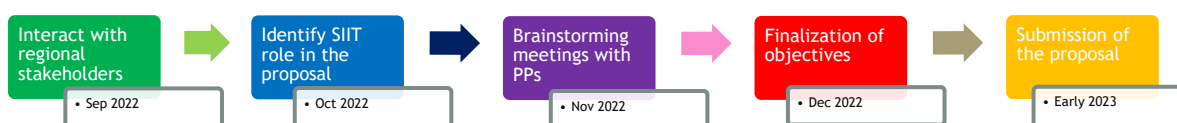


Figure 22 - PTP Roadmap to implement SM Common Policy Use Case

3.4. Artificial Intelligence

PPs involved in brainstorming identified as Common Policy Use Case a project focused on the increase of awareness related to the benefits of AI in Advanced Manufacturing, namely **TrAln2adma “Interregional collaborative training for social, industrial and political awareness of AI-related benefits within Advanced Manufacturing”**. The proposal could also address other significant topics linked to advanced manufacturing, such as digitalization and green transition. The idea is to promote interregional collaborations towards the acceptance and the sharing of knowledge of innovative and AI-based technologies with a cross-sectorial approach, promoting cross-fertilization among different manufacturing sectors. The awareness will be stimulated and increased at different levels: i) social and cultural in terms of acceptance and education to advanced manufacturing, ii) industrial in terms of operators’ development of skills and SME approaching to research and innovation mind-set, and iii) political in order to fill the mismatch among industrial needs and supporting policy tools.

The brainstorming sessions have been supported by subsidiary materials prepared by AFIL as Artificial Intelligence TIN leader, so that PPs openly discussed different proposals. Some examples are reported in Figure 23 and the output of the discussion is detailed in the following.

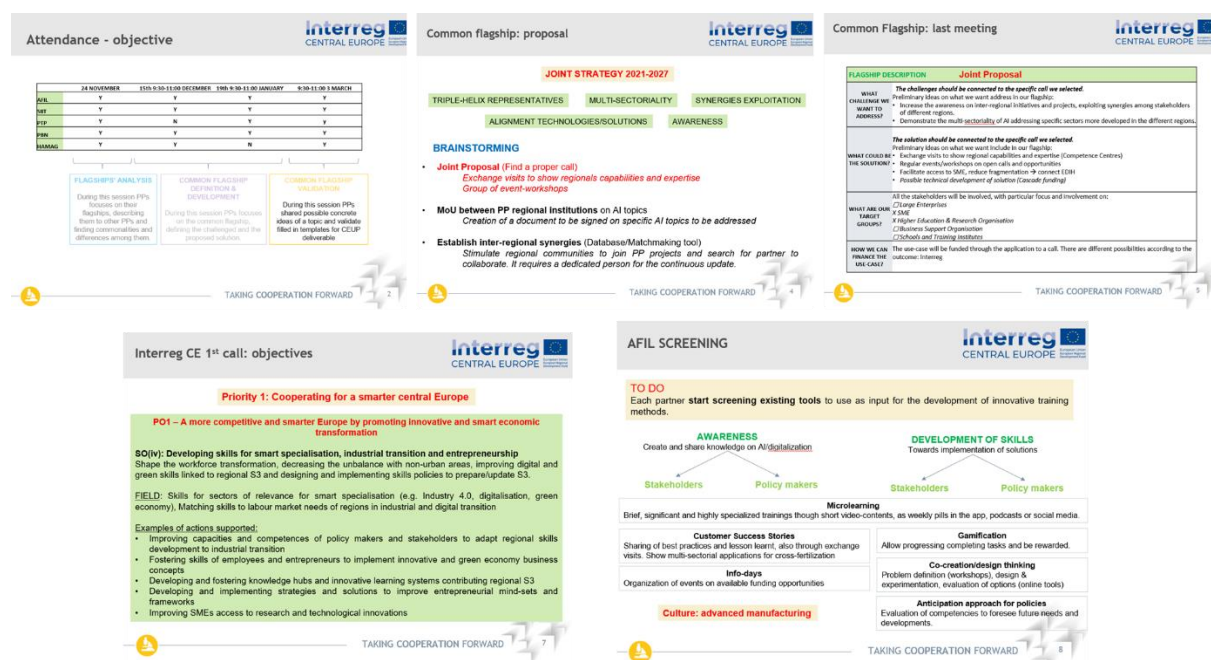


Figure 23 – Brainstorming session of AI Common Policy Use Case

3.4.1 Analysis of common features

The first step to identify a common policy use case was the analysis of individual flagships (Table 25) to highlight PPs’ main interests and competences. In particular, the AI individual flagships are aimed at increasing the awareness of industrial and policy stakeholders on the benefits and potentialities of AI-driven solutions, offering technological spaces where test innovative technologies (i.e., development of smart senior room and one-stop-shop centre) or through the promotion of a fruitful discussion among the key players (i.e., creation of a forum and creation of a strategic document). Another important challenge addressed by all the flagships was the need of an alignment between the development of innovative

technologies and the available/future policy tools and opportunities. In case of technological development, PPs also offer the consultancy on funding opportunities and promote the creation of collaborations and networks involving industrial end-users and tech providers. In other cases, policy makers are directly addressed and involved (e.g., in the development of the Roadmap) to concretely support actions and activities in AI topics.

Table 25: PPs individual flagships on AI topics.

AI	Individual Flagships
PP6 - AFIL	AI ROADMAP
PP7 - SIIT	FORGING project
PP8 - PTP	National Demo-Center initiative for advanced technologies in Agrofood processing industry
PP9 - PBN	Establishment and development of a smart senior room
PP10- HAMAG	CROBOHUB++: CROatian Industry and Society Boosting -European Digital Innovation HUB

Different sectors have been addressed and all flagships do not exclude the implementation of innovative AI-driven solutions for applications different from the initial ones. In case of technological spaces for testing, for example, the activities could start from a specific sector (e.g., the smart senior room dealing with health care), but could then be adjusted and expanded to Advanced Manufacturing sectors and topics. This demonstrates the **transversality and the interdisciplinarity of AI-driven solutions** in each flagship.

For the development of all flagships, PPs involved triple-helix representatives to give concreteness to the specific actions and activities to be developed. The commitment of both industrial and academic stakeholders is needed to bring innovation in real industrial applicative use-cases, while policy makers could collect the current barriers and develop supporting tools within the future strategic programs. The exploitation of synergies and possible collaborations with existing activities on AI topics is also promoted, trying to reunite regional significant stakeholders in one single Hub/innovation space or organizing a series of consultations, workshops, and meeting to discuss on the topic. Considering the nature of CEUP2030 Consortium where partners are associations and regional clusters, the raise of awareness is one of the key aspects to be considered when defining a Joint Strategy. It could represent the main challenge to be addressed in an interregional perspective, promoting and supporting the collaborations and the sharing of results and best practices within the participating regions.

However, some major differences among individual flagships have been identified:

- **ADDRESSED CHALLENGES & SOLUTIONS**

Some flagships are targeted not only to the development and implementation of innovative AI solutions, but also to other relevant and emerging CAMI4.0 topics. For example, SIIT flagship focuses also on sustainability and green transition, while HAMAG and PBN also include robotics topics in their technological Hub/centre. Furthermore, as already mentioned, flagships are different in terms of perspective, in some cases they are technology-driven, in other are policy-driven. Accordingly, also the developed solutions are different: the development of a strategic documents, the set-up of a testing and innovation facility or the provision of specific AI-based services.

- **ADDRESSED SECTORS**



Even if all flagships could be referred to Advanced Manufacturing and could demonstrate the transversality of AI-based solutions, some PPs focused on specific applicative domains, such as the health care (PBN) or the agricultural sector (PTP).

- **USED METHODOLOGY**

Two different methodologies have been used in individual flagships: a bottom-up approach starting to the existing and innovative technologies to derive limitations and barriers or a top-down approach, starting from stakeholders' needs and trying to found AI-driven solutions.

The identified differences do not represent an obstacle but could bring an added value to the brainstorming phase for the definition of the common AI flagship. In particular, the expansion to other topics (e.g., sustainability and robotics) could strongly increase the overall impact of the Common Policy Use Case, demonstrating how AI could be adapted to different industrial ecosystems. Furthermore, the combination of the top-down and bottom-up approaches could be beneficial, allowing the analysis of different perspectives and the identification of a higher number of needs, barriers, and potential solutions.

3.4.2 Concept development

The main challenge emerged is related to the **lack of awareness** of the involved stakeholders. Particularly on AI topics, the industrial players are not aware of the benefits that they could reach through the development and implementation of AI-driven solutions within manufacturing processes. Furthermore, the exploitation of synergies and the strengthening of collaborative approaches among different regions reduce the development times and promote cross-fertilizations. On the other hand, a mismatch is also present between the industrial players and policy makers. Also in this case, a lack of awareness on the current barriers, industrial trends and needs is essential to promote the development and adoption of strategies coherent with regional smart specialization.

Considering this issue, the Common Policy Use Case should support the development of interregional collaborations to show best practices and to foster synergies among interested stakeholders. This could be concretely implemented as the organization of exchange visits where stakeholders show regional capabilities and expertise (e.g. Competence Centre, DIH, etc.), the setup of collaborative events and workshops on available open calls and opportunities, and the reduction of fragmentation promoting the exploitation of synergies (e.g. connection of EDIH and ongoing initiatives). The development of skills connected to policies, instead, could be based on the collaborative definition, experimentation, and validation of innovative policy tools and the analysis of current and future trends and challenges to foresee possible supporting tools.

One of the key aspects is the involvement of triple-helix stakeholders, even if the final outcomes could be specifically addressed to SMEs or policy makers. The Common Policy Use Case will represent a benefit for all the involved stakeholders, as reported in Table 26.

Table 26: Target Groups of the AI Common Policy Use case.

Target Groups	Benefit
<i>SMEs</i>	The awareness is needed at different levels: for industrial management to make their own businesses more resilient, reactive, and competitive, at operative level to train the employees promoting confidence and ensuring the required technical skills.
<i>Higher Education Research organization</i>	Connection with industrial stakeholders for knowledge development and knowledge transfer into applications.



*Schools and Training
Institutes*

Development of skills and competencies aligned to real industrial needs.

This Common Policy Use Case could represent a significant achievement for Central European Advanced Manufacturing, because it stimulates all the relevant stakeholders towards progress, innovation and competitiveness, and promotes the dialogue with citizens and policy makers to address priorities and future developments in the future strategic policies and programs. It is also aligned to *EU cohesion policy objectives supporting growth for the period 2021-2027*. Among them, the Common Policy Use Case contributes to “A more competitive and smarter Europe”, through the definition of current barriers and needs for the implementation of AI-driven solutions in Advanced Manufacturing. Furthermore, being AI an enabling technology possibly applicable to many sectors and with different objectives, it could also contribute to other objectives of EU cohesion policy.

During the brainstorming meetings **different funding resources** (e.g. Interreg Europe) have been discussed. According to the focus given by the participating PPs, Interreg Central Europe program has been identified for a potential application. The consortium will set up a proposal for the second call, forecast in early 2023, based on the development of highly innovative pioneer projects. They should test concrete solutions through pilot actions on a small scale or focus on new approaches to integrated territorial development. The second case appears suitable for CEUP2030 flagship proposal, aimed at improving multi-level governance processes by better integrating policy sectors and better involving citizens. The PPs identified as interesting the Priority 1 “Cooperating for a smarter central Europe” and the Program Objective 1 “A more competitive and smarter Europe by promoting innovative and smart economic transformation”. In particular, SO(iv): Developing skills for smart specialisation, industrial transition and entrepreneurship, aimed at shaping the workforce transformation, improving digital and green skills linked to regional S3 and designing and implementing skills policies to prepare/update S3.

To reach these objectives, the **main existing barriers** that should be overcome through the implementation of the Common Policy Use Case are:

- cultural gap that associates a negative connotation to the work in manufacturing industries and present a gender issue. It could be overcome through a promoting a cultural change based on awareness
- the industrial gap among the solutions proposed by technology suppliers and the diffidence of SMEs that cannot understand the potential benefits. This could be overcome promoting an open mindset and innovation within industrial enterprises to show the potentialities of AI-related solutions
- the gap given by the lack of knowledge of policy makers who are missing tools to understand the topic and to support actions through specific and well-centred policies and funding programs.

In conclusion, to promote the alignment of policy tools and to achieve Central Europe goals the main recommendation is to promote collaborations among different regions and different nations. The local ecosystems and specializations, in fact, could become an added value for Central Europe if properly capitalized. The comparison and the sharing of knowledge through the organization of joint events and initiatives will allow to increase mutual knowledge and to easily face challenges and barriers. Another recommendation is to promote cross-sectoriality and cross-fertilization of solutions and applications to support the diffusion of a proper culture and the development of these innovative technologies, such as AI, starting from existing best practices.



3.4.3 Capitalisation agenda

For the implementation of the AI Common Policy Use Case, each PP identified its possible role and highlighted the benefits and the challenges to be faced during the activities. This information has been collected through PPs' self-assessment documents and are reported in the following to draft a concrete capitalisation agenda.

AFIL (PP6) represents Lombardy Region that has lots of expertise and capabilities on AI topics, so it could act as leader actively sharing best practices and current initiatives to promote the development and adoption of AI-driven solutions also in less-developed countries. On the other end, innovative training systems and awareness creation tools developed within the Common Policy Use Case will be applied to reach the highest number of SMEs, increasing their competitiveness and resilience. Considering that Artificial Intelligence is a tool that could be applied to different manufacturing sectors and different applications, AFIL identified as most interesting topics and priorities 5G, cybersecurity, predictive maintenance, zero-defect manufacturing, blockchain and augmented and virtual reality topics.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of AI, as reported in Table 27.

Table 27: AFIL benefits and current challenges in the development and implementation of AI Common Policy Use Case

Benefits	Challenges
<p>All other flagships on AI are interesting, also due to their differences in the adopted approach. Their discussion and comparison allow to act as input for the Common Policy Use Case and represent a value added for the development of future collaborative projects.</p> <p>Furthermore, during the meetings different points of view on current regional needs have been collected and discussed. This allows to enrich Lombardy analysis through the consideration of different perspectives. In AFIL individual flagship, namely the AI Roadmap, there is a first chapter on EU initiatives on the topic. The discussion on other flagships and on challenges faced by other PPs strengthen the alignment with other EU initiatives and activities, making clear the positioning of Lombardy within the EU framework.</p> <p>For AFIL, the involvement in the Common Policy Use case represents the opportunity to exchange regional best practices at EU level, to monitor other initiatives and to promote collaborations and synergies. Lombardy Region has lots of initiatives and key players dealing with AI, therefore policy tools able to increase the awareness on the topic, to promote the development of innovative solutions and to foster networking and cooperation among different actors in different European region is valuable and significant.</p>	<p>The working group was collaborative and proactive. All the meetings have been prepared in advanced by TIN leader to promote a fruitful and effective discussion. For the definition of a Common Policy Use Case, the main difficulties were the identification of innovative approaches to be applied and the definition of the most suitable funding opportunity.</p>
<p>The Policy Use Case represent a benefit for the stakeholders of AFIL ecosystem because it strengthens and enlarges the collaboration with other Central Europe regions, promoting the submission of joint proposals. Furthermore, the sharing of best practices and of innovative AI solutions applied in different manufacturing sectors promote cross-fertilization and awareness of AI benefits in industrial environments.</p> <p>This Common Policy Use Case could increase the competitiveness of Lombardy Region in Advanced manufacturing, because it stimulates all the relevant stakeholders towards progress, innovation and competitiveness, and promotes the dialogue with citizens and policy makers to addressed priorities and future</p>	<p>The major challenge is to well integrate all partners' expertise and capabilities, to involve the most relevant actors and to share the results with all the actors potentially interested by the topic.</p> <p>The Common Policy Use Case could be implemented easily in Lombardy Region: AI is recognized as a regional priority and it is fully aligned with S3 strategy, so that Lombardy Region will endorse the initiative without difficulties.</p>

developments in the future strategic policies and programs. The sharing of industrial best practices will highlight the possibility of cross-fertilization of AI in different manufacturing sectors, stimulating the development of new solutions in regional priority manufacturing areas. Similarly, the sharing of policy best practices will stimulate the introduction of new policy tools supporting regional stakeholders to face current challenges on the topic. The interregional visibility and exchange will allow a cultural growth.

The Roadmap of AFIL for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 24.



Figure 24 - AFIL Roadmap to implement AI Common Policy Use Case

SIIT (PP7) represents Liguria that has a very strong network of SMEs that will be involved and that can support the technical aspects of AI Common Policy Use Case. They are particularly interested in new and cutting-edge technologies and their impact.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of AI, as reported in Table 28.

Table 28: SIIT benefits and current challenges in the development and implementation of AI Common Policy Use Case

Benefits	Challenges
<p>The common interest emerged during the brainstorming sessions towards the increase of awareness for industrial and policy stakeholders on the benefits and potentialities of AI-driven solutions is aligned with the activities of SIIT.</p> <p>The detailed discussion with other experts and the explanation of SIIT individual flagship helped in fine tuning the ongoing activities. SIIT, in fact, is quite new in working on the topic of AI and the additional expertise increase awareness and knowledge transfer.</p>	<p>The different projects have very different aims and stages of actuation, so it was complicated to find a common ground for the Policy Use Case development.</p>
<p>The regional ecosystem will benefit from the direct involvement in the Common Policy Use Case, giving to the different stakeholders the opportunity to improve their competences and broadening horizons.</p>	<p>To capitalize the Common Policy Use Case in SIIT ecosystem additional training needed, to promote the sharing and transfer of knowledge, particularly for industrial stakeholders. Furthermore, regional and national connections and collaborations are required to exploit synergies and promoting mutual growth.</p>

The Roadmap of SIIT for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 25.

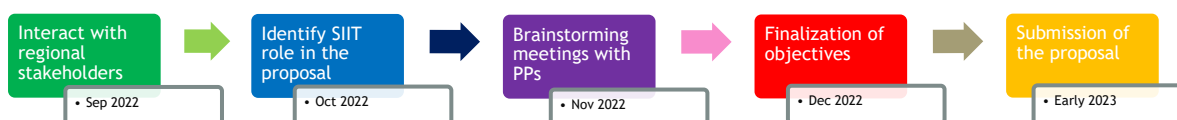


Figure 25 - SIIT Roadmap to implement AI Common Policy Use Case

PTP (PP8) is aligned to Slovenian Smart Specialization Strategy that has been renewed from S4 to S5. It provides development investments on areas where Slovenia has a critical mass of knowledge, capacities and competencies and on those where it has the innovation potential for positioning in global markets. The updated strategy until 2030 focuses not only on increasing competitiveness by strengthening the innovation capacity of the economy,

diversifying existing industry and service activities, and growing new and fast-growing industries or companies, but also on the sustainability aspects. Artificial Intelligence, of course, is part of the strategy under the focus area of the factory of the future. According to this, PTP main interests are AI applied to agri-food and manufactory area, as well as to circular economy.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of AI, as reported in Table 29.

Table 29: PTP benefits and current challenges in the development and implementation of AI Common Policy Use Case

Benefits	Challenges
Artificial intelligence can be used in all segments of our society, and nowadays there are many different views related to different cultural and economic settings regarding AI-based solutions development and implementation. PTP is active in implementing solutions from the field of Industry 4.0 in the environment. Nevertheless, the brainstorming sessions indirectly influenced the development of the individual flagship. Above all, the transfer of knowledge and experiences from the international environment and the transfer to PTP region and country gives decision-makers the opportunity to further develop industry topics 4.0.	The main challenge is represented by the different approaches reserved to AI. Policies and institutions are trying to find solutions based on security, while industrial players are looking for solutions to increase competitiveness and profitability. The cooperation of politics and business actors is the most important topic to be addressed in the Common Policy Use Case.
In the implementation of measures to promote the development of knowledge and skills, a new system tool will be of key importance - the Platform for predicting competencies, which has in the field of human resources development or investing in knowledge and competences the practical role of key enabling technology. According to this, all PTP stakeholders could benefit from the Common Policy Use Case either as a direct PP or indirect beneficiary as e.g., knowledge supplier/receiver/facilitator.	There is a need for faster transfer of competencies and good practices from pilot and demo-centres to the education system and to strengthen investments in basic research equipment. The core sets of actions should focus on strengthening skills for smart specialization, industrial transition and entrepreneurship and supporting innovation for businesses and other stakeholders in the economy. For example, the preparation and implementation of flexible study programs for graduate training in S5 areas should be supported to quickly close the gap between the acquired knowledge of the graduate and the expectations of the employer and longer-term effects by updating full-time study programs. Knowledge and skills should also be strengthened for all system providers of smart specialization, both at the stakeholder level (SRIP, social partners, etc.) and at the institutional (ministries, services, agencies, etc.) level.

The Roadmap of PTP for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 26.



Figure 26 - PTP Roadmap to implement AI Common Policy Use Case

PBN (PP9) is aligned to the approved and signed SZOMBATHELY2030 Strategy that also focuses on Artificial Intelligence in the region. In particular, PBN is interested on the implementation of AI solutions in health sector.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of AI, as reported in Table 30.

Table 30: PBN benefits and current challenges in the development and implementation of AI Common Policy Use Case

Benefits	Challenges
<p>From PBN side was interesting and beneficial the common interest towards increasing the awareness of industrial and policy stakeholders on the benefits and potentialities of AI-driven solutions. The fact that different sectors have been addressed and all flagships do not exclude the implementation of innovative AI-driven solutions for applications different from the initial ones represent an added value.</p> <p>The meetings in the working group -four times- were fruitful, since the ideas and experiences could be exchanged, which contributed to improve the individual flagships. Moreover, in the 4th meeting different EU programs and priorities (Interreg CE, Interreg Europe) were raised which also facilitate the implementation of the individual flagships as well as the common flagships.</p> <p>Due to the involvement in the working group PBN could receive new inspiration in the field of AI applications in different areas. In the upcoming calls (e.g. CE project) PPs might cooperate and submit new projects with the working group members, being aware of different expertise and capabilities.</p>	<p>Flagships are different in terms of perspective, in some cases they are technology-driven, in other are policy-driven. Accordingly, also the developed solutions are different: the development of a strategic documents, the set-up of a testing and innovation facility or the provision of specific AI-based services. The level of implementation of the individual flagship projects is also diverse at the PPs.</p>
<p>PBN ecosystem represented by university players (Eötvös Loránd University, University of Pécs, Óbuda University), local municipality (City of Szombathely) and BSOs (Chamber of Commerce of Vas County, Institute for Transport Sciences, PBN) signed the letter of commitment of the local strategy called SZOMBATHELY2030. Considering that the main aim of the strategy is to contribute to the improvement of the standard of living in Szombathely and its region by focusing on education and promoting industrial transformation and specializing on complex rehabilitation within the health industry, there is a strong interest on AI solutions.</p> <p>According to this, all stakeholders could benefit from the Common Policy Use Case either as a direct PP or indirect beneficiary as knowledge supplier/receiver/facilitator.</p>	<p>The main challenge at this stage is to find the most appropriate call where the project idea can be submitted. Besides, the establishment of the competent and experienced project consortium is also crucial in order our project idea shall be approved.</p>

The Roadmap of PBN for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 27.

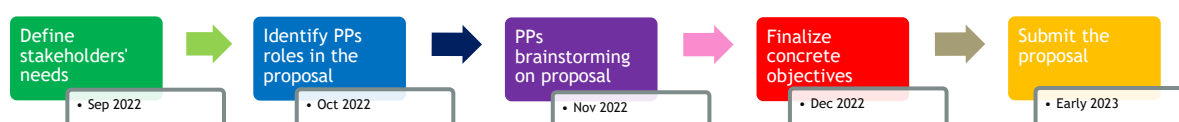


Figure 27 - PBN Roadmap to implement AI Common Policy Use Case

HAMAG (PP10) will contribute to the Common Policy Use Case development mainly through the exchange of best practices and through the regional Roadmapping. In particular, HAMAG is interested on the implementation of AI solutions in health sector.

Through their participation to the Common Policy Use Case, the organization and its stakeholders will benefit and will be able to face current challenges towards the development and adoption of AI, as reported in Table 31.

Table 31: HAMAG benefits and current challenges in the development and implementation of AI Common Policy Use Case

Benefits	Challenges
<p>The comparison among the different individual flagships was fruitful because highlighted different areas and ways of AI application. Also, the fact that AI is getting more and more important in national, EU and global economies and people are more aware of its benefits and impact is significant, also</p>	<p>Considering the differences among individual flagships, some technology- and others policy-driven, it was important to define specific core business and stakeholder role within the Common Policy Use Case. In</p>



<p>considering the other side of AI, connected to privacy disruption and unethical usage.</p> <p>The exchange of ideas, information and experiences represented the biggest pros of the meetings, giving also the opportunity to expand potential CE / regional network for HAMAG individual flagship. This will represent a first step for future cooperation with current partners.</p>	<p>fact, it was difficult to come up with a solution which equally fits to all PP.</p>
<p>University of Zagreb, Faculty of Electrical Engineering and Computing as a project manager of the EDIH, and Chamber of Economy as one of the leading partners, have received around 80 letters of support from SMEs, public administration bodies and other DIHs. All stakeholders have underlined importance of digital transformation of the companies and public administration as well as of importance of strengthen capacities and application of green technologies. According to this, all stakeholders can benefit from the policy use case either as a direct PP or indirect beneficiary as knowledge supplier/receiver/facilitator.</p> <p>Furthermore, in Croatia the biggest challenge is still knowledge transfer from universities to companies. The Common Policy Use Case will help to consolidate and enlarge the network, as well as to overcome this challenge, as it will incorporate all needed information such as key players, financial instruments, policies etc.</p>	<p>The major challenges for the implementation of the Common Policy Use Case are to make up well balanced project consortia and to find out the most suitable policy instrument.</p> <p>The support of institutions is fundamental, as the implementation of the National recovery and resilience plan of Croatia in 2021-2026, aimed at supporting and speeding up of the digital transformation of companies and public administration.</p>

The Roadmap of HAMAG for the implementation of the Common Policy Use Case according to identified objectives and steps is reported in Figure 28.

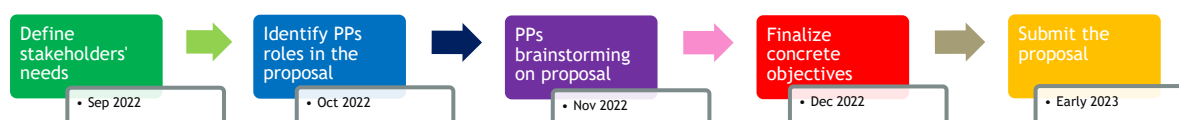


Figure 28 - HAMAG Roadmap to implement AI Common Policy Use Case

4. Letters of support

Letters of Commitment, of Intent and of Support are an effective outcome of the project, which can be used to create a clear statement of intent to support and follow the future development of the Partner's next strategic steps in a project. With the difficulty the Partners have faced during COVID-19, to tangibly engage stakeholders outside of virtual meetings, this is a "new" project step which allows us to clearly evidence the stakeholder pool we are working with to deliver PPs future vision.

In this project, the signed letters will be collected to demonstrate support of the full Policy Implementation Framework (D.T3.3.2 - The Cooperation and Capitalisation Grid of the 20 Flagship projects, and D.T3.3.3. the Strategy and Capitalisation Agenda, of the common policy use case and capitalisation roadmap). These letters are specifically addressed to promote the growth of advanced manufacturing and industry 4.0 in Central Europe and demonstrate the Stakeholder's support of the full CEUP 2030 Strategy (or a sub-element, such as a specific Flagship project). The signed stakeholders could be the Associated, the people involved during the Impact controlling interviews or people who already helped PPs building and developed the flagship projects.

CEUP2030 objective was to engage with 30 Regions (the 10 from the PPs, and 20 more via their common policy use cases) and in the Table 32 and Figure 29 it is possible to see a sum up of the collected letters, reported in Annex 6.2

Table 32: List of collected Letters of Support on CEUP2030 CAMI4.0 topics.

Organization	Type of Support	Region	
MADE Competence Center I4.0	The coordinators of European Digital Innovation Hub candidates express the interest on behalf of EDIH candidate consortium to cooperate within the network EDIH Manufacturing Network (EDIH4Manu) in the framework of the Initial Network of Digital Innovation Hubs call.	Lombardy, Italy	CEUP2030
Flanders Make		Flanders, Belgium	External
Stichting EDIH ZNL		South Netherland	External
CEA		Île de France, France	External
Polymeris		Auvergne Rhone Alpes, Bourgogne Franche Comté, Centre Val de Loire, France	External
ACCIÓ - Agència per la Competitivitat de l'Empresa		Catalonia, Spain	External
Innovalia Association		Canary Islands, Spain	External
PRODUTECH Associação para as Tecnologias de Produção Sustentável		Portugal	External
SMACT Competence Center		Veneto, Italy	External
CIM4.0 Competence Center		Piedmont, Italy	External
Laboratory for Manufacturing System & Automation (LMS)	The voluntary cooperation is set to lead European manufacturing industry digital and sustainable transformation to support of the use digital capacities under Digital Europe Programme specific objectives (i.e. High Performance Computing, Artificial Intelligence, Cybersecurity, Advanced Digital Skills, Accelerating the best use of technologies).	Patras, Greece	External
Tamlink Ltd.		Finland	External
Business Hub Northern Denmark		North Denmark	External
Mälardalen University		Stockholm, West Sweden, East Middle Sweden, Sweden	External
RWTH Aachen University		Rheinland, Germany	External
Technical University of Kosice		East Slovakia, Slovakia	External
Zentrum für Digitalisierung Landkreis Böblingen ZD.BB GmbH		Baden Württemberg, Germany	External
Bayern Innovativ GmbH		North and Southwest Bavaria, Germany	External
Krakowski Park Technologiczny sp. z o.o.		Poland	CEUP2030
VSB Technical University of Ostrava		Moravian-Silesian Region, Czech Republic	External
SPRI Agencia Vasca de Desarrollo Empresarial		Basque Country, Spain	External
ARR - Agentura regionálního rozvoje, spol. sr.o		Northeast Bohemia, Czech Republic	External



Ceaga-Fundación Cluster de la Automoción de Galicia		Galicia, Spain	External
AGORIA		Walloon, Belgium	External
Digital Success Nonprofit Ltd.		Hungary	External
INTEMAC Solutions, s. r. o.	Collaboration and cooperation to improve the role of drivers of Industry 4.0	Czech Republic	External
Katowicka Specjalna Strefa Ekonomiczna S.A.	Collaboration among EDIH hub4industry and EDIH Silesia on AI, automation and robotics, cybersecurity, additive manufacturing, 5G topics.	Silesia, Poland	External
Poznan Supercomputing and Networking Center	Collaboration among EDIH hub4industry and CyberSec EDIH on smart robotics and cybersecurity.	Poland	External
Transylvania DIH	Collaboration among EDIH hub4industry and Transylvania DIH on AI, Big Data, HPC, Advanced Digital Skills.	Transylvania, Romania	External
Wroclaw Technology Park	Collaboration among EDIH hub4industry and Wro4DigitAI EDIH on digitalization and structural transformation.	Wroclaw, Poland	External
Regional Development Agency MARR S.A	Cooperation for EDIH hub4industry to support digital transformation	Malopolska, Poland	CEUP2030
Malopolskie region	Support the implementation of DIH	Malopolska, Poland	CEUP2030
ProFactor GMBH	Partner agreement for the Horizon-IA project “CoRTeam”, PRO individual flagship project.	Austria	CEUP2030
Liberà Università di Bolzano		Trentino-Alto Adige, Italy	External
Oulun Yliopisto		Finland	External
Lunds Universitet		Sweden	External
Università degli Studi di Trento		Trentino-Alto Adige, Italy	External
Università di Bologna		Emilia-Romagna, Italy	External
HT Laser Oy		Finland	External
Fundacio Eurecat		Catalonia, Spain	External
European Dynamic Luxemburg SA		Luxemburg	External
European Dynamic Advanced Information Technology and Telecommunication System SA		Greece	External
Artiminds Robotics SA		Germany	CEUP2030
Nuova Tesi System SRL		Italy	External
Rina Consulting SPA		Lombardy, Italy	CEUP2030
Alstom Transporte SA		Spain	External
Printstones GMBH		Austria	CEUP2030
National University Corporation Tohoku University		Japan	External
AIT Austrian Institute of technology	Bilateral AT-DE proposal on Big Data topics promoted and coordinated by PRO and KIT.	Austria	CEUP2030
BRP-Rotax GMBH & Co KG		Austria	CEUP2030
Fabasoft R&D GMBH		Austria	CEUP2030
Fronius International GMBH		Austria	CEUP2030
PALFINGER Europe GMBH		Austria	CEUP2030
Research Industrial Systems Engineering GMBH		Austria	CEUP2030
Software Competence Centre Hagenberg GMBH		Austria	CEUP2030
TTTech Industrial Automation AG		Austria	CEUP2030
Universität Salzburg		Austria	CEUP2030
Affective & Cognitive Institute der Hochschule Offenburg		Germany	CEUP2030
AUDI AG		Germany	CEUP2030
AWS Institute für digitale Produkte und Prozesse GMBH		Germany	CEUP2030
MRK System GMBH		Germany	CEUP2030
Optimum GMBH		Germany	CEUP2030
Universität Stuttgart		Germany	CEUP2030
VitroniC		Germany	CEUP2030



Vysoká škola polytechnická Jihlava	Collaboration for the A&R PIA flagship on Testbed Exchange	Czech Republic	External
FOTEC Forschungs- und Technologietransfer GmbH.	Collaboration for the IPS PIA flagship SHARE	Austria	CEUP2030
Forschung Burgenland GmbH		Austria	CEUP2030
Ústav materiálov a mechaniky strojov Slovenskej akadémie vied		Slovakia	External
Národné centrum robotiky		Slovakia	External
Slovenská inovačná a energetická agentúra		Slovakia	External
Združenie inteligentného priemyslu - Industry4UM		Slovakia	External
Technical University Chemnitz	LoS to CEUP2030 activities	Chemnitz, Germany	CEUP2030
Smart3 e.V.	LoS to CEUP2030 activities	Dresden, Germany	External
futureSAX GmbH	Contribution as Strategic Board Member in Interreg-Project "Smart Circuit", IWU flagship	Dresden, Germany	External
HTW University of Applied Sciences Dresden	LoS to CEUP2030 activities	Dresden, Germany	External
Technische Universiteit Delft	Partner agreement for the Horizon-TMA-MSCA-DN project "Next4Fun", KIT IPS individual flagship project.	Netherland	External
Kungliga Tekniska Hogskolan		Sweden	External
Universite du Luxembourg		Luxemburg	External
Universite D'AIX Marseille		France	External
Università degli studi di Padova		Veneto, Italy	External
Quantica GMBH		Germany	External
TIGER Coatings		Austria	External
NOTION SYSTEM GMBH		Germany	External
Sensofar-tech SL		Spain	External
University of Birmingham		United Kingdom	External
Univerza V Ljubljani	Partner agreement for the Horizon-TMA-MSCA-DN project "Bio SAM", KIT A&R individual flagship project.	Slovenia	External
Manufacturing Technology Centre Limited		United Kingdom	External
Katholieke Universiteit Leuven		Belgium	External
Razvojni Center Orodjarstva Slovenije		Slovenia	External
Siemens Industry Software NV		Belgium	External
Leuven Air Bearings NV		Belgium	External
CAP Center Za Aplikativne Polimere Doo		Slovenia	External
Helios tovarna barv		Slovenia	External
Touchlab Limited		United Kingdom	External
Formatec Technical Ceramics BV		Netherland	External
Laser Engineering Applications SA		Belgium	External
Apium Additive Technologies GMBH		Germany	CEUP2030
Quantica GMBH		Germany	CEUP2030
Polymeris	LoS to CEUP2030 activities	Auvergne Rhone Alpes, France	External
Comet - Cluster Metalmeccanica FVG	LoS to CEUP2030 activities	Friuli Venezia Giulia, Italy	External
STAM SRL	LoS to CEUP2030 activities	Liguria, Italy	CEUP2030
IROI SRL	LoS to CEUP2030 activities	Liguria, Italy	CEUP2030
Mittelstand 4.0-Kompetenzzentrum Cottbus	Support for the Interreg CENTRAL EUROPE project "Smart and Green Innovation Approaches for scaling up digital transformation opportunities in CE" (GREENE 4.0), PTP SM flagship	Rhine-Main, Germany	External
Impact Hub Tirol - SETup GMBH		Tyrol, Austria	External
Regional Development Agency of Usti Region		Usti, Czech Republic	External
Tyrol Chamber of Commerce - Kufstein District Office		Tyrol, Austria	External
Bistra hisa Martjanci	LoS to CEUP2030 activities	Slovenia	CEUP2030
Szombathely Megyei Jogu Város Onkormányzata	Collaboration within the Szombathely2030 Strategy with PBN that promotes all CEUP2030 CAMI4.0 topics	Hungary	CEUP2030
Eotvos Lorand Tudományegyetem		Hungary	CEUP2030
Pécsi Tudományegyetem		Hungary	CEUP2030
Obudai Egyetem		Hungary	CEUP2030
Vas Megyei Kereskedelmi és Iparkamara		Hungary	CEUP2030
KTI Kozlekedestudományi Intézet Nonprofit KFT		Hungary	CEUP2030

Manufacturing		Digital agriculture	Public administration
ABB d.o.o.	Klimaoprema d.d.	AGRIVI d.o.o.	APIS IT d.o.o.
AI Perception d.o.o.	m-Start plus d.o.o.	Agronomski fakultet, Zagreb	Auto Hrvatska d.d.
Altpro d.o.o.	Metal product d.o.o.	Fakultet kemijskog inženjerstva i tehnologije	Hrvatski klastar konkurentnosti obrambenih industrija
Atlantic Grupa d.d.	MIAB d.o.o.		Hrvatska akademska i istraživačka mreža - CARNET
CADCAM d.o.o.	Multisoft d.o.o.	Energy & Sustainable environment	DHMZ
CroSi - Udruga za promociju pametnih industrija	Podravka d.d.	Combis d.o.o.	Državni zavod Gršić
DATA LINK d.o.o.	Proning DHI d.o.o.	EcoCortec d.o.o.	Akademija tehničkih znanosti Hrvatske
DOK-ING d.o.o.	Rimac Technology d.o.o.	Crodux Energetika d.o.o.	Hrvatska poštanska banka d.d.
Fakultet za informacijske študije, Slovenija	Romb Technologies d.o.o.	DUCATI komponenti d.o.o.	HRT
Fakultet organizacije i informatike	Sea cras d.o.o.	Ericsson Nikola Tesla d.d.	Hrvatska pošta
Fakultet strojarstva i brodogradnje, Zagreb	TEH-CUT d.o.o.	Energy Platform Living Lab	Hrvatska udruga poslodavaca
H2O d.o.o.	Tetida d.o.o.	HELB d.o.o.	Iskon Internet d.d.
HS Produkt d.o.o.	Tomo Varga d.o.o.	HEP d.d.	Hanza media d.o.o.
HSTEC d.o.o.	Torbarina d.o.o.	Končar Elektroindustrija d.d.	Lucera Poduzetnički inkubator
Inetec d.o.o.	Utilis d.o.o.	LED ELEKTRONIKA d.o.o.	Ministarstvo poljoprivrede
Infobip d.o.o.	Visage technologies d.o.o.	MUNJA d.o.o.	REGEA
Iskra brodogradilište 1 d.o.o.	Visior d.o.o.	MURAPLAST d.o.o.	Sveučilište u Zagrebu
Jedinstvo - PNO d.o.o.	Working d.o.o.	Rasco d.o.o.	UDRUGA Inovatora Hrvatske
JGL d.d.		SEDAM IT d.o.o.	PZ Ludbreški kraj
KING ICT d.o.o.		Siemens d.d.	
		Solaris PONS d.o.o.	
		Solvis d.o.o.	
		TEHNIX d.o.o.	
		TPK OROMETAL d.d.	
		Vetropack Straža d.d.	

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5. Conclusions

The purpose of this document is to collect and report all the activities performed in AT3.3.3 for the definition of a Common Policy Framework around CEUP2030 partnership on the identified CAMI4.0 topics.

In particular, have been reported:

- The methodology used to identify and define four Common Policy Use Case connected to TINs CAMI4.0 topics, through different brainstorming sessions and the compilation of templates by each PPs.
- The description of the developed Common Policy Use Cases in terms of inputs collected from PPs individual flagships, concept development and description, actual challenges and potential benefits for each PP and regional ecosystem, and capitalization agenda for short-term actions towards the implementation.
- The collected Letters of Support to demonstrate the interest of regional stakeholders and external partners around the work and the CAMI4.0 topics of CEUP2030 project.



6. Annexes

6.1. Templates regarding the Joint Capitalisation Roadmap on CAMI4.0 topics in Central Europe

6.1.1. Common Template per TIN

<u>Common Policy Use Case Report</u>					
CAMI4.0 topic addressed:	Wählen Sie ein Element aus.				
Lead Partner responsible for this topic:	Wählen Sie ein Element aus.				
Dates of the TIN meeting and place:	Meeting short description		Date:		Place / tool and name of the organizer:
Project Partners Pool	<input type="checkbox"/> KPT	<input type="checkbox"/> PRO	<input type="checkbox"/> PIA	<input type="checkbox"/> IWU	<input type="checkbox"/> KIT
	<input type="checkbox"/> AFIL	<input type="checkbox"/> SIIT	<input type="checkbox"/> PBN	<input type="checkbox"/> PTP	<input type="checkbox"/> HAMAG
External stakeholders involved in the definition of the Policy Use Case <i>Feel free to add rows if necessary, all the stakeholders relevant to the Policy Use Case should be mentioned</i>	PP Name	Org Type	Org Role		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		
		Choose an item.	Choose an item.		



Flagship Analysis Section of the Common Policy Use Case

What are the 5 Flagship projects included in your TIN working group?		
What are the commonalities among the Flagship projects	In the challenge addressed?	
	In the sector?	
	In the solutions elaborated?	
	In the methodology used?	
What is the significance of the commonalities in elaborating a common Joint Strategy?		
What are the major differences between the Flagships projects?		
How these differences could hinder the process to elaborate a common Joint Strategy?		
Which stakeholders should be engaged in the Letter of Commitment phase to build this idea?		
Any other comments		

Concept Development Section of the Common Policy Use Case



What is the name (Acronym) of the Policy Use Case?	
Describe the Policy Use Case elaborated during the brainstorming sessions	
What is the challenge addressed by the Common Policy Use Case?	
What is the solution envisaged by the Partnership to overcome this challenge?	
Who are the target groups of this Common Policy Use Case?	<p>Choose as many which will apply</p> <p><input type="checkbox"/> Large Enterprises</p> <p><input type="checkbox"/> SME</p> <p><input type="checkbox"/> Higher Education & Research Organisation</p> <p><input type="checkbox"/> Business Support Organisation</p> <p><input type="checkbox"/> Schools and Training Institutes</p>
How does this Common Policy Use Case promote Central European manufacturing competitive advantage?	
Elaborate on the relevance	



significance of the Policy Use Case for Central Europe.	
How does the Policy Use Case meet the goals of the European Union on the new period 2021-2027?	
How do you plan to finance the Use Case? What are the programs/ initiatives and instruments raised during the brainstorming meetings which could be utilised to bring success of this Common Policy Use-Case?	
What gaps or challenges do you foresee to complete this Use-Case based on the current policy instrument(s) you are targeting?	
What recommendations do you have to promote better policy instrument alignment to achieve Central Europe or European Union goals to promote the uptake of your CAMI4.0 Topic.	



<p>What are the lessons learned from this cooperative team work, which could be utilised to promote future strategy and policy alignment?</p>	
---	--



6.1.2 Self-assessment template towards the creation of a common roadmap (1 template per Topic you are involved in)

Self-assessment template towards the creation of a common roadmap					
Title of Organisation:	Wählen Sie ein Element aus.				
Title of Common Policy Use Case Discussed (Acronym)					
CAMI4.0 Topic addressed:	Wählen Sie ein Element aus.				
Project Partners Pool Involved in Common Policy Use Case	<input type="checkbox"/> KPT	<input type="checkbox"/> PRO	<input type="checkbox"/> PIA	<input type="checkbox"/> IWU	<input type="checkbox"/> KIT
	<input type="checkbox"/> AFIL	<input type="checkbox"/> SIIT	<input type="checkbox"/> PBN	<input type="checkbox"/> PTP	<input type="checkbox"/> HAMAG

Reference Consideration	Response
What did you find interesting regarding other Flagship projects?	
What are the difficulties you met inside your working group?	
How did these meetings help you improve your own flagship project(s)?	
Why is it interesting for your organisation to be involved in the Common Policy Use Case? What are the benefits for your organisation?	
How does this Policy Use Case benefit your stakeholder involved and particularly the one who signed the letters of commitment?	



What could be the challenges met by your organisation to implement this Common Policy Use Case?		
How does the Common Policy Use Case enhance the competitive advantage of your territorial area's manufacturing eco-system?		
What aspects of your territorial area's enabling eco-system can complement the development of the Common Policy Use Case?		
What are the territorial changes that need to be implemented to be able to enable the common Policy Use Case?		
What focus area would you like to work on to implement a common Roadmap around your Common Policy Use-Case		
In order to build a common roadmap for delivering your Common Policy Use Case, Identify <u>at least</u> 5 next steps you would like to work on with your organisation to implement the common Policy Use Case ?	Action/Next Step Description	Delivery Date

Table 33 - Self-assessment template regarding the Policy Use Case and the Joint Capitalisation Roadmap (Author generated)



6.2. Letters of Commitment

Memorandum of Understanding – EDIH Manufacturing Network (EDIH4Manu)

We, coordinators of European Digital Innovation Hub candidates,

1. EDIH Lombardia (Lombardy, Italy), coordinated by MADE Competence Center I4.0
2. DIGITALIS (Flanders, Belgium), coordinated by Flanders Make
3. EDIH SNL (South Netherland, Netherlands), coordinated by Stichting EDIH ZNL
4. EDIH DIGIHALL (Île de France, France), coordinated by CEA
5. POLYTRONICS (Auvergne Rhone Alpes, Bourgogne Franche Comté, Centre Val de Loire, France), coordinated by Polymeris
6. DIH4CAT (Catalonia, Spain), coordinated by ACCIÓ - Agència per la Competitivitat de l'Empresa
7. Canary Islands Digital Innovation Hub (CIDIHUB) (Canary Islands, Spain), coordinated by Innovalia Association
8. PRODUTECH DIH (Portugal), coordinated by PRODUTECH – Associação para as Tecnologias de Produção Sustentável
9. NEURAL (Veneto, Italy), coordinated by SMACT Competence Center
10. EXPAND (Piedmont, Italy), coordinated by CIM4.0 Competence Center
11. EHUB-WG (Patras, Greece), coordinated by Laboratory for Manufacturing System & Automation (LMS)
12. Six Manufacturing EDIH (Finland), coordinated by Tamlink Ltd.
13. AddSmart – The European Digital Innovation Hub of North Denmark (North Denmark, Denmark), coordinated by Business Hub Northern Denmark
14. ShiftLabs (Stockholm, West Sweden, East Middle Sweden, Sweden), coordinated by Mälardalen University.
15. EDIH Rheinland, (Rheinland, Germany), coordinated by Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University
16. EDIH Cassovium (East Slovakia, Slovakia), coordinated by Technical University of Košice
17. Digitization.Beyond.BW (Baden Württemberg, Germany), coordinated by Zentrum für Digitalisierung Landkreis Böblingen – ZD.BB GmbH
18. EDIH Digital Innovations for Bavarian Industries (North and Southwest Bavaria, Germany), coordinated by Bayern Innovativ GmbH
19. Hub4Industry (Małopolska, Podkarpatie, Świętokrzyskie, Poland), coordinated by Krakowski Park Technologiczny sp. z o.o.
20. EDIH Ostrava (Moravian-Silesian Region, Czech Republic), coordinated by VSB – Technical University of Ostrava
21. Basque Digital Innovation Hub (BDIH) (Basque Country, Spain), coordinated by SPRI Agencia Vasca de Desarrollo Empresarial
22. EDIH Northern and Eastern Bohemia (Northeast Bohemia, Czech Republic), coordinated by ARR - Agentura regionálního rozvoje, spol. sr.o
23. DIHGIGAL (Galicia, Spain) coordinated by Ceaga-Fundación Cluster de la Automoción de Galicia
24. WalHub (Walloon, Belgium), coordinated by AGORIA
25. Artificial Intelligence EDIH (Hungary), coordinated by Digital Success Nonprofit Ltd.

express the interest on behalf of our EDIH candidates consortium to cooperate within the network “**EDIH Manufacturing Network (EDIH4Manu)**” in the framework of the Initial Network of Digital Innovation Hubs call (ID: DIGITAL – 2021 – EDIH – INITIAL – 01).

We do cooperate on a voluntary basis to **lead European manufacturing industry digital and sustainable transformation** to support of the use digital capacities under Digital Europe Programme specific objectives (i.e. High Performance Computing, Artificial Intelligence, Cybersecurity, Advanced Digital Skills, Accelerating the best use of technologies). The cooperation of the network is based on the following drivers:

- **Manufacturing value chain**, as core sectoral expertise acknowledged in our Regional Smart Specialisation Strategies
- **Access to digital technologies and infrastructure**, allowing for cross regional test before invest services, basing on sectoral and technological complementarities
- **EU/local approach**, leveraging cross regional services and opportunities coming from the existing EU manufacturing regional networks (Vanguard Initiative¹, EUSALP², 4 EU Motors³) our Regions belongs to, as well as Digital Innovation Hubs networks and EU projects network (Annex 2).

For this purpose, we have agreed on the following non exhaustive service portfolio list to be supplied on a cross regional basis to EDIH4Manu clients building on customized customer journey within the scope of the EDIH proposal:

A. TEST BEFORE INVEST, to support the implementation and adoption of digital technologies.

Examples of services:

- Provision of access to technological infrastructure
- R&I project development (such as Proof of Concept, TestBed, prototyping starting from TRL 6)
- Support of product demonstration and qualification

B. SKILLS AND TRAINING. To support reskilling, upskilling and creation of new skills for I4.0.

Examples of services:

- Co-organisation of dedicated technology informative, to explain I4.0 technology
- Co-organization of training courses (e.g. summer school)
- Co-development of teaching factory schemes
- Co organization of train the trainer courses
- Mapping and assessment of skills gaps

C. ACCESS TO R&I FUNDS, supporting companies in accessing European, cross regional funds for R&I and innovative finance. Examples of services:

- Identification of funding opportunities (e.g. Horizon Europe, ERDF, Digital Europe)
- Matching of proposals and funds
- Consortia creation

D. ECOSYSTEM, develop and increase R&I Network (universities, companies, R&D) to promote technology transfer projects. Examples of services:

- Co organization of information and awareness raising
- Cooperation delivering Digital maturity assessment

¹ <http://www.s3vanguardinitiative.eu/>

² <https://www.alpine-region.eu/>

³ <https://www.4motors.eu/en/>

- Tech scouting, trend watching on I4.0 technology
- Technology matchmaking (e.g. company visit, B2B)
- R&I ecosystem management and engagement
- Manufacturing EDIH capacity building and best practice exchange

To implement the above-mentioned activities, we will share and make available our testing facilities to EDIH4Manu clients within the scope of European Digital Innovation Hub network. In addition, to accomplish the above-mentioned services portfolio EDIH Manufacturing Network members will exploit synergies with local Enterprise Europe Network⁴ nodes, EIT Manufacturing co location center⁵, EIT Digital⁶ and regional cluster organization.

Following positive evaluation of the proposals, EDIH4Manu will agree on a joint annual action plan as well as setting up a governance mechanism to manage expansion of the network.

⁴ <https://een.ec.europa.eu/>

⁵ <https://www.eitmanufacturing.eu/>

⁶ <https://www.eitdigital.eu/>

1. EDIH Lombardia

MADE Competence Center I4.0 Scarl (Coordinator)

Represented by Professor Marco Taisch

Date: 08/02/2022

Signature



2. DIGITALIS

Flanders Make (Coordinator)

Represented by Dr. Ir. Dirk Torfs

Date:

Signature

Dirk Torfs
(Signature)



Digitally signed
by Dirk Torfs
(Signature)
Date: 2022.02.08
16:18:04 +01'00'

3. EDIH SNL

Stichting EDIH ZNL (coordinator)

Represented by Frank Donders & Gerard Blom

Date:

9-2-2022

Signature

A handwritten signature in blue ink, appearing to read 'Gerard Blom', with a long horizontal flourish extending to the right.

Gerard Blom

Program manager EDIH-SNL

Board member Stichting EDIH-SNL

4. EDIH DIGIHALL

CEA (Coordinator)

Represented by Valentina Ivanova

Date: 10/02/2022

Signature

A handwritten signature in black ink, appearing to read 'Valentina Ivanova', written in a cursive style.

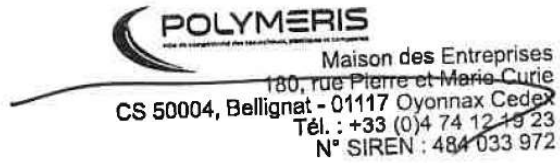
5. **POLYTRONICS**

Polymeris (Coordinator)

Represented by Patrick Vuillermoz, CEO Polymeris

Date 14/02/2022

Signature



6. **DIH4CAT**

ACCIÓ - Agència per la Competitivitat de l'Empresa (Coordinator)

Represented by Javier Lopez

Date:

Signature

46329553D

JAVIER LOPEZ

(R: G66210345)

Firmado digitalmente
por 46329553D JAVIER
LOPEZ (R: G66210345)
Fecha: 2022.02.14
12:15:22 +01'00'

7. Canary Islands Digital Innovation Hub (CIDIHUB)

Innovalia Association (Coordinator)

Represented by Jorge Galván Falcón

Date: 09/02/2022

Signature

The image shows a handwritten signature in blue ink, which appears to be 'Jorge Galván Falcón', written over the 'Signature' label. To the right of the signature is the logo for 'Innovalia ASSOCIATION'. The logo consists of the word 'Innovalia' in a bold, blue, sans-serif font, with the word 'ASSOCIATION' in a smaller, blue, sans-serif font directly below it. The 'i' in 'Innovalia' is stylized with a blue square dot.

8. PRODUTECH DIH

PRODUTECH – Associação para as Tecnologias de Produção Sustentável) (Coordinator)

Represented by Pedro Rocha

Date: Feb. 11th, 2022

Signature



PRODU[T]ECH

Associação para as Tecnologias
de Produção Sustentável

9. **NEURAL**

SMACT Competence Center (Coordinator)

Represented by Prof. Fabrizio Dughiero

Date: February 10th, 2022

Signature

SMACT SOCIETÀ CONSORTILE PER AZIONI
Fondamenta S. Giobbe Cannaregio 372
VENEZIA
C. F. e P. IVA: 04516580273



10. **EXPAND**

CIM4.0 Competence Center (Coordinator)

Represented by Enrico Pisino

Date: 09/02/2022

Signature 

11. EHUB-WG

Laboratory for Manufacturing System & Automation (LMS) (Coordinator)

Represented by Prof. George Chryssolouris

Date:

Signature

GEORGIOS
CHRYSOLOURIS

 Digitally signed by GEORGIOS
CHRYSOLOURIS
Date: 2022.02.11 16:47:48 +02'00'

12. Six Manufacturing EDIH

Tamlink Ltd. (Coordinator)

Represented by Mr. Juha Leppänen, CEO of Tamlink and Mr. Harri Nieminen, Co-creation manager of VTT

Mr. Juha Leppänen, Tamlink Ltd., CEO

Date: 15.2.2022

Signature



Mr. Harri Nieminen, VTT Technical Research Centre of Finland, Co-creation manager

Date: 14.2.2022

Signature

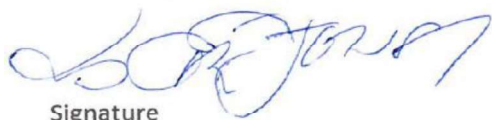


13. AddSmart – The European Digital Innovation Hub of North Denmark

Business Hub Northern Denmark (Coordinator)

Represented by Lars Erik Jønsson

Date: 14/02.22.

A handwritten signature in blue ink, appearing to read 'Lars Erik Jønsson', written over the printed name.

Signature

14. ShiftLabs

Mälardalen University (Coordinator)

Represented by Damir Isovich

Date: 2022-02-16



Signature

15. **EDIH Rheinland**

Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University
(Coordinator)

Represented by Prof. Dr.-Ing. Robert Schmitt

Date: 11/02/2022

Signature



Lehrstuhl für Fertigungsmesstechnik
und Qualitätsmanagement
Prof. Dr.-Ing. R. Schmitt
Werkzeugmaschinenlabor
RWTH Aachen - D 52056 Aachen

16. **EDIH Cassovium**

Technical University of Košice (Coordinator)

Represented by Dr. h. c. prof. h. c. prof. Ing. Stanislav Kmeť, DrSc.

Date: 14.02.2022

Signature



17. **Digitization.Beyond.BW**

Zentrum für Digitalisierung Landkreis Böblingen – ZD.BB GmbH

Represented by Dr. Claus Hoffmann

Date: 2022 10 21 08

Signature

A handwritten signature in blue ink, appearing to read "C. Hoffmann". The signature is written in a cursive style with a large, stylized initial "C".

18. EDIH Digital Innovations for Bavarian Industries

Bayern Innovativ GmbH (Coordinator)

Represented by Dr. Matthias Konrad, Member Board of Directors, and Dr. Robert Couronné,
Member Board of Directors

Dr. Matthias Konrad

Member Board of Directors

Dr. Robert Bartl

Member Board of Directors

Date and Signature

Date and Signature

16.2.22



16.2.22

i.V.



19. **Hub4Industry**

Krakowski Park Technologiczny sp. z o.o. (Coordinator)

Represented by Łukasz Słoniowski and Dorota Skotnicka

Date: 15/02/2022

Signature


Dorota Skotnicka
Wiceprezes Zarządu


Łukasz Słoniowski
Wiceprezes Zarządu

20. **EDIH Ostrava**

VSB – Technical University of Ostrava (Coordinator)

Represented by prof. RNDr. Václav Snášel, CSc.

Date:

Signature

prof. RNDr.
Václav Snášel,
CSc.

Digitálně podepsal
prof. RNDr. Václav
Snášel, CSc.
Datum: 2022.02.16
11:50:58 +01'00'

21. Basque Digital Innovation Hub (BDIH)

SPRI Agencia Vasca de Desarrollo Empresarial (Coordinator)

Represented by Aitor Urcelai Inza

Date:

Signature

18597841H
AITOR
URZELAI (R:
Q4800789B)



Firmado digitalmente
por 18597841H
AITOR URZELAI (R:
Q4800789B)
Fecha: 2022.02.10
10:59:45 +01'00'

22. EDIH Northern and Eastern Bohemia

ARR - Agentura regionálního rozvoje, spol. s r.o (Coordinator)

Represented by Ing. Petr Dobrovský, CEO of ARR – Agentura regionálního rozvoje, spol. s r.o.

Date: 11.2.2022

Signature



ARR - Agentura regionálního rozvoje,
spol. s r.o.
zapsaná v OR vedená KS v Ústí nad Labem,
oddíl C, vložka 4205
U JEZU 525/4, 430 01 LIBEREC IV
IČ: 48267210, DIČ: CZ-48267210 [2]

23. DIHGIGAL

Ceaga-Fundación Cluster de la Automoción de Galicia (Coordinator)

Represented by Alberto de Cominges Barreiro-Meiro

Date: 08/02/2022

Signature

A handwritten signature in blue ink, consisting of a large loop at the top and a stylized, elongated shape below it.

24. **WalHUB**

AGORIA (Coordinator)

Represented by Clarisse Remakers

General Manager, Agoria Wallonie

Date: 18/02/2022

Signature:

A handwritten signature in black ink, appearing to read 'Clarisse Remakers', with a stylized flourish at the end.

25. Artificial Intelligence EDIH (AI EDIH)

Digital Success Nonprofit Ltd. (Coordinator)

Represented by László Jobbágy, CEO of Digital Success Nonprofit Ltd.

Date: 18th February, 2022

Signature:


Innomine DIH Nonprofit Kft.
7624 Pécs, Kodály Z. u. 15/B. 2/7.
10700732-69605866-51100003
Adószám: 25541449-2-02

MEMORANDUM OF UNDERSTANDING BETWEEN

INTEMAC

&

Krakowski Park Technologiczny

Concluded between INTEMAC Solutions, s. r. o. represented by Ing. Radomír Zbožínek, CEO

and

Krakowski Park Technologiczny sp. z o.o., represented by Łukasz Słoniowski - vicepresident of the Board, and Dorota Skotnicka - vicepresident of the Board

PREAMBLE

The European Commission has proposed the Digital Europe program for the next programming period 2021-2027 with a focus on building the strategic digital capacities of the EU and on facilitating the wide deployment of digital technologies across the society.

Although many segments of the economy have been quick to take up digital technologies and processes, many traditional sectors, and small and medium enterprises (SMEs) are lagging behind. There is a risk of undermining competitiveness of the economy segments that are not adopting digitalization fast enough.

In this respect, European Digital Innovation Hubs are seen as an important vehicle for the member states to support SMEs in their digital transformation. They can, working together, strengthen their capacity for companies to access the knowledge and testing facilities to grasp the opportunities of the digital economy.

Therefore,

Considering that Krakowski Park Technologiczny coordinates the proposal for the EDIH hub4industry with the aim of providing industrial enterprises, especially SMEs, with the technological capabilities needed to meet the challenges of industry 4.0 and to support them in their digital transition.

Considering that INTEMAC has a demonstrated record in digitalization of manufacturing SMEs, it is preparing the EDIH Digimat programme application, and it has got a strong commitment with the use of digital technologies to improve regional competitiveness.

Considering that both parties agree that for companies and, in particular SMEs, to optimize the potential of digital technologies and advanced manufacturing, it is necessary to strengthen synergies and critical mass to making the most of their available scientific, technological and human capabilities.

The Parties have reached the following understanding:

A. SCOPE AND AREAS OF COOPERATION

The scope of this MoU is the collaboration and cooperation between the signatory parties to improve their role of drivers of Industry 4.0 in their respective regions.

The collaboration focuses on:

- exchange information on experiences and good practices in the fields of:
 - dissemination of different Industry 4.0 related technologies (e.g. 5G connectivity, AI complemented robotics, manipulation mechanisms, vision systems for recognition and inspection combined with handling mechanisms, additive/subtractive manufacturing),
 - sharing and replication of experiments in between involved field labs and demonstration and testing facilities, utilizing above mentioned technologies and approaches, for the benefit of targeted SMEs,
 - bringing these technologies to SMEs, including awareness raising mechanisms, digital maturity audit frameworks, funding mechanisms, business case support, train the trainers schemes,
 - developing an innovative digital culture in SMEs including training processes at different levels in the organization.
- Cooperate on interconnecting the supply chains of high-tech equipment, and their integration, through cooperation of Polish and Czech vendors of information, automation, and robotization systems deployed in SMEs.
- develop joint initiatives to promote and broaden business and trade connections between involved region based on B2B matchmaking events, company missions. Leverage preparation of joint R&I projects co-funded by EC to reinforce the ties and align the business agendas of involved SMEs.

B. MISCELLANEOUS

The parties undertake to carry out individual annual assessment of the performance and progress of the objectives set and sharing their respective conclusions to determine the effectiveness of the established collaboration agreement.

The parties agree that it is not necessary to allocate a specific budget but undertake to provide in each of their organizations the personal and financial means that will allow progress to be made towards the objectives set by the parties.

Detailed principles and modes of cooperation, including the financial obligations of both Parties, will be determined in separate civil law contracts or agreements.

C. ENTRY INTO FORCE, VALIDITY, AND TERMINATION

This MoU is at-will and may be modified by mutual consent of the parties. This MoU shall become effective upon signature and will remain in effect until modified or terminated by any one of the parties by mutual consent.

CONTACT

Krakowski Park Technologiczny sp. z o.o.

Bartosz Józefowski, Deputy Director of Industry 4.0

ul. Podole 60, 30-394 Kraków

Tel. +48 12 345 32 20

Date:

Signature:

Signature:

Signature Not Verified
Dokument podpisany przez
Dorota Skotnicka
Data: 2022.02.14 11:08:32 CET

Signature Not Verified

Dokument podpisany przez
Łukasz Jan Słonowski
Data: 2022.02.15 17:38:27
CET

CONTACT

INTEMAC Solutions, s. r. o.

Ing. Radomír Zbožínek, CEO

Blanenská 1288/27, 664 34 Kuřim, the Czech Republic

Tel. +420 733 297 799

Date:

Signature:

Ing.
Radomír
Zbožínek
Digitálně podepsal
Ing. Radomír
Zbožínek
Datum: 2022.02.01
09:58:11 +01'00'

Letter of Intent for cooperation

Recognizing the importance of cooperation while supporting digitalizatal transformation of economy, especially as both parites will serve geographically neighbouring regions, signatories of this Letter of intent confirm the great interest in establishing a long-term partnership and agree to exercise their best efforts to develop the following forms of cooperation:

- **EDIH hub4industry** will redirect its clients if they will be looking for services in which **Silesia Smart Systems (EDIH Silesia)** specialize, in particular Artificial Intelligence, automation and robotics; cybersecurity, additive manufacturing.
- **EDIH Silesia** will redirect its clients if they will be looking for services in which **hub4industry** specializes, in particular connectivity, 5G network, campus networks.
- Both parties will consider providing joint services or organizing additional projects around shared specializations in particular smart robotics.
- Partners will organize train the trainer mutual study visits to their centers.
- Both parties will indicate contact persons and experts to ensure a continuous flow of knowledge between organizations.
- Informing of each other's initiatives and projects in support of digital transformation and considering cooperation in future projects.
- Cross-promotional activities in relevant initiatives.

The above list is open for additional activities that can result from DTA actions or Industry of the Future Foundation that coordinates network of EDIH's in Poland. Both

This document enters into force on the date of signing for an indefinite period.



This document was signed on: 11/02/2022

On behalf of the **EDIH hub4industry**:

EDIH coordinator: Krakowski Park Technologiczny sp. z o.o.

Łukasz Słoniowski

Dorota Skotnicka

Vice president of the board

Vice president of the board

Signature:

Signature:

Signature Not Verified

Dokument podpisany przez

Łukasz Jan Słoniowski

Data: 2022.02.15 17:38:49 CET

Signature Not Verified

Dokument podpisany przez

Dorota Skotnicka

Data: 2022.02.15 13:55:12 CET

On behalf of the **EDIH Silesia**

EDIH coordinator: Katowicka Specjalna Strefa Ekonomiczna S.A.

Janusz Michałek, PhD.

Jacek Bialik,

President, Chairman of Board

Vice-President

Signature:

Signature:

JANUSZ KAZIMIERZ
MICHAŁEK

Signature Not Verified

Dokument podpisany przez JACEK

ALEKSANDER BIAŁIK

Data: 2022.02.11 15:20:40 CET

CONTACT DETAILS

Podole 60, Kraków, Poland

Bartosz Józefowski

bjozefowski@kpt.krakow.pl

CONTACT DETAILS

Rybnicka 29, Gliwice, Poland

Aleksandra Zajusz-Wayda

awayda@ksse.com.pl



Letter of Intent for cooperation

The regional hub4industry (Digital Innovation Hub) coordinated by the Krakowski Park Technologiczny and the national specialised CyberSec EDIH coordinated by the Poznan Supercomputing and Networking Center recognized the importance of cooperation while supporting digital transformation of economy. Signatories of this Letter of Intent confirm its great interest in establishing a long-term partnership and agree to exercise their best efforts to develop an ecosystem of added value services provided by both EDIH consortia. There has been defined the following forms of cooperation:

- Defining a joined list of expertise and services supporting future customers for enhancing the process of digital transformation
- Linking together advanced activities of both EDIH to establish and advanced ecosystem for industry, governmental institutions and local administration, e.g. smart robotization, cybersecurity.
- Providing joined communication channels for customers interested in a complex support done by both entities.
- Cross-promotional activities in relevant initiatives.
- Both parties will indicate contact persons and experts to ensure a continuous flow of knowledge between consortia.

The above list is open for additional activities that can result from DTA actions or Industry of the Future Foundation that coordinates network of EDIH's in Poland.

Detailed principles and modes of cooperation, including the financial obligations of both Parties, will be determined in separate civil law contracts.

This document enters into force on the date of signing for an indefinite period.

This document was signed on:/2022

On behalf of the EDIH hub4industry:

EDIH coordinator: Krakowski Park Technologiczny sp. z o.o.

Łukasz Słoniowski

Vice president of the board

Signature:

Signature Not Verified

Dokument podpisany przez
Łukasz Jan Słoniowski
Data: 2022.02.02 18:18:14 CET

Dorota Skotnicka

Vice president of the board

Signature:

Signature Not Verified

Dokument podpisany przez
Dorota Skotnicka
Data: 2022.02.03 09:35:53 CET

On behalf of CyberSec EDIH:

Norbert Meyer

CyberSec EDIH coordinator

Signature:

Gerard Frankowski

CyberSec EDIH technology coordinator

Signature:

CONTACT DETAILS

Podole 60, Kraków, Poland
Bartosz Józefowski
bjozefowski@kpt.krakow.pl

CONTACT DETAILS

Address
Contact person
e-mail adress

Letter of Intent for cooperation

Recognizing the importance of cooperation while supporting digital transformation of economy, especially as both parties will serve two different regions, signatories of this Letter of intent confirm the great interest in establishing a long-term partnership and agree to exercise their best efforts to develop the following forms of cooperation:

- EDIH hub4industry will redirect its clients if they will be looking for services in which Transilvania Digital Innovation Hub specializes, in particular AI, Big Data, HPC, Advanced Digital Skills and entering Romanian market.
- Transilvania DIH will redirect its clients if they will be looking for services in which hub4industry specializes, in particular in smart robotisation, connectivity, 5G network, campus networks and entering Polish market.
- Providing services for customers interested in a complex support done by both entities.
- Both parties will consider providing joint services or organizing additional projects around shared specializations in particular smart robotics.
- Both parties will indicate contact persons and experts to ensure a continuous flow of knowledge between organisations.
- Informing of each other's initiatives and projects in support of digital transformation and considering cooperation in future projects.
- Cross-promotional activities in relevant initiatives.

The above list is open for additional activities that can result from DTA actions.

Detailed principles and modes of cooperation, including the financial obligations of both Parties, will be determined in separate civil law contracts.

This document enters into force on the date of signing for an indefinite period.

This document was signed on: 27/01/2022

On behalf of the EDIH:

EDIH coordinator: Krakowski Park Technologiczny sp. z o.o.

Łukasz Słoniowski

Vice president of the board

Signature:

Signature Not Verified

Dokument podpisany przez
Łukasz Jan Słoniowski
Data: 2022.02.02 18:18:39
CET

Dorota Skotnicka

Vice president of the board

Signature:

Signature Not Verified

Dokument podpisany przez
Dorota Skotnicka
Data: 2022.02.02 14:38:37 CET

On behalf of Transilvania DIH coordinator:



Bianca MUNTEAN

Transilvania DIH coordinator

CONTACT DETAILS

Podole 60, Kraków, Poland

Bartosz Józefowski

bjozefowski@kpt.krakow.pl

CONTACT DETAILS

Bld. Nicolae Titulesc 4, Cluj-Napoca, Romania

Andrei Martiniuc

andrei.martiniuc@transilvaniait.ro

Letter of intent for cooperation

Both parties of this Letter of intent confirm the great interest in establishing a long-term partnership in the direction of digital transformation, with special focus on areas such as Artificial Intelligence, process automation, cybersecurity, and other innovative technologies and will cooperate in form of mutual support activates and understanding.

The designed Wro4DigitAI EDIH coordinated by WPT to be established in Wroclaw, Poland, and the hub4industry coordinated by Krakowski Park Technologiczny sp. z o.o. established in Kraków are both innovation hubs that aim to actively support digitization and structural transformation with the help of digital and innovative technologies in order to support the development of the business sectors in their respective macro-regions. Both parties have extensive background, knowledge and know-how of the digital transformation process, as well as an extensive network of stakeholders from the digitization value chain including but not limited to digital solution providers to product manufacturers, service providers, universities, research centers and public institutions, as well as non-IT industry representatives.

Should the European Commission award the above-mentioned EDIHs with funds, their mutual support would entail outreach, communication, and participation efforts meant to scale the Digital Europe project and its impacts. A critical point would be the access of SMEs to proper business and technological expertise available within EDIHs' services. The intended cooperation will also focus to reunite the efforts and capacities to carry out activities and, developing a support ecosystem for organizations interested in digital transformation.

To reach this objectives, both parties agree to capitalize on existing resources and opportunities for digital transformations at the level of industrial sector, public administration and society in general, while jointly collaborating on:

- ✓ Ecosystem building - common brokering and matchmaking event organization;
- ✓ Contribution to common activities, depending on mutually beneficial identified opportunities – complementary or joint services;
- ✓ Mutual promotion of the cooperation and its support activities through their respective communication channels;
- ✓ Facilitating relationships with innovative technology and solution providers and beneficiaries belonging to their respective stakeholder networks;
- ✓ Exchange of information on activities and best practices that could be of interest to the other party.

Detailed principles and modes of cooperation, including the financial obligations of both Parties, will be determined in separate civil law contracts.

This document represents the intention and will of the EDIHs to carry out actions in support of the digital transformation process and enters into force on the date of signing by the Partner for an indefinite period.

This document was signed on: .../.../2022

On behalf of the signing EDIH

Wroclaw Technology Park
Emilia Mazgajczyk
EDIH Project Coordinator

Signature

 **PODPIS ZAUFANY**
**EMILIA BARBARA
MAZGAJCZYK**
11.02.2022 18:39:25 [GMT+1]
Dokument podpisany elektronicznie
podpisem zaufanym

CONTACT DETAILS

Muchoborska 18, Wrocław, Poland
emilia.mazgajczyk@technologypark.pl
<https://www.technologypark.pl/en/>

On behalf of the signing EDIH

Krakowski Park Technologiczny sp. z o.o.
Łukasz Słoniowski
Vice president of the board

Signature

Signature Not Verified
Dokument podpisany przez Łukasz Jan
Słoniowski
Data: 2022.02.02 18:48:29 CET

.....
Dorota Skotnicka
Vice president of the board

Signature

Signature Not Verified
Dokument podpisany przez Dorota
Skotnicka
Data: 2022.02.02 14:39:21 CET

CONTACT DETAILS

Podole 60, Kraków, Poland
bjozefowski@kpt.krakow.pl
www.hub4industry.pl

Letter of Support

Regional Development Agency MARR S.A. located in Mielec operates in an important industrial district of the Podkarpackie Province. We express our support for hub4industry run by the Krakow Technology Park in efforts to become EDIH.

We have positive experiences from previous cooperation. We have noticed great interest of companies from our ecosystem in hub4industry services. We declare readiness to cooperate, in particular to promote hub4industry services and recruitment of companies in need of support in digital transformation.

We are convinced that interregional cooperation between our agency and hub4industry, supported by European funds, will contribute to accelerating the digital transformation of industry.

This document was signed on: 17.02/2022

On behalf of Regional Development Agency MARR S.A.:

Łukasz Gajdowski – Chairman of the Board

Antoni Górski – Deputy Chairman of the Board

Signature:

CONTACT DETAILS

Podole 60, Kraków, Poland
Bartosz Józefowski
bjozefowski@kpt.krakow.pl

CONTACT DETAILS

Chopina 18, Mielec, Poland
Łukasz Gajdowski
Lukasz_gajdowski@marr.com.pl

Agencja Rozwoju Regionalnego
„MARR” S.A.
ul. Chopina 18, 39-300 Mielec
NIP: 8170005093, REGON: 690024569
tel. 797 600 310, fax: 17 788 32 62

PREZES ZARZĄDU

Łukasz Gajdowski

WICEPREZES ZARZĄDU

Antoni Górski

Załącznik Nr 1 do uchwały Nr 145/22
Zarządu Województwa Małopolskiego
z dnia 15.02.2022 r.

LETTER OF SUPPORT

On behalf of the Małopolskie Region, represented by the The Management Board of the Małopolska Region, we express our support for the implementation of the Digital Innovation Hub project by Krakowski Park Technologiczny sp. z o. o.

Recognizing the importance of cooperation in supporting the digital transformation of the economy, the Małopolska Region declares in the case of obtaining funding for the project its contribution to supporting the substantive implementation of the project by:

- providing experts in the field of policies related to innovation, entrepreneurship and digitization,
- using the network of European Digital Innovation Hubs as well as information and knowledge gathered as part of the hub's activities to plan instruments, tools and policies related to industry and digital transformation of the economy in Małopolska,
- cooperation in the organization of events and webinars related to the substantive scope of the project in the field of expert knowledge support,
- cross-promotional activities of the actions undertaken in the project.

The above activities do not require financial participation on the part of the Małopolskie Region.

On behalf of Małopolska Region:
Województwo Małopolskie
Witold Kozłowski
The Marshal of the Małopolska Region

2022 -02- 16

Marta Malec-Lech
Członek Zarządu
Member of the Management Board
of the Małopolska Region
Marta Malec-Lech

2022 -02- 16

CORETEAM: EU Proposal

Call: HORIZON-CL4-2021-TWIN-TRANSITION-01
(TWIN GREEN AND DIGITAL TRANSITION 2021)

Topic: HORIZON-CL4-2021-TWIN-TRANSITION-01-01

Type of Action: HORIZON-IA

Proposal number: 101058644

Proposal acronym: CoRTeam

Type of Model Grant Agreement: HORIZON Action Grant Budget-Based

Partner: 17 Partners from 8 Countries

Administrative forms

Proposal ID **101058644**

Acronym **CoRTeam**

2 - Participants

List of participating organisations

#	Participating Organisation Legal Name	Country	Action
1	PROFACTOR GMBH	AT	
2	LIBERA UNIVERSITA DI BOLZANO	IT	
3	OULUN YLIOPISTO	FI	
4	LUNDS UNIVERSITET	SE	
5	UNIVERSITA DEGLI STUDI DI TRENTO	IT	
6	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	IT	
7	HT Laser Oy	FI	
8	FUNDACIO EURECAT	ES	
9	EUROPEAN DYNAMICS LUXEMBOURG SA	LU	
10	EUROPEAN DYNAMICS ADVANCED INFORMATION TECHNOLOGY AND TELECOMMUNICATION SYSTEMS SA	EL	
11	ARTIMINDS ROBOTICS GMBH	DE	
12	NUOVA TESI SYSTEM SRL	IT	
13	RINA CONSULTING SPA	IT	
14	RINA CONSULTING - CENTRO SVILUPPO MATERIALI SPA	IT	
15	ALSTOM TRANSPORTE SA	ES	
16	Printstones GmbH	AT	
17	NATIONAL UNIVERSITY CORPORATION TOHOKU UNIVERSITY	JP	

Commitment: Confirmation of the submission



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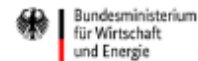
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq>

BIG DATA: Bilateral AT-DE Proposal

Partner: 16 Partners from 2 Countries

LEITPROJEKT

INDUSTRIELLE FORSCHUNG, EXPERIMENTELLE ENTWICKLUNG



PROJEKTbeschreibung FÜR BILATERALE FÖRDERUNGSANSUCHEN ÖSTERREICH – DEUTSCHLAND

DURCHGEFÜHRT IM RAHMEN DES ÖSTERREICHISCHEN PROGRAMMS
„FTE OFFENSIVE BIG DATA IN DER PRODUKTION“ UND DES DEUTSCHEN
FÖRDERRAHMENS „ENTWICKLUNG DIGITALER TECHNOLOGIEN“

AUSSCHREIBUNG 2020

Version 20.4.2020

Ausschreibung:	SMARTE UND SOUVERÄNE NUTZUNG VON DATEN FÜR DIE PRODUKTION (Big Data in der Produktion)
Langtitel des Leitprojekts:	<u>Human Centered AI Based Production Optimization</u>
Kurztitel des Leitprojekts:	HAIPrO
Österreichischer Antragsteller:	PROFACTOR GmbH (PRO)
Deutscher Antragsteller:	Karlsruher Institut für Technologie (KIT)
Projektpartner (AT und D):	<i>Firmen- bzw. Institutsname(n) (AT)</i> <ul style="list-style-type: none">• AIT Austrian Institute of Technology GmbH (AIT)• BRP-Rotax GmbH & Co KG (BRP)• Fabasoft R&D GmbH (FABA)• Fronius International GmbH (FRON)• PALFINGER Europe GmbH (PALF)• Research Industrial Systems Engineering GmbH (RISE)• Software Competence Center Hagenberg GmbH (SCCH)• TTTech Industrial Automation AG (TTTech)• Universität Salzburg (PLUS) <i>Firmen- bzw. Institutsname(n) (D)</i> <ul style="list-style-type: none">• Affective & Cognitive Institute der Hochschule Offenburg (ACI)• AUDI AG (AUDI)

	<ul style="list-style-type: none"> • AWS-Institut für digitale Produkte und Prozesse GmbH (ASWI) • MRK Systeme GmbH (MRK) • Optimum GmbH (OPTI) • Universität Stuttgart (ISW) • Vitronic (VIT)
Ausschreibungsschwerpunkt:	<input checked="" type="checkbox"/> Smarte und souveräne Nutzung von Daten für die Produktion
Beantragte Forschungskategorie:	<input type="checkbox"/> Industrielle Forschung (IF) <input type="checkbox"/> Experimentelle Entwicklung (EE) <input checked="" type="checkbox"/> Industrielle Forschung und Experimentelle Entwicklung (IF/EE)
Laufzeit des Leitprojekts:	Laufzeit von Laufzeit in Monaten [01.01.2021 - 31.12.2023] 36
Kostendarstellung:	Gesamtkosten [€]: Gesamtförderung [€]: € 7.410.331 € 4.863.844
PROJEKTZIEL: <i>Bitte stellen Sie die Ziele des Leitprojekts und die innovativen Inhalte mit max.5 aussagekräftigen Sätzen dar.</i> <p>Übergeordnetes Projektziel ist es, ein gekapseltes KI-basiertes Analyse- und Empfehlungssystem zu schaffen, dass auf Basis aggregierter Produktionsdaten (BIG DATA) und der aktuellen Mitarbeitersituation (Arbeitsbelastung und individuelle Kompetenzen) kontextsensitive Analysen und Empfehlungen generiert. Das Projekt implementiert prototypisch Daten und Technologielayer um Daten performant und flexibel im GAIA-X Ökosystem anzubieten bzw. bei der vertikalen bzw. horizontalen Prozessoptimierung aus dem GAIA-X System zu konsumieren und dabei die gewünschte lose Kopplung bei gleichzeitiger Aufrechterhaltung von Interoperabilität trotz eines dezentralen Datenmanagements methodischen und technisch sicherstellen. Zentraler Projekthalt sind Data Science bzw. Data-Driven Analytics Methoden, die es ermöglichen bei unternehmensübergreifendem bzw. mitarbeiterbezogenem Datenaustausch entstehende Vorbehalte hinsichtlich Privacy Aspekten bestmöglich zu adressieren um die Bereitschaft (auch unternehmensübergreifend) Daten zu gewährleisten. Um die entwickelte Technologie anwendungsnah bei den Industriepartnern einsetzen und hinsichtlich Work-Experience, Akzeptanz, Safety, Security, Privacy mit MitarbeiterInnen evaluieren zu können ist es erforderlich geeignete Mensch-Maschine Interfaces und Interaktionskonzepte umzusetzen, die mit persuasiver und gamification basierten Methoden sicherstellen, dass MA*innen gewillt sind Transfer Learning Daten zu generieren. Die Projektergebnisse werden in 4 unterschiedlichen Usecases auf breite Anwendbarkeit untersucht und stellen als jeweils zweistufige Demonstratoren (Labor und Industriemaßstab) Best Practice Beispiele dar die anschaulich und nachvollziehbar für weitere Interessensgruppen aufbereitet und im Rahmen von Disseminations- und Verwertungsaktivitäten einen nachhaltigen Mehrwert schaffen.</p>	

Commitment: Confirmation of the submission

Nachrichten - Detailsicht
 Ausblenden

Antworten

Weiterleiten an

Empfänger wählen...

Weiterleiten

Betreff:

Erstellt von:

Erstellt am:

Gelesen am:

Ergebnis Formalprüfung

Pacejka, Reinhard

24.08.2020 14:08

24.08.2020 14:43

Sehr geehrter Herr DI Wögerer, MSc!

Vielen Dank für Ihre Beteiligung an der Ausschreibung BIG DATA in der Produktion. Ihr Förderungsansuchen Human Centered AI Based Production Optimization ist rechtzeitig in der FFG eingegangen. In einem ersten Schritt wurden die formalen Anforderungen geprüft und festgestellt, dass Ihr Förderungsansuchen alle Anforderungen erfüllt. Ihr Ansuchen wird daher zur Begutachtung und Bewertung an die Jury weitergeleitet.

Sollte sich im Zuge der inhaltlichen Prüfung herausstellen, dass Angaben nicht richtig oder unvollständig sind, kann das Ansuchen auch noch zu einem späteren Zeitpunkt ausgeschrieben werden.

Mit freundlichen Grüßen

Reinhard Pacejka
Thematische Programme

(2) Die Vertragspartner werden sich nach besten Kräften bemühen, alle sich aus dem Vertrag ergebenden Meinungsverschiedenheiten einvernehmlich zu regeln. Die Vertragsparteien bestimmen hiermit das sachlich zuständige Gericht in St. Pölten als Gerichtsstand.

(3) Zu Fragen in den Bereichen Steuer- und Vergaberecht sind die jeweiligen Rechtsgrundlagen, Durchführungsverordnungen und Methodiken der einzelnen Mitgliedsstaaten bzw. EU-Recht zu beachten.

(4) Dieser Vertrag wird in zweifacher Ausfertigung erstellt; jeder Vertragspartner erhält ein Exemplar.

(5) Der Vertrag wird in Deutsch und Tschechisch ausgestellt. Die Fassung in der Sprache des Fördergebers ist verbindlich.

(2) Smluvní strany se budou ze všech sil snažit vyřešit veškeré, z této Smlouvy vyplývající, různosti názorů dohodou. Smluvní strany určují věcně příslušným soudem soud v St. Pöltenu.

(3) V otázkách daňové legislativy a zadávání veřejných zakázek je nutno dbát příslušných legislativních norem a navazujících prováděcích předpisů a metodik jednotlivých členských států, případně Evropské unie.

(4) Tato Smlouva je vyhotovena ve dvou stejnopisech; každý smluvní partner obdrží po jednom exempláři.

(5) Tato Smlouva je vyhotovena v českém a německém jazyce. Závazným je jazyk poskytovatele dotace.

St. Pölten, am
V St. Pöltenu dne

INTERREG V-A ÖSTERREICH -
TSCHIECHISCHE REPUBLIK
17. Nov. 2021

Ort, Datum

Místo, datum *Jihlava, 30.11.2021*

Für den Fördergeber:
Za poskytovatele dotace:
NÖ Landesregierung
Im Auftrag



Verwaltungsbehörde / Řídící orgán

(Name/ jméno: Martin Kavalek)

Anhänge / Přílohy:

Anhang./A: Projektantrag
Příloha ./A: Projektová žádost

Für den FN:
Za příjemce dotace:

Vysoká škola polytechnická Jihlava
Tolstého 16
586 01 Jihlava
14

.....

(Name/ jméno:)

prof. MUDr. Václav Bažant, Ph.D.



Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 6

Partner projektu 6

FOTEC Forschungs- und Technologietransfer GmbH

HELMUT LOIBL, GF

Name des zeichnungsberechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu



FOTEC
Forschungs- und Technologietransfer GmbH
Viktor Kaplan-Str. 2 | 2700 Wiener Neustadt | Austria
office: +43 2622 9033 0

Stempel, Unterschrift
Podpis a pečiatka

Datum, Ort
Dátum, miesto

WN, 24. 11. 2020

gegengezeichnet
proti-ľahané



Stempel, Unterschrift
Podpis a pečiatka
Lead Beneficiary

24.11.2020, Wien

Datum, Ort
Dátum, miesto



Interreg

Slovakia-Austria

European Regional Development Fund



Beilage 2 zum Förderantrag

Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 7

Partner projektu 7

Forschung Burgenland GmbH

DI Marcus Keding, Geschäftsführer

Name des zeichnungs-berechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu

Forschung Burgenland GmbH

A-7000 Eisenstadt, Campus 1

Tel.: 05 7705 5400

Fax: 05 7705 1199

Stempel, Unterschrift

Podpis a pečiatka

26.11.2020, Eisenstadt

Datum, Ort

Dátum, miesto

gegengezeichnet

proti-ľahané



Stempel, Unterschrift

Podpis a pečiatka

Lead Beneficiary

26.11.2020, Wien

Datum, Ort

Dátum, miesto



Interreg

Slovakia-Austria

European Regional Development Fund



Beilage 2 zum Förderantrag

Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 4

Partner projektu 4

ÚMMS SAV

Ing. Karol Iždinský, CSc.

Name des zeichnungs-berechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu

Inštitút materiálov a mechaniky strojov

Slovenská akadémia vied

Dúbravská cesta 9/6319

845 13 Bratislava

- 2 -

26.11.2020, Bratislava

Stempel, Unterschrift

Podpis a pečiatka

Datum, Ort

Dátum, miesto

gegengezeichnet

svojím podpisom potvrdzuje

INDUSTRIE 4.0
Plattform für intelligente Produktion
ZVR-Zert. 899035322
Mariahilfer Straße 37-39 | 1060 Wien
T +43 1 588 39 75
office@plattformindustrie40.at

26.11.2020, Wien

Stempel, Unterschrift

Podpis a pečiatka

Lead Beneficiary

Datum, Ort

Dátum, miesto



Interreg

Slovakia-Austria

European Regional Development Fund



Beilage 2 zum Förderantrag

Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 3

Partner projektu 3

National Centre of Robotics

PROF. ING. FRANTIŠEK DUCHOŇ, PH.D.

Name des zeichnungs-berechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu



Národné centrum
robotiky, o.z.
Ilkovičova 3, 812 19 Bratislava
IČO: 42365040
DIČ: 2024155716

Stempel, Unterschrift

Podpis a pečiatka

25.11.2020 BRATISLAVA

Datum, Ort

Dátum, miesto

gegengezeichnet

svojím podpisom potvrdzuje



Stempel, Unterschrift

Podpis a pečiatka

Lead Beneficiary

25.11.2020, Wien

Datum, Ort

Dátum, miesto



Interreg

Slovakia-Austria

European Regional Development Fund



Beilage 2 zum Förderantrag

Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 1

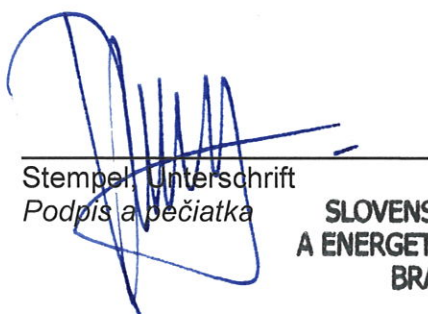
Partner projektu 1

Slovenská inovačná a energetická agentúra

Ing. Peter Blaškovič

Name des zeichnungs-berechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu



Stempel, Unterschrift
Podpis a pečiatka

**SLOVENSKÁ INOVAČNÁ
A ENERGETICKÁ AGENTÚRA
BRATISLAVA**
-1010- ②

23.11.2020, Bratislava

Datum, Ort
Dátum, miesto

gegengezeichnet
svojím podpisom potvrdzuje



Stempel, Unterschrift
Podpis a pečiatka
Lead Beneficiary

23.11.2020, Wien

Datum, Ort
Dátum, miesto

Erstellt am 23. November 2020 in Wien.

Vyhotovené dňa 23. november 2020 v Viedeň.

Für den Projektpartner 2

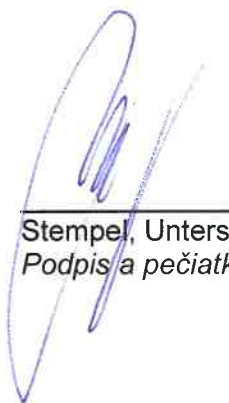
Partner projektu 2

Združenie inteligentného priemyslu – Industry4UM

Ing. Martin Morháč, predseda predstavenstva

Name des zeichnungs-berechtigten Vertreters

Meno zástupcu oprávneného k podpisovaniu

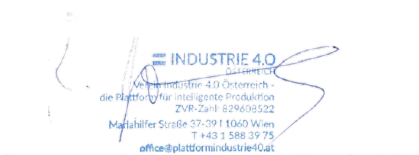


Stempel, Unterschrift
Podpis a pečiatka

24.11.2020, Bratislava

Datum, Ort
Dátum, miesto

gegengezeichnet
svojím podpisom potvrdzuje



INDUSTRIE 4.0
Austrian
Veranstaltung für 4.0 Österreich -
die Plattform für intelligente Produktion
ZVR-Zahl: 8296/95522
Marschallergasse 37-39 | 1060 Wien
T +43 1 588 39 75
office@plattformindustrie.at

Stempel, Unterschrift
Podpis a pečiatka
Lead Beneficiary

24.11.2020, Wien

Datum, Ort
Dátum, miesto

LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned Prof. Dr. Welf-Guntram Drossel, Head of the Professorship Adaptronics and Lightweight Design (in Production) of the Technical University Chemnitz, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.


In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we commit to play a monitoring role to make sure that expected outputs and results (e.g. the planned methodologies, the addressed technologies, the broad access to target groups and stakeholders, the foreseen long-term market focus) of the project are seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

The activities will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms, which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

Chemnitz, 21.02.2022

 **Institut für Werkzeugmaschinen
und Produktionsprozesse
Technische Universität Chemnitz
09107 Chemnitz**

Official stamp of the supporting organization
Signature of the legal representative

LETTER OF COMMITMENT

To help grow advanced manufacturing and industry 4.0 in Central Europe CEUP2030

Hereby the undersigned smart³ e.V. and its the legal representation, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

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- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms, which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

Bautzen, 14.02.2022



Official stamp of the supporting organization
Signature of the legal representative



futureSAX – die Innovationsplattform des Freistaates Sachsen | futureSAX GmbH
Anton-Graff-Str. 20 | 01309 Dresden

Fraunhofer-Institut für Werkzeugmaschinen
und Umformtechnik IWU
Prof. Welf-Guntram Drossel
Nöthnitzer Straße 44
01187 Chemnitz

Dresden, 30. Januar 2022

Letter of Intent: Contribution as Strategic Board Member in Interreg-Project "Smart Circuit"

Dear Professor Drossel,

we welcome your initiative in the Interreg project "Smart Circuit".

We endorse your approach to increase innovation in Saxony and growth in the region by supporting SMEs to integrate digital and circular principles into their business and to bring together the necessary stakeholders for cooperation

futureSAX - the innovation platform of the Free State of Saxony - is an enterprise, initiated by the Saxon State Ministry of Economics, Labor and Transport. Through a variety of measures, futureSAX provides growth impulses for sustainable innovations, networks innovators from business and science as well as investors across sectors and increases the efficiency of innovation processes.

We are therefore happy to support your project "Smart Circuit" and are pleased to be able to contribute as a "Strategic Board Member". As a multiplier, we share relevant information from the project in the futureSAX network, identify starting points for joint measures and support them.

futureSAX –
die Innovationsplattform des
Freistaates Sachsen

📍 futureSAX GmbH
Anton-Graff-Str. 20
01309 Dresden

☎ +49 351 79 99 79 79
📠 +49 351 79 99 79 80
✉ info@futuresax.de
🌐 www.futuresax.de



Gesellschafter
Freistaat Sachsen,
Wirtschaftsförderung
Sachsen GmbH

Geschäftsführerin
Marina Heimann

Sitz der Gesellschaft
Dresden

HRB Nr. 37183
Amtsgericht Dresden
USt-IdNr. DE315091301

futureSAX ist ein Unternehmen des Freistaates Sachsen und wird finanziert mit Steuermitteln auf Grundlage des von den Abgeordneten des Sächsischen Landtags beschlossenen Haushaltes.

STAATSMINISTERIUM
FÜR WIRTSCHAFT
ARBEIT UND VERKEHR





For this purpose, futureSAX is going to:

- participate in virtual committee meetings
- make the project visible on its homepage as part of the presentation of knowledge and technology transfer projects,
- open its network of more than 9.000 contacts and enable exchange with the project's stakeholders.

We would like to point out that we intend to participate as an associated partner and that this "Letter of Intent" is not legally binding for the conclusion of a (cooperation) contract. Rather, both parties have the right to refrain from further negotiations. We are looking forward to a successful cooperation.

With kind regards

i.A.

ppa. S. Blv

Marina Heimann
Managing Director

futureSAX ist ein Unternehmen des Freistaates Sachsen und wird finanziert mit Steuermitteln auf Grundlage des von den Abgeordneten des Sächsischen Landtags beschlossenen Haushaltes.

STAATSMINISTERIUM
FÜR WIRTSCHAFT
ARBEIT UND VERKEHR



Fraunhofer-Institut für Werkzeugmaschinen und
Umformtechnik IWU
Nöthnitzer Straße 44
01187 Dresden

Prof. Dr. Ralph Sonntag

Telefon: +49 351 462-3531
Fax: +49 351 462-2762
E-Mail: sonntag@htw-dresden.de

Seine Nachricht vom

Sein Zeichen

Unser Zeichen

Datum
17.02.2022

LETTER OF COMMITMENT

To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030



Hereby the undersigned Prof. Dr. Ralph Sonntag, Dean of Faculty Business Administration of the HTW University of Applied Sciences Dresden, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help them in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we commit to play a monitoring role to make sure that expected outputs and results (e.g. the planned methodologies, the addressed technologies, the broad access to target groups and stakeholders, the foreseen long-term market focus) of the project are seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

The activities will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms, which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.


Prof. Dr. Ralph Sonntag
Dean Faculty Business Administration

**Ralph
Sonntag**
Digital unterschrieben
von Ralph Sonntag
Datum: 2022.02.18
17:12:10 +01'00'

Flagship Name

Next4Fun

Application forms

Call: HORIZON-MSCA-2021-DN-01

(MSCA Doctoral Networks 2021)

Topic: HORIZON-MSCA-2021-DN-01-01

Type of Action: HORIZON-TMA-MSCA-DN

Proposal number: 101073103

Proposal acronym: Next4Fun

Type of Model Grant Agreement: HORIZON Unit Grant

Table of contents

Section	Title	Action
1	General information	
2	Participants	
3	Budget	
4	Ethics and security	

List of Participants

Application forms

Proposal ID **101073103**

Acronym **Next4Fun**

2 - Participants

List of participating organisations

#	Participating Organisation Legal Name	Country	Action
1	KARLSRUHER INSTITUT FUER TECHNOLOGIE	DE	
2	TECHNISCHE UNIVERSITEIT DELFT	NL	
3	KUNGLIGA TEKNISKA HOEGSKOLAN	SE	
4	UNIVERSITE DU LUXEMBOURG	LU	
5	UNIVERSITE D'AIX MARSEILLE	France	
6	UNIVERSITA DEGLI STUDI DI PADOVA	IT	
7	Quantica GmbH	DE	
8	TIGER Coatings	AT	
9	NOTION SYSTEMS GMBH	DE	
10	SENSOFAR-TECH SL	ES	

Submission and Commitment Confirmation



This electronic receipt is a digitally signed version of the document submitted by your organisation. Both the content of the document and a set of metadata have been digitally sealed.

This digital signature mechanism, using a public-private key pair mechanism, uniquely binds this eReceipt to the modules of the Funding & Tenders Portal of the European Commission, to the transaction for which it was generated and ensures its full integrity. Therefore a complete digitally signed trail of the transaction is available both for your organisation and for the issuer of the eReceipt.

Any attempt to modify the content will lead to a break of the integrity of the electronic signature, which can be verified at any time by clicking on the eReceipt validation symbol.

More info about eReceipts can be found in the FAQ page of the Funding & Tenders Portal.

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq>

Flagship Name

BioSAM

Application forms

Call: HORIZON-MSCA-2021-DN-01

(MSCA Doctoral Networks 2021)

Topic: HORIZON-MSCA-2021-DN-01-01

Type of Action: HORIZON-TMA-MSCA-DN

Proposal number: 101072999

Proposal acronym: BioSAM

Type of Model Grant Agreement: HORIZON Unit Grant

Table of contents

Section	Title	Action
1	General information	
2	Participants	
3	Budget	
4	Ethics and security	

List of Participants:

Application forms

Proposal ID **101072999**

Acronym **BioSAM**

2 - Participants

List of participating organisations

#	Participating Organisation Legal Name	Country	Action
1	THE UNIVERSITY OF BIRMINGHAM	United Kingdom	
2	UNIVERZA V LJUBLJANI	SI	
3	KARLSRUHER INSTITUT FUER TECHNOLOGIE	DE	
4	THE MANUFACTURING TECHNOLOGY CENTRE LIMITED	UK	
5	KATHOLIEKE UNIVERSITEIT LEUVEN	Belgium	
6	RAZVOJNI CENTER ORODJARSTVA SLOVENIJE	SI	
7	SIEMENS INDUSTRY SOFTWARE NV	BE	
8	Leuven Air Bearings NV	BE	
9	CAP - CENTER ZA APLIKATIVNE POLIMERE DOO	SI	
10	HELIOS TOVARNA BARV, LAKOV IN UMETNIH SMOL KOLICEVO DOO	SI	
11	Touchlab Limited	UK	
12	FORMATEC TECHNICAL CERAMICS BV	NL	
13	LASER ENGINEERING APPLICATIONS SA	BE	
14	Apium Additive Technologies GmbH	DE	
15	Quantica GmbH	DE	

Submission and Commitment Confirmation



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(<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq>)

LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned Saverio Maisto, Managing Director of **COMET – Cluster Metalmeccanica FVG**, confirms that our organization appreciates the project CEUP2030 as a significant contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support the achievements and the follow-up of the project.

In particular, one of CEUP2030 objectives was to promote the ideation and development of new flagships projects related on the 4 CAMI4.0 topics (Intelligent Production System, Artificial Intelligence, Smart Materials and Automation & Robotics).


Considering our role and expertise on advanced manufacturing solutions and technologies brokering we are interested in a joint transnational Strategy and joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we are interested in project results (e.g. the developed methodologies, the addressed technologies, the broad access to target groups and stakeholder), seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

The collaboration will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

Pordenone, Apr 11th, 2022



CLUSTER METALMECCANICA FRIULI VENEZIA GIULIA
Via Roveredo, 20/B – 33170 Pordenone
P.I./C.F. 01595440932
Tel. 0434.241071 – info@clustercomet.it

Official stamp of the supporting organization
Signature of the legal representative

LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned Patrick Vuillermoz, General manager, the legal representative of POLYMERIS, confirms that our organization appreciates the project CEUP2030 as a significant contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support the achievements and the follow-up of the project.

In particular, one of CEUP2030 objectives was to promote the ideation and development of new flagships projects related on the 4 CAMI4.0 topics (Intelligent Production System, Artificial Intelligence, Smart Materials and Automation & Robotics). Considering our role and expertise on advanced materials and polymer manufacturing, we are interested in a joint transnational Strategy and joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we are interested in project results (e.g. the developed methodologies, the addressed technologies, the broad access to target groups and stakeholder), seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

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Oyonnax, 29th of April 2022

Patrick VUILLERMOZ
General Manager



Official stamp of the supporting organization
Signature of the legal representative

LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned, Stefania Amadio, the legal representative of STAM Srl, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

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The activities will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

Genoa, 08/04/2022



Official stamp of the supporting organization
Signature of the legal representative

LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned Davide Anghinolfi, CEO, the legal representative of IROI srl, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

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Genova, 8/4/2022


IROI S.r.l.
P.IVA: 01945120994

Official stamp of the supporting organization
Signature of the legal representative

Technologie- und Gründerzentrum Bautzen GmbH

Herrn Michael Paduch

-Geschäftsführer-

Preuschwitzer Straße 20

02625 Bautzen

16. Februar 2022

LETTER OF INTENT

für den Projektantrag

GREENE 4.0"

Sehr geehrter Herr Paduch,

hiermit bestätigen wir, das Mittelstand 4.0-Kompetenzzentrum Cottbus, unser Interesse an der Mitwirkung am Projekt **GREENE 4.0**, das im Rahmen des Interreg Central Europe-Programmes 2021-2027 im ersten Projektaufruf, von dem Technologiepark Pomurje aus Murska Sobota (Slowenien) formal beantragt wird.


Das Mittelstand 4.0-Kompetenzzentrum Cottbus wurde gegründet, um die digitale Kompetenz kleiner und mittlerer Unternehmen in Brandenburg und Lausitz zu fördern. Dabei stehen die Mitarbeiter und die Erhöhung ihrer digitalen Kompetenzen im Mittelpunkt der Aktivitäten. Zu diesem Zweck sind modulare (Qualifizierungs-) Angebote entwickelt worden, die Unternehmen beim Einsatz von digitalen Lösungen helfen. Insofern sollten wir die gemeinsamen Potenziale nutzen und sind, unter der Voraussetzung der Bewilligung Ihres Förderantrages, bereit am Projekt als assoziierter Partner mitzuwirken. Dazu gehört insbesondere die Teilnahme an Aktivitäten, die von der TGZ Bautzen GmbH zur Unterstützung von Unternehmen organisiert werden, die Verbreitung der Projektergebnisse bei lokalen Unternehmen, vorzugsweise KMU, und weiteren Interessengruppen, die Ansprache von Akteuren auf politischer Ebene und die Verbreitung des Projekts. Darüber hinaus werden wir unsere Teilnahme an den geplanten Projekt-Veranstaltungen prüfen, um unser Wissen einzubringen. Die aufgeführten Aktivitäten erbringen wir freiwillig und können unsere Bereitschaft zur Mitwirkung jederzeit widerrufen.

Das Mittelstand 4.0-Kompetenzzentrum Cottbus wird die im Zusammenhang mit der Ausarbeitung des Projektantrages erhaltenen Informationen nicht an Dritte weitergeben und diese nicht für andere Zwecke verwenden.

Wir sind der Ansicht, dass die Projektidee mit den Zielen und Bestrebungen zur Verbesserung unserer regionalen Wirtschaft und Gesellschaft übereinstimmt und mit den Strategien unserer Regionalpolitik vereinbar ist.

Wir freuen uns auf eine erfolgreiche Zusammenarbeit.

Mit freundlichen Grüßen



Grit Rehe

Leiterin Mittelstand 4.0-Kompetenzzentrum

Cottbus | Wildau | Eberswalde | Frankfurt(O.)

Interreg CENTRAL EUROPE
1st Call for Applications
Timeline: 15 November 2021 – 23 February 2022

Letter of Support
for GREENE 4.0 project actions and durability

Impact Hub Tirol, as the SETup GmbH, hereby expresses its support to the project “Smart and Green Innovation Approaches for scaling up digital transformation opportunities in CE” (GREENE 4.0) led by Pomurje Technology Park from Slovenia and its application for funding from the Interreg CENTRAL EUROPE Programme 2021-2027.

We hereby confirm:

- that we were informed about the preparation of the above-mentioned project,
- that the topic tackled by this project is in line with our organisation’s policy and action,
- that we will engage with the stakeholder group and welcome opportunities for exchanging experiences with other institutions in Europe,
- that we will consider possibilities for implementation and durability of project actions

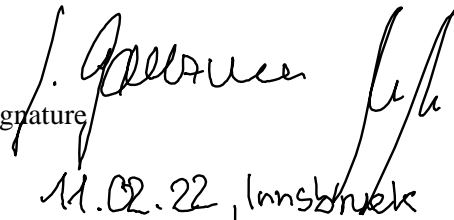
We also confirm that we will support and contribute to:

- *Piloting and testing the approaches/methods for users/target groups acceptance regarding digitaltransition*
- *Development, testing and deliver training programs*
- *Designing a pilot proof-of-concept program*
- *Networking and matching green & digital innovative solutions seekers (focus on manufacturing) with solution providers from the region*
- *Mentoring and coaching for product development of concepts that were proofed*
- *Designing and establishing Regional Digital Transformation Site for product development, testing and validation*
- *Piloting and testing in industrial/working environment*
- *Validation with users (MVP phase)*
- *Designing and implementing investors pitching program for companies that achieved an MVP*
- *Pilot action for networking and improving cooperation between companies at regional and cross-border level*

- *Interregional learning workshops*
- *Transnational seminars for capitalization of Open Knowledge Box for Digital Transformation*
Good practices and knowledge transfer through transnational learning Camps
- *Process of transferring piloted programs to Regional Development Agency as resources for supporting smart specialization strategies – for .eg proof of concept program, testing and validation program (MVP stage), internationalization program etc as funding programs from structural EU funds and national funds for assuring sustainability, replication and transfer of project results and outputs with positive results on scaled up companies – medium and long term*

The application demonstrates good potential to become a high quality project. The objective of the envisaged project is important in realising the overall objectives of our region.

In case the project is funded by the Interreg CENTRAL EUROPE Programme 2021-2027, we will follow its implementation and support it in achieving the planned results, durability and disseminate project's results.

Signature A handwritten signature in black ink, appearing to read "A. Auer".

Date, place

Contact details alex.auer@impacthub.net



Interreg CENTRAL EUROPE
1st Call for Applications
Timeline: 15 November 2021 – 23 February 2022

Letter of Support
for GREENE 4.0 project actions and durability

The Regional Development Agency of Ústí Region, PLC, as the Private Body/Body governed by public law, in the role of the associated partner, hereby expresses its support to the project “Smart and Green Innovation Approaches for scaling up digital transformation opportunities in CE” (GREENE 4.0) led by Pomurje Technology Park from Slovenia and its application for funding from the Interreg CENTRAL EUROPE Programme 2021-2027.

We hereby confirm:

- that we were informed about the preparation of the above-mentioned project,
- that the topic tackled by this project is in line with our organisation’s policy and action,
- that we will engage with the stakeholder group and welcome opportunities for exchanging experiences with other institutions in Europe,
- that we will consider possibilities for implementation and durability of project actions

We also confirm that we will support and contribute to:

- Joint analysis regarding the users/consumers main perceptions and attitudes regarding digital transition (acceptance, engagement, and implementation)
- Piloting and testing the approaches/methods for users/target groups acceptance regarding digital transition
- Networking and matching green & digital innovative solutions seekers (focus on manufacturing) with solution providers from the region
- Piloting and testing in industrial/working environment
- Process of transferring piloted programs to Regional Development Agency as resources for supporting smart specialization strategies – for .eg proof of concept program, testing and validation program (MVP stage), internationalization program etc as funding programs from structural EU funds and national funds for assuring sustainability, replication and transfer of project results and outputs with positive results on scaled up companies – medium and long term.

The application demonstrates good potential to become a high quality project. The objective of the envisaged project is important in realising the overall objectives of our region.

In case the project is funded by the Interreg CENTRAL EUROPE Programme 2021-2027, we will follow its implementation and support it in achieving the planned results, durability and disseminate project's results.

Signature



Date, place

February 16th, 2022, in Ústí nad Labem

Contact details

Mr. Barnabáš Krešne, director
Regionální rozvojová agentura Ústeckého kraje, a.s.
Velká Hradební 3118/48, 400 02 Ústí nad Labem, Czech Republic
kresne@rra.cz, tel. +420 733 590 145

Interreg CENTRAL EUROPE
1st Call for Applications
Timeline: 15 November 2021 – 23 February 2022

Letter of Support
for GREENE 4.0 project actions and durability

Tyrol Chamber of Commerce - Kufstein District Office, as the associate partner hereby expresses its support to the project "Smart and Green Innovation Approaches for scaling up digital transformation opportunities in CE" (GREENE 4.0) led by Pomurje Technology Park from Slovenia and its application for funding from the Interreg CENTRAL EUROPE Programme 2021-2027.

We hereby confirm:

- that we were informed about the preparation of the above-mentioned project,
- that the topic tackled by this project is in line with our organisation's policy and action,
- that we will engage with the stakeholder group and welcome opportunities for exchanging experiences with other institutions in Europe,
- that we will consider possibilities for implementation and durability of project actions

We also confirm that we will support to:

- *Networking and matching green & digital innovative solutions seekers (focus on manufacturing) with solution providers from the region*
- *Designing and implementing investors pitching program for companies that achieved an MVP*
- *Pilot action for networking and improving cooperation between companies at regional and cross-border level*
- *Interregional learning workshops*
- *Transnational seminars for capitalization of Open Knowledge Box for Digital Transformation*
- *Good practices and knowledge transfer through transnational learning Camps*

The application demonstrates good potential to become a high quality project. The objective of the envisaged project is important in realising the overall objectives of our region. In case the project is funded by the Interreg CENTRAL EUROPE Programme 2021-2027, we will follow its implementation and support it in achieving the planned results, durability and disseminate project's results.

2nd February 2021, Kufstein



Contact details

MMag. Peter Wachter, LL.M.
District Office Manager, Tyrol Chamber of Commerce
Kufstein District Office
Tel: +43 5 90 905 3316
E-Mail: peter.wachter@wktiro.at



LETTER OF COMMITMENT
To help grow advanced manufacturing and industry 4.0 in Central Europe
CEUP2030

Hereby the undersigned **Jasmin Kuček, director**, the legal representative of **BISTRA HIŠA Martjanci – SMART HOUSE Martjanci**, confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we commit to play a monitoring role to make sure that expected outputs and results (e.g. the planned methodologies, the addressed technologies, the broad access to target groups and stakeholders, the foreseen long-term market focus) of the project are seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

The activities will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

Martjanci, 26.04.2022

Official stamp of the supporting organization
Signature of the legal representative

BISTRA HIŠA, Zavod za raziskovanje in trajnostni razvoj Martjanci
SMART HOUSE, Institution for research and sustainable development Martjanci



Martjanci 36, SI - 9221 Martjanci, Slovenija / Slovenia
☎ +386 (0)2 538-16-64 ☎ ++386 (0)2 538-13-55 ✉ info@smarthouse.si

ID št. za DDV: **SI 81184085** - Zavod je davčni zavezanec / identificiran za namene DDV!
Transakcijski račun: **6100 0001 2508 982** Banka: Delavska hranilnica d.d.

Matična številka: 1930613

Sodišče vpisa:
Okrožno sodišče v Murski Soboti
Št. vložka: 1/02805/00

Osnovni kapital: 0,00 EUR
Šifra dejavnosti: 75.130

Szombathely2030 Program
- Együttműködési megállapodás -

PREAMBULUM

Szombathely Megyei Jogú Város Önkormányzata széles körű szakmai együttműködésben elkészítette a 2021-2030. közötti, 10 éves gazdaságfejlesztési programját **Szombathely2030 - A válságálló tudásgazdaság megteremtéséért** címmel. A program az abban megfogalmazott általános jövőképhez illeszkedik, ezen túlmenően azonban konkrét fejlesztési programot, cselekvési tervet is meghatároz. „Válságálló, minőségi munkahelyek megteremtése révén Szombathely vonzó célpontja a meglévő vállalkozások fejlesztéseinek, illetve új vállalkozások megtelepülésének” - ezt a célját úgy éri el, hogy egyszerre mozdítja elő a már betelepült, főleg gépipari, azon belül autóipari vállalkozások rugalmas szerkezetváltását és új, elsősorban egészségipari munkahelyek létrejöttét. Tudatos oktatási, képzési és kutatás-fejlesztési orientációjával pedig ösztönzi a fenti folyamatot, egyúttal segítve a helyi munkavállalók képzését és átképzését.

Szombathely célja az ipari több lábon állás jelentette biztonság erősítése mellett a környezeti fenntarthatóságra törekvés, a környezettudatos és intelligens megközelítésre épülő innovatív lehetőségek hasznosítása, és a több irányból érkező fejlesztési források aktív felhasználása úgy, hogy mindez Szombathely város harmonikus fejlődését eredményezze és a városban élők életminőségének javítását szolgálja.

A programalkotás során kialakított gazdaságfejlesztési elképzeléseket széles körű véleményformálás követte mind a társadalmi, mind a gazdasági, képzési szereplők részéről. A létrejött Szombathely2030 Program a lakossági életszínvonalat erősítő gazdasági értékteremtés magasabb szintjét, az ipari több lábon állást, valamint a zöld, intelligens város célját és eszközeit fogalmazza meg. Olyan, egymást erősítő programelemek sorozata, mely alkalmas arra, hogy a tervezett finanszírozási forrásokkal és határidőkkel kijelölje a következő évtized városi fejlődési pályáját.

1. Az Együttműködés

Jelen Együttműködési megállapodás (a továbbiakban Megállapodás) aláírásával a 2. pontban meghatározott szerződő felek együttműködnek a „Szombathely2030 Program” (a továbbiakban Program) megvalósítására. A megvalósítás érdekében figyelemmel kísérik a pályázati lehetőségeket, az Együttműködés tagjai közös döntés alapján pályázatot nyújtanak be, és a pályázat támogatása esetén az abban foglalt pályázati célt közös együttműködéssel megvalósítják.

2. Az Együttműködés tagjai (továbbiakban: Tagok):

Szombathely Megyei Jogú Város Önkormányzata

Postacím: 9700 Szombathely, Kossuth Lajos u. 1-3.
Azonosító szám (törzs-szám/cégjegyzékszám): 733656
Adószám: 15733658-2-18
Aláírásra jogosult polgármester: Dr. Nemény András
Számlavezető pénzintézet neve: Unicredit Bank Hungary Zrt.
Számlaszám: 10918001-00000003-25300036

Pannon Gazdasági Hálózat Egyesület (továbbiakban PBN)

Központi iroda és postacím: 9700 Szombathely, Zanati út 32-36.
Székhely: 9027 Győr, Gesztenyefa utca 4.
Azonosító szám (törzs-szám/cégjegyzékszám): 61934
Adószám: 18984303-2-08
Aláírásra jogosult képviselője: Dr. Barta Balázs
Számlavezető pénzintézet neve: Takarékbank Zrt.
Számlaszám: 18203198-06013691-40010010

Eötvös Loránd Tudományegyetem (továbbiakban ELTE)

Központi iroda és postacím: 1053 Budapest, Egyetem tér 1-3.
Székhely: 1053 Budapest, Egyetem tér 1-3.
Azonosító szám (törzs-szám/cégjegyzékszám/alapító okirat száma):
KVFO/109754/2020-ITM
Adószám: 15308744-2-41
Aláírásra jogosult képviselője: Prof. Dr. Borhy László akadémikus rektor, valamint Dr. Scheuer Gyula kancellár
Számlavezető pénzintézet neve: Magyar Államkincstár 1139 Váci út 71.
Számlaszám: 10032000-01426201-00000000

Pécsi Tudományegyetem (továbbiakban PTE)

Postacím: 7622 Pécs, Vasvári Pál u. 4.
Intézményi azonosító: FI58544
Adószám: 19308681-2-02
Aláírásra jogosult képviselője: Prof. Dr. Miseta Attila János rektor, Decsi István kancellár
Számlavezető pénzintézet neve: OTP Bank Nyrt.
Számlaszám: 117731001-23135378

Óbudai Egyetem

Székhely: 1034 Budapest, Bécsi út 96/b
Intézményi azonosító szám: FI 12904
Adószám: 19308760-2-41
Aláírássra jogosult képviselője: Prof. Dr. Kovács Levente rektor
Számlavezető pénzüintézet neve: MKB Bank Nyrt.
Számlaszám: 10300002-13268139-00014901

Vas Megyei Kereskedelmi és Iparkamara (továbbiakban VMKIK)

Központi iroda és postacím: 9700 Szombathely, Honvéd tér 2.
Székhely: 9700 Szombathely, Honvéd tér 2.
Azonosító szám (törzs-szám/cégjegyzékszám): 0018883240
Adószám: 18883240218
Aláírássra jogosult képviselője: Kovács Vince
Számlavezető pénzüintézet neve: OTP Bank
Számlaszám: 11747006 - 20176620

KTI Közlekedéstudományi Intézet Nonprofit Kft. (továbbiakban KTI)

Székhely: 1119 Budapest, Than Károly u. 3-5.
Fióktelep neve és postacím: KTI Északnyugat-magyarországi Közlekedésszervező Iroda
9700 Szombathely, Fő tér 6. 1. em. 9701 Pf.: 404
Azonosító szám (törzs-szám/cégjegyzékszám): 01-09-890710
Adószám: 21925221-2-43
Aláírássra jogosult képviselője: Schváb Zoltán Gábor ügyvezető
Számlavezető pénzüintézet neve: Magyar Államkincstár
Számlaszám: 10032000-00287584-00000017

3. Az Együttműködés célja

Az Együttműködés célja, hogy a Programban megfogalmazott célkitűzésekhez igazodó tevékenységeket közösen megvalósítsa annak érdekében, hogy Szombathely a következő évtizedben új fejlődési pályára álljon, és a tudásgazdaság társadalmi és gazdasági értékévé legyen. Az aláírók elkötelezik magukat a közösen megalkotott program és cselekvési terv mellett.

4. A tagok kompetenciája és tervezett hozzájárulása a célok eléréséhez

A jelen Megállapodás aláírásával a Tagok kötelezettséget vállalnak arra, hogy egyeztetett módon a Programban foglaltakat megvalósítják, annak felülvizsgálatáról, előrehaladásáról rendszeres egyeztetést tartanak, és a sikeres megvalósítás érdekében együttműködnek.

Szombathely Megyei Jogú Város Önkormányzatának stratégiai célja a lakosság életszínvonal-növekedéséhez történő aktív hozzájárulás, a lakosság és az érintett

intézményi, piaci szereplők bevonása, a hazai és nemzetközi források mobilizálása, a Program céljaival és eszközrendszerével összhangban. Amennyiben a gyakorlati megvalósításhoz rendelkezik erőforrásokkal, úgy azokat külön döntés alapján mobilizálja, az Együttműködés céljainak eléréséhez rendeli.

A PBN Nyugat-Dunántúl vezető gyártásdigitalizációra fókuszáló kutató-fejlesztő szervezete. A PBN saját eszközparkkal, országos vállalkozói ügyfélkörrel, gyártó közép vállalati fókusszal és képzett munkatársakkal rendelkezik. Nemzetközi kapcsolatrendszere révén már sikeresen kiépített együttműködések külföldi digitális innovációs központokkal, és ennek lokális értéké formálásában közreműködik az Együttműködés tagjaival.

Az ELTE Savaria Egyetemi Központ (a továbbiakban ELTE SEK) kiemelkedő szereplője a regionális pedagógusképzésnek, illetve meghonosítója a szombathelyi gépészmérnök képzésnek, valamint magas színvonalú képzést nyújt a gazdaság, sport- és egészség, pszichológia és informatikai tudományterületeken egyaránt. Az ELTE SEK olyan módszertani központot hoz létre, mely az oktatás és képzés XXI. századi elvárásainak és lehetőségeinek maximálisan meg fog felelni, egyúttal hozzájárulva a Program célkitűzéseinek megvalósulásához.

A PTE Egészségtudományi Kar Szombathelyi Képzési Központ mindamellett, hogy egyre progresszívebben vesz részt a sporttudomány elméleti és gyakorlati fejlesztésében, a Nyugat-Dunántúl első számú egészségügyi szakember-utánpótlását biztosítja, egyúttal számos egészségügyi innovációt – különös tekintettel a robotizált ápolásra, okoseszköz fejlesztésre, szimulációs terekre, valamint a virtuális valóságot a sportolói kihívások kapcsán alkalmazó fejlesztésre – valósít meg. A program során ezen szegmensek fejlesztésére összpontosít.

Az Óbudai Egyetem a hazai mérnökképzés egyik meghatározó szereplője, kiemelten robotika, mesterséges intelligencia technológiai, valamint egészségipari ágazati fókusszal. Az Óbudai Egyetem vezetése nyitott és elkötelezett az egészségipar hazai széleskörű megerősítése mellett, és aktív szerepet vállal a Program végrehajtásában.

A KTI a megye logisztikával, közlekedéssel, útfejlesztésekkel kapcsolatos stratégiai szereplője. A fenntartható közlekedésszervezés, a környezetbarát modalitásokkal kapcsolatos beruházások és fejlesztések elősegítése a KTI hozzájárulása a Program megvalósításához.

A VMKIK valamennyi regisztrált vállalkozás számára nyújt szolgáltatásokat, napi kapcsolatban van velük. A szakképzés, a duális képzések, a gazdaságfejlesztés, vállalkozásindítás, vállalkozói tanácsadás és a pályaorientáció területén megyei koordinatív szerepet játszik, elsősorban ezeken a területeken tud hozzájárulni a Program megvalósításához.

Felek megállapodnak továbbá, hogy a jelen megállapodásba foglalt minden olyan kötelezettség esetén, mely a jóhiszemű együttműködésen túlmutat, külön megállapodást kötnek, melyben részletesen meghatározzák a pénzügyi, humán erőforrásbeli és egyéb megjelenő terhekkel kapcsolatos kötelezettségvállalások részletes eloszlását.

5. A célok megvalósítása

A Programban megfogalmazott célkitűzések elérése érdekében, a tevékenységek megvalósítása céljából a Tagok egyedi fejlesztési részprojekteket dolgoznak ki, támogatási kérelmeket nyújtanak be, majd a támogatandó fejlesztéseket végrehajtják. A Program 2030-ig terjedő időszakra fogalmaz meg tevékenységeket.

A projektek szempontjából releváns pályázati felhívások feltételeinek ismeretében a pályázatok elkészítésében és benyújtásában a Tagok együttműködnek.

Szombathely Megyei Jogú Város Önkormányzata, mint az Együttműködés koordinálásáért felelős tag, egyezteteti az esetleges projektjavaslatokat a tevékenységek végrehajtásának lépéseit, módját, az esetleges projektjavaslatokat a Program megvalósítása érdekében.

A tagok között az esetleges konkrét együttműködések részletei külön megállapodásokban kerülnek lefektetésre.

6. További támogató partnerek

A tagok megállapodnak abban, hogy céljuk az Együttműködés tagjainak bővítése. Az együttműködés nyitott, sőt további szereplőket kíván bevonni a területileg releváns szereplők közül. Az új partnerek támogató nyilatkozat formájában tudják érvényre juttatni partnerségi szándékukat.

7. Pénzügyi kötelezettségek

Az Együttműködés tagjai kijelentik, hogy az Együttműködés céljainak megvalósítása érdekében felmerülő ráfordításokat saját forrásaikból, az erre vonatkozó külön döntés alapján fedezik.

8. Döntéshozatal

A döntéseket az Együttműködés tagjai üléseken hozzák. A Tagok vállalják, hogy az Együttműködés céljának megvalósítása érdekében rendszeres üléseket tartanak, minimum évente két alkalommal. A Tagok online módon is ülésezhetnek.

Az ülés akkor döntésképes, ha azon a Tagok több, mint fele részt vesz. A döntést a Tagok az ülésen megjelentek több, mint felének támogatásával hozzák meg (egyszerű többség).

Az üléseken elhangzottakról emlékeztetőt kell készíteni, az üléseken hozott döntéseket pedig írásba kell foglalni.

9. Együttműködési viszony megszűnése

A Tag részvétele az Együttműködésben megszűnik - amennyiben a Tag erre vonatkozó nyilatkozatot nyújt be - a nyilatkozat benyújtása napjával. A kilépni szándékozó Tagnak a kilépést követően is teljesítenie kell a már vállalt kötelezettségeit, feladatait.

Az Együttműködés értelemszerűen megszűnik akkor is, ha abban már csak egy Tag marad.

Az Együttműködés tagjai a Tagok több, mint felének egyetértésével (abszolút többség) dönthetnek úgy, hogy a tagi viszonyt megszüntetik, ha valamely Tag a vállalt kötelezettségeinek teljesítését elmulasztja, vagy olyan tevékenységet végez, amely a Tagok vagy a Program számára kárt okoz vagy okozhat.

10. Együttműködési szerződés megszűnése

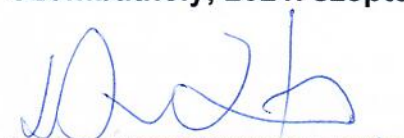
A Megállapodás kizárólag írásban, minden Tag aláírásával szüntethető meg.


11. Záró rendelkezések


Jelen Megállapodás a Felek aláírása napján – eltérő időpontban történő aláírás esetén a későbbi aláírás dátuma szerinti napon – jön létre és határozatlan időre szól.


A Tagok a megállapodást átolvasták, és közös értelmezés után, mint akaratukkal és elhangzott nyilatkozataikkal mindenben egyezőt aláírták.

Szombathely, 2021. szeptember 6.


Prof. Dr. Borhy László
rektor
Eötvös Loránd
Tudományegyetem



Prof. Dr. Miseta Attila János
rektor
Pécsi Tudományegyetem


Prof. Dr. Kovács Levente
rektor
Óbudai Egyetem


Dr. Nemény András
polgármester
SZMJV Önkormányzata


Kovács Vince
elnök
Vas Megyei Kereskedelmi
és Iparkamara


Schváb Zoltán Gábor
ügyvezető
Közlekedéstudományi
Intézet Nonprofit Kft.


Dr. Barta Balázs
ügyvezető igazgató
Pannon Gazdasági Hálózat
Egyesület



LETTER OF COMMITMENT

To help grow advanced manufacturing and industry 4.0 in Central Europe

CEUP2030

Hereby the undersigned Boris Golob, CEO, the legal representative of STEP RI d.o.o., confirms that our organization appreciates the project CEUP2030 as an excellent contribution with positive impacts for policy making and policy improving. Therefore, through this letter, we commit to support and take part in the follow-up of flagships projects.

In particular, we commit to support the partners in their implementation phase. Those projects should help then in defining the joint transnational Strategy on CAMI4.0 and setting the joint capitalization agenda for 2021-2027 across Central Europe.

Additionally, we commit to play a monitoring role to make sure that expected outputs and results (e.g. the planned methodologies, the addressed technologies, the broad access to target groups and stakeholders, the foreseen long-term market focus) of the project are seen as practicable, durable, useful and valuable for the innovation system in a regional, national and transnational context.

The activities will contribute to improve sustainable linkages among actors of the innovation system to strengthen regional innovation capacity in Central Europe area by:

- Connecting highly competent partners with strong networks;
- Setting transnational, future-robust and repeatable cooperation mechanisms which focus on the co-creation of common tools and methodologies to better understand CAMI4.0 topics across Central Europe.

STEP RI znanstveno-tehnologijski park Sveučilišta u Rijeci d.o.o.

Radmile Matejčić 10, HR-51000 Rijeka

T 051 265 961 · F 051 265 999 · E step-ri@uniri.hr · www.step.uniri.hr

OIB 70410022758 · Žiro račun HR3724020061100532068 kod Erste&Steiermärkische Bank d.d. Rijeka

Trgovački sud u Rijeci MBS 040251068 · Temeljni kapital 1.520.000 kn uplaćen u cijelosti · Članovi uprave: Boris Golob, direktor

Rijeka, 13.04.2022.



Official stamp of the supporting organization
Signature of the legal representative

STEP RI znanstveno-tehnologijski park Sveučilišta u Rijeci d.o.o.

Radmile Matejčić 10, HR-51000 Rijeka

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CROBOHUB++ will provide services in four sectors: **Manufacturing, Digital agriculture, Energy & sustainable environment and Public and state administration.** CROBOHUB++ received a total of 80 letters of support (LoS) from organizations, companies.

Letters of support (LoS) according to the mentioned sectors:

Manufacturing	
ABB d.o.o.	Klimaoprema d.d.
AI Perception d.o.o.	m-Start plus d.o.o.
Altpro d.o.o.	Metal product d.o.o.
Atlantic Grupa d.d.	MIAB d.o.o.
CADCAM d.o.o.	Multisoft d.o.o.
CroSi - Udruga za promociju pametnih industrija	Podravka d.d.
DATA LINK d.o.o.	Proning DHI d.o.o.
DOK-ING d.o.o.	Rimac Technology d.o.o.
Fakultet za informacijske študije, Slovenija	Romb Technologies d.o.o.
Fakultet organizacije i informatike	Sea cras d.o.o.
Fakultet strojarstva i brodogradnje, Zagreb	TEH-CUT d.o.o.
H2O d.o.o.	Tetida d.o.o.
HS Produkt d.o.o.	Tomo Varga d.o.o.
HSTEC d.o.o.	Torbarina d.o.o.
Inetec d.o.o.	Utilis d.o.o.
Infobip d.o.o.	Visage technologies d.o.o.
Iskra brodogradilište 1 d.o.o.	Visior d.o.o.
Jedinstvo - PNO d.o.o.	Working d.o.o.
JGL d.d.	
KING ICT d.o.o.	

Digital agriculture
AGRIVI d.o.o.
Agronomski fakultet, Zagreb
Fakultet kemijskog inženjerstva i tehnologije

Energy & Sustainable environment
Combis d.o.o.
EcoCortec d.o.o.
Crodux Energetika d.o.o.
DUCATI komponenti d.o.o.
Ericsson Nikola Tesla d.d.
Energy Platform Living Lab
HELB d.o.o.
HEP d.d.
Končar Elektroindustrija d.d.
LED ELEKTRONIKA d.o.o.
MUNJA d.o.o.
MURAPLAST d.o.o.
Rasco d.o.o.
SEDAM IT d.o.o.
Siemens d.d.
Solaris PONS d.o.o.
Solvis d.o.o.
TEHNIX d.o.o.
TPK OROMETAL d.d.
Vetropack Straža d.d.

Public administration
APIS IT d.o.o.
Auto Hrvatska d.d.
Hrvatski klaster konkurentnosti obrambenih industrija
Hrvatska akademska i istraživačka mreža - CARNET
DHMZ
Državni zavod Gršić
Akademija tehničkih znanosti Hrvatske
Hrvatska poštanska banka d.d.
HRT
Hrvatska pošta
Hrvatska udruga poslodavaca
Iskon Internet d.d.
Hanza media d.o.o.
Lucera Poduzetnički inkubator
Ministarstvo poljoprivrede
REGEA
Sveučilište u Zagrebu
UDRUGA Inovatora Hrvatske
PZ Ludbreški kraj



ABB Ltd., Ulica grada Vukovara 284, 10000 Zagreb, Croatia

Coordinator

University of Zagreb

Faculty of Electrical Engineering and Computing

10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić

e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the European Digital Innovation Hubs (DIGITAL-
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Through CROBOHUB++ networking with other European EDIHs, positive digital transformation practices will be adopted for the benefit of our manufacturing companies and other supporting institutions targeting sectors of agriculture, energy and environment, manufacturing industry, and public and state administration.

Our Institution recognizes this proposal as a project that could strengthen the capacity and application of digital and green technologies. It is of particular importance that the project is focused on key technologies that will contribute to the growth of technological readiness and maturity of our economy and the development of society as a whole, following three of the key areas of the Digital European Program (DEP): artificial intelligence, cybersecurity and high-performance computing.

Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Aleksandra Ilišković
Country Holding Officer

ALEKSANDRA
ILISKOVIC

Digitally signed by ALEKSANDRA
ILISKOVIC
Date: 2022.01.31 16:37:11 +01'00'

Žarko Peleš
Motion Local Business Area Manager

ZARKO
PELES

Digitally signed by ZARKO PELES
DN: cn=ZARKO PELES, c=CH,
o=ABB Asea Brown Boveri Ltd,
ou=HR,
email=zarko.peles@hr.abb.com
Date: 2022.01.31 14:47:29 +01'00'

AGRIVI d.o.o.
Ulica grada Gospića 1a, Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting – European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,



Mate Knezović COO
Agrivi d.o.o.
Ulica grada Gospića 1/a
10000 Zagreb **1**

AGRIVI d.o.o., Ulica grada Gospića 1/A, 10000 Zagreb | www.agrivi.com/hr | MBS: 080854387 | OIB: 74555862029

PBZ d.d., Radnička cesta 50, 10000 Zagreb | IBAN: HR6823400091110591775 | SWIFT: PBZGHR2X | Trgovački sud

u Zagrebu | Temeljni Kapital: 3.998.900,00 HRK | Član uprave–predsjednik: Matija Žulj, Članovi uprave: Mate Knezović,

Guilluauume Antoine Rabhi



Sveučilište u Zagrebu
Agronomski fakultet

University of Zagreb
Faculty of Agriculture



28 January 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,



Dean

Prof. Ivica Kisić, PhD



Svetošimunska cesta 25, 10000 Zagreb, Hrvatska
Telefon +385 (0)1 2393777, Faks +385 (0)1 2315300
E-mail: dekanat@agr.unizg.hr, URL: www.agr.unizg.hr
IBAN: HR1823600001101221840, MB: 3283097, OIB: 76023745044, PDV ID: HR76023745044



AI Perception LTD
Trg Žarka Dolinara 18
48000, Koprivnica (Croatia)

CEO Benedikt Lazar
e: benedikt.lazar1@gmail.com

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

AI PERCEPTION
d.o.o.

Trg dr. Žarka Dolinara 18, KOPRIVNICA



Benedikt Lazar



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

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CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,

Zvonimir Viduka

Director



» ALTPRO « d.o.o.
proizvodnja elektrotehničkih proizvoda
i trgovina
HRVATSKA-ZAGREB

KLASA: 700-31/22-01/01

URBROJ: APIS IT-06-22-02

Zagreb, 24 January 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from APIS IT the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-2021-**
EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Zagreb, January 31st, 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

**Subject: Letter of support from the to the project proposal CROBOHUB++:
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Sincerely yours,


ATLANTIC GRUPA d.d.

Neven Vranković
Group Vice President
Corporate Activities



croatian competitiveness
cluster of defence
industry



Zagreb, February 1st, 2022

To attention:
Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

Our Institution, Croatian defence industry competitiveness cluster (CDICC), is very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to **support** goals and efforts to be achieved in terms of digital transformation of companies and the public sector.

Through CROBOHUB++ networking with other European EDIHs, positive digital transformation practices will be adopted for the benefit of our manufacturing companies and other supporting institutions targeting sectors of agriculture, energy and environment, manufacturing industry, and public and state administration.

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours

President of Croatian Defence Industry
Competitiveness Cluster

Goran Basarac, MBA.
Zagreb



Croatian defence industry competitiveness cluster (CDICC)
Industrijska zona 3
40 323 Prelog / Croatia
t: +385 99 218 3985
www.hkkoi.hr

CADCAM Design Centar d.o.o.

Štoosova 1 | 10000 | Zagreb

e: drago.cmuk@cadcam-group.eu

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,


GROUP
CADCAM Design Centar d.o.o.
Štoosova 1, 10 000 Zagreb

Dr.sc. Drago Cmuk, EMBA

Business Development Director



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb
Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Zagreb, 01.02.2022.
Class: 100-000/22/37
Ref.No: I71277-650-689-22-11

Subject: Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society B0osting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,


Hevoje Puljiz
CEO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Combis Ltd

Goran Car, Board Member

COMBIS
Usluge integracija informatičkih
tehnologija d.o.o.
ZAGREB



COMBIS, usluge integracija informatičkih tehnologija, d.o.o.

Radnička cesta 21, 10000 Zagreb, Republika Hrvatska

T: +385 (0) 136 51222, F: +385 (0) 136 51251, E: combis@combis.hr, W: combis.hr

OIB: 91678676896, PDV identifikacijski broj: HR91678676896, MB: 3609103, Trgovački sud u Zagrebu, MBS: 060090126

Poslovna banka: Zagrebačka banka d.d., Zagreb IBAN: HR8723600001101227582 / SWIFT: ZABAHR2X

Temeljni kapital: 64 943 900,00 kn, uplaćen u cijelosti. Član Uprave: Goran Car



EcoCortec®
PRVA HRVATSKA
TVORNICA BIOPLASTIKE

EcoCortec d.o.o.
Bele Bartoka 29
31 300 Beli Manastir

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

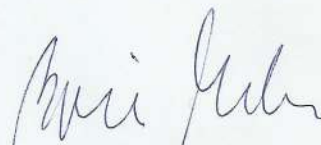
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Sincerely yours,


Boris Miksic



ECOCORTEC d.o.o.
Za proizvodnju i trgovinu
Bartoka Bele 29
31300 Beli Manastir
OIB 51209568696 (I)

nistration.

67 Letters of support (LoS) according to the mentioned sectors:

Manufacturing	Digital Agriculture	Energy & sustainable environment
ABB d.o.o.	AGRIVI d.o.o.	Combis d.o.o.
AI Perception d.o.o.	Agronomski fakultet, Zagreb	EcoCortec d.o.o.
Altpro d.o.o.	Fakultet kemijskog inženjerstva i tehnologije	Crodux Energetika d.o.o.
Atlantic Grupa d.d.		DUCATI komponenti d.o.o.
CADCAM d.o.o.		Ericsson Nikola Tesla d.d.
CroSi - Udruga za promociju pametnih industrija		Energy Platform Living Lab
DATA LINK d.o.o.		HELB d.o.o.
DOK-ING d.o.o.		HEP d.d.
Fakultet organizacije i informatike		Končar Elektroindustrija d.d.
Fakultet za informacijske studije, Slovenija		LED ELEKTRONIKA d.o.o.
Fakultet strojarstva i brodogradnje, Zagreb		MUNJA d.o.o.
H2O d.o.o.		MURAPLAST d.o.o.
HS Produkt d.o.o.		Rasco d.o.o.
HSTEC d.o.o.		SEDAM IT d.o.o.
Inetec d.o.o.		Siemens d.d.
Infobip d.o.o.		Solaris PONS d.o.o.
Iskra brodogradilište 1 d.o.o.		Solvis d.o.o.
JGL d.d.		TEHNIX d.o.o.
KING ICT d.o.o.		TPK OROMETAL d.d.
Klimaoprema d.d.		Vetropack Straža d.d.
m-Start plus d.o.o.		
Metal product d.o.o.		
MIAB d.o.o.		
Multisoft d.o.o.		

Podravka d.d.
Proning DHI d.o.o.
Rimac Technology d.o.o.
TEH-CUT d.o.o.
Tomo Varga d.o.o.
Utilis d.o.o.
Visage technologies d.o.o.
Visior d.o.o.
Working d.o.o.

Public & state administration
APIS IT d.o.o.
Hrvatska akademska i istraživačka mreža - CARNET
Hrvatski klaster konkurentnosti obrambenih industrija
Akademija tehničkih znanosti Hrvatske
Hrvatska poštanska banka d.d.
HRT
Hrvatska pošta
Iskon Internet d.d.
Ministarstvo poljoprivrede
REGEA
Sveučilište u Zagrebu



ABB Ltd., Ulica grada Vukovara 284, 10000 Zagreb, Croatia

Coordinator

University of Zagreb

Faculty of Electrical Engineering and Computing

10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić

e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the European Digital Innovation Hubs (DIGITAL-
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Aleksandra Ilišković
Country Holding Officer

ALEKSANDRA
ILISKOVIC

Digitally signed by ALEKSANDRA
ILISKOVIC
Date: 2022.01.31 16:37:11 +01'00'

Žarko Peleš
Motion Local Business Area Manager

ZARKO
PELES

Digitally signed by ZARKO PELES
DN: cn=ZARKO PELES, c=CH,
o=ABB Asea Brown Boveri Ltd,
ou=HR,
email=zarko.peles@hr.abb.com
Date: 2022.01.31 14:47:29 +01'00'

AGRIVI d.o.o.
Ulica grada Gospića 1a, Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting – European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,



Mate Knezović COO
Agrivi d.o.o.
Ulica grada Gospića 1/a
10000 Zagreb **1**

AGRIVI d.o.o., Ulica grada Gospića 1/A, 10000 Zagreb | www.agrivi.com/hr | MBS: 080854387 | OIB: 74555862029

PBZ d.d., Radnička cesta 50, 10000 Zagreb | IBAN: HR6823400091110591775 | SWIFT: PBZGHR2X | Trgovački sud

u Zagrebu | Temeljni Kapital: 3.998.900,00 HRK | Član uprave–predsjednik: Matija Žulj, Članovi uprave: Mate Knezović,

Guilluauume Antoine Rabhi



Sveučilište u Zagrebu
Agronomski fakultet

University of Zagreb
Faculty of Agriculture



28 January 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOostling - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,



Dean

Prof. Ivica Kisić, PhD



Svetošimunska cesta 25, 10000 Zagreb, Hrvatska
Telefon +385 (0)1 2393777, Faks +385 (0)1 2315300
E-mail: dekanat@agr.unizg.hr, URL: www.agr.unizg.hr
IBAN: HR1823600001101221840, MB: 3283097, OIB: 76023745044, PDV ID: HR76023745044



AI Perception LTD
Trg Žarka Dolinara 18
48000, Koprivnica (Croatia)

CEO Benedikt Lazar
e: benedikt.lazar1@gmail.com

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
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Sincerely yours,

AI PERCEPTION
d.o.o.

Trg dr. Žarka Dolinara 18, KOPRIVNICA



Benedikt Lazar



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Zvonimir Viduka

Director



» **ALTPRO** « d.o.o.
proizvodnja elektrotehničkih proizvoda
i trgovina
HRVATSKA-ZAGREB

KLASA: 700-31/22-01/01

URBROJ: APIS IT-06-22-02

Zagreb, 24 January 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from APIS IT the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-2021-**
EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Zagreb, January 31st, 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

**Subject: Letter of support from the to the project proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,


ATLANTIC GRUPA d.d.

Neven Vranković
Group Vice President
Corporate Activities

Zagreb, February 1st, 2022

To attention:
Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

Our Institution, Croatian defence industry competitiveness cluster (CDICC), is very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to **support** goals and efforts to be achieved in terms of digital transformation of companies and the public sector.

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Sincerely yours

President of Croatian Defence Industry
Competitiveness Cluster

Goran Basarac, MBA.
Zagreb

CADCAM Design Centar d.o.o.

Štoosova 1 | 10000 | Zagreb

e: drago.cmuk@cadcam-group.eu

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,


GROUP
CADCAM Design Centar d.o.o.
Štoosova 1, 10 000 Zagreb

Dr.sc. Drago Cmuk, EMBA

Business Development Director



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb
Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Zagreb, 01.02.2022.
Class: 100-000/22/37
Ref.No: I71277-650-689-22-11

Subject: Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society B0osting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,


Hevoje Puljiz
CEO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Combis Ltd

Goran Car, Board Member

COMBIS
Usluge integracija informatičkih
tehnologija d.o.o.
ZAGREB



COMBIS, usluge integracija informatičkih tehnologija, d.o.o.

Radnička cesta 21, 10000 Zagreb, Republika Hrvatska

T: +385 (0) 136 51222, F: +385 (0) 136 51251, E: combis@combis.hr, W: combis.hr

OIB: 91678676896, PDV identifikacijski broj: HR91678676896, MB: 3609103, Trgovački sud u Zagrebu, MBS: 060090126

Poslovna banka: Zagrebačka banka d.d., Zagreb IBAN: HR8723600001101227582 / SWIFT: ZABAHR2X

Temeljni kapital: 64 943 900,00 kn, uplaćen u cijelosti. Član Uprave: Goran Car



EcoCortec®
PRVA HRVATSKA
TVORNICA BIOPLASTIKE

EcoCortec d.o.o.
Bele Bartoka 29
31 300 Beli Manastir

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

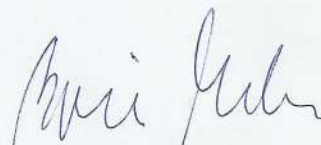
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Sincerely yours,


Boris Miksic



ECOCORTEC d.o.o.
Za proizvodnju i trgovinu
Bartoka Bele 29
31300 Beli Manastir
OIB 51209568696 (I)



Crodux Energetika d.o.o.
Kaptol 19
10 000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Branko Radošević, director

A handwritten signature in blue ink, consisting of a large, stylized 'B' and 'R'.

Zagreb 02.02.2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,




[Slavko Vidović]



DATA LINK d.o.o.
Blajburških žrtava 16
43000 Bjelovar

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

C N A rectangular stamp with a black border. Inside, on the left, is a stylized 'D' logo. To the right of the logo, the text reads: "DATA LINK d.o.o.", "PROIZVODNJA UREĐAJA", "RAČUNARSKE TEHNIKE I", "INFORMATIČKI INŽENJERING", "BJELOVAR", and "1" in the bottom right corner.

Darko Crha

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from DOK-ING Ltd., to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-
EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,



DOK-ING d.o.o.
ZAGREB
02
OIB 39982657045

VOJKOSLAV
MAJETIĆ



DUCATI komponenti d.o.o.

42230 LUDBREG Hrvatska
Zagorska 6
PP 73
Tel +385(0)42 306 159 / 306 160
Telefax +385(0)42 306 143 / 306 578
MB 1716581
OIB 11111510694

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

Our Institution is very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to **support** goals and efforts to be achieved in terms of digital transformation of companies and the public sector.

Through CROBOHUB++ networking with other European EDIHs, positive digital transformation practices will be adopted for the benefit of our manufacturing companies and other supporting institutions targeting sectors of agriculture, energy and environment, manufacturing industry, and public and state administration.

Our Institution recognizes this proposal as a project that could strengthen the capacity and application of digital and green technologies. It is of particular importance that the project is focused on key technologies that will contribute to the growth of technological readiness and maturity of our economy and the development of society as a whole, following three of the key areas of the Digital European Program (DEP): artificial intelligence, cybersecurity and high-performance computing.

Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Direktor

Dražen Crnković

DUCATI komponenti d.o.o.
Zagorska 6 - HR-42230 LUDBREG

DUCATI komponenti d.o.o., Ludbreg, Zagorska 6, tel: 042 / 306 159, fax: 042 / 306 143

IBAN: HR4223600001101652379 ZABA

MB 1716581, OIB 11111510694

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Ericsson Nikola Tesla d.d.
Krapinska 45
10000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,


ERICSSON
Ericsson Nikola Tesla d.d.
Krapinska 45
HR-10 000 Zagreb
CROATIA

01


Mr.sc. Gordana Kovačević
Director of the company

Ericsson Nikola Tesla d.d.

Adresa - Address
Krapinska 45, p.p. 93
HR-10002 ZAGREB
CROATIA

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HR8423600001101235687
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HR8824020061100414168

S.W.I.F.T.
RZBHR2X
ZABHR2X
PBZGHR2X
ESBCHR22

www.ericsson.hr

OIB: 84214771175

PDV ID/VAT No: HR84214771175

Energy Platform Living Lab
Unska 3
HR10000 Zagreb
Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,


Prof. Mario Vražić

Chairman of the board of directors

Energy Platform Living Lab
Udruga za otvorene inovacije u energetici
Zagreb

Ljubljanska c. 31A
8000 Novo mesto
Slovenia

Novo mesto, 24/01/2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Prof. Dr. Matej Makarovič

Dean of FIS





University of Zagreb
Faculty of Chemical
Engineering and Technology



Zagreb, January 26, 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
Croatian Industry and Society Boosting - European Digital
Innovation HUB responding to the **European Digital Innovation Hubs**
(DIGITAL-2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,
Ante Jukić, Ph.D.
Dean



Faculty of Chemical Engineering and Technology, Marulićev trg 19, HR-10000 Zagreb
Phone: +385 (0) 1 4597 281, Fax: +385 (0) 1 4597 260
OIB: 71259740533, E-mail: office@fkit.hr, www.fkit.unizg.hr

Class: 602-04/22-01/1
Ref. No.: 2186-62-14-22-3
Varaždin, 28th January 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Dean:

Full Prof. Nina Begičević Ređep, Ph.D.





University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture

Ivana Lučića 5, 10002 Zagreb, Croatia
phone +385 1 6168222 | fax +385 1 6156940 | fsb.unizg.hr
VAT HR22910368449 | IBAN HR47 2360 0001 1013 4693 3



Klasa: 035-01/22-1/1
Urbroj: 251-66-1701-22-8
Zagreb, 24/1/2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

DEAN
Prof. dr. sc. Dubravko Majetić



H2O Robotics

Unska 3, 1000 Zagreb, Croatia

<http://www.h2o-robotics.com/>

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal**
ct: **CROBOHUB++: CROatian Industry and Society BOosting**
- European Digital Innovation HUB responding to the
European Digital Innovation Hubs (DIGITAL-2021-EDIH-
01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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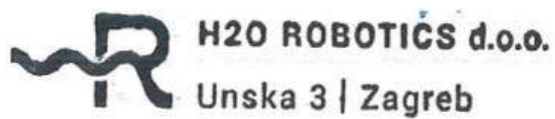
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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



A handwritten signature in black ink, reading "Vladimir Djapic".

Vladimir Djapic, PhD
CEO H2O Robotics



AKADEMIJA TEHNIČKIH ZNANOSTI HRVATSKE
CROATIAN ACADEMY OF ENGINEERING

Croatian Academy of Engineering (HATZ) has been a Member of the International Council of Academies of Engineering and Technological Sciences (CAETS), Washington DC, USA, since 2000, and, since 2005, a Member of the European Council of Academies of Applied Sciences, Technologies, and Engineering (Euro-CASE), Paris, France, EU.

Croatian Academy of Engineering
10000 Zagreb, Kačićeva 28
www.hatz.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

President of the Croatian Academy of Engineering

Prof. Vladimir Andročec, PhD.



Coordinator

University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
E-mail nedjeljko.peric@fer.hr

Subject: Letter of support from Helb d.o.o. to Faculty of Electrical Engineering and Computing, project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Sincerely yours,

 **HEL B d.o.o.** Stjepan Horvat,
HR-Božjakovina director
10 

1 / 1



Ulica grada Vukovara 37
10 000 Zagreb



(0)1. 63.22.111



(0)1. 61.70.430



www.hep.hr

■ Sektor za informacijsko-komunikacijske tehnologije

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

■ NAŠ BROJ: **08-356/22**

■ VAŠ BROJ:

■ DATUM: **24.01.2022.**

■ **PREDMET:** Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Sincerely yours,

Director

Jozo Berečić, dipl. oec.

HRVATSKA ELEKTROPRIVREDA d.d.
ZAGREB 7
Ulica grada Vukovara 37

■ HRVATSKA ELEKTROPRIVREDA - dioničko društvo (HEP d.d.)

Uprava društva

Predsjednik Uprave Frane Barbarić

Članovi Uprave Petar Sprčić | Tomislav Šambić

Predsjednik Nadzornog odbora dr.sc. Goran Granić

IBAN HR5323400091100010024

Matični broj 3557049

OIB 28921978587

Trgovački sud u Zagrebu MBS 080004306

Uplaćen temeljni kapital 19.792.159.200,00 HRK

HRVATSKA POŠTANSKA BANKA d.d.

Management Board

Jurišićeva 4, HR-10000 Zagreb

Phone: +385 1 4804 400, 4804 409

Fax: +385 1 4810 773

Zagreb, February 2, 2022

F00-13/22

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from Hrvatska poštanska Banka p.l.c., Jurišićeva 4, 10000 Zagreb, Croatia to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Anto Mihaljević
Member of the Management Board



Hrvatska poštanska banka p.l.c. Jurišićeva 4, 10000 Zagreb, Croatia · tel.: 072 472 472 · hpb@hpb.hr · www.hpb.hr
Management Board: Marko Badurina, President · Anto Mihaljević, Member · Ivan Soldo, Member · Marijana Miličević, Chairman of the Supervisory Board · IBAN: HR46 2390 0011 0700 0002 9 · SWIFT: HPBZHR2X · OIB: 87939104217 · Registered with Zagreb Commercial Court under number MBS: 080010698 · Base Capital 1.214.775.000,00 kn, divided into 2.024.625 ordinary shares in nominal amount of 600,00 kn (paid in full)



Hrvatska
radiotelevizija

Croatian radiotelevision
Prisavlje 3
10000 Zagreb

No: 31-803/2022-310
Zagreb, January 26' 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,

Robert Šveb

Director General of HRT





Croatian Post Inc.

Jurišićeva 13
HR-10000 Zagreb
Tel: +385 1 4981002
e-mail: uprava@posta.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Ivan Čulo, CEO
Croatian Post Inc.

IVAN ČULO

05588836254

HP D.D.

87311810356

Elektronički potpisano: 9.2.2022. 12:05:53

Izdavatelj certifikata: AKD d.o.o

Provjera: <https://esign.id.hr/provjera>

Broj zapisa: 74321c23-b296-4d4f-a7ea-357bc7a9d971



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

HS Produkt d.o.o.

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47000 KARLOVAC
CROATIA

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IBAN HR9024000081190251778
VAT HR 99175363728
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+385 (0)47 / 666-668

Telefaks/ Fax no. +385 (0)47 / 645-594

E- mail: hs-produkt@hs-produkt.hr

http:// www.hs-produkt.hr

Karlovac,

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,


HS PRODUKT d.o.o.
KARLOVAC, Bogovićevo 7
OIB:99175363728 
Željko Pavlin, CEO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Mladen Šarlija, EMBA dipl.ing.
Director



INETEC-Institute for Nuclear Technology
Dolenica 28
10250 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society B0osting - European Digital Innovation
HUB responding to the European Digital Innovation Hubs (DIGITAL-
2021-EDIH-01) call

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Sincerely yours,



2 Zrinka Corak, Ph.D

CEO

INFOBIP d.o.o.
52215 Vodnjan,
Istarska 157

Coordinator
University of Zagreb
Faculty of Electrical
Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the project proposal

CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB

responding to the

European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,

Infobip d.o.o.

Tomislav Pifar, director

DocuSigned by:

Tomislav Pifar

0021681229BF476...



Iskon Internet d.d.
Ulica Florijana Andrašeca 20; 10 000 Zagreb, Hrvatska
tel: 0800 1000
www.iskon.hr

OIB: 36779353407
Trgovački sud u Zagrebu, MBS: 070003298
Žiroračun kod ZABA: 2360000-1101208338
IBAN HR4623600001101208338

Iskon internet d.d.
Florijana Andrašeca 20
10.000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,

**Iskon Internet d.d.**
Krešimir Madunović, Direktor/CEO

Iskra shipyard LLC
Obala Jerka Šižgorića 1
22 000 Šibenik

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Sincerely yours,

ISKRA brodogradilište 1 d.o.o.
Šibenik

Roko Vuletić, CEO , Dr. Aleš Ekar, CEO

JGL d.d.

Svilno 20, 51000 Rijeka

Digitalna izvrsnost

Marijo Volarević, direktor

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Sincerely yours,

JGL dd, by PoA



Marijo Volarević, CDO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
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Sincerely yours,

KING ICT d.o.o.
ZAGREB 15



Plamenko Barišić

President of the Management Board

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Sergio Galošić, CEO
Klimaoprema d.d.
Za projektiranje, proizvodnju, postavljanje,
opravu i održavanje opreme za klimatizaciju
10430 SAMOBOR, GRADNA 78/A

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Gordan Kolak, M.Sc.
President of the Management Board
phone: +385 1 3667 188
e-mail: koncar.head@koncar.hr

Zagreb, 08 February, 2022

**Subject: Letter of support from the to the project proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation HUB responding
to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call**

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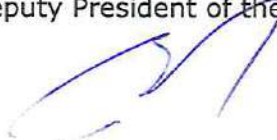
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Sincerely yours,

Ivan Bahun, Ph.D.
Deputy President of the Management



Gordan Kolak, M.Sc.
President of the Management Board



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,

For LED elektronika d.o.o.:

Ivor Jović, CEO
**IVOR
JOVIĆ**
Digitally signed
by IVOR JOVIĆ
Date: 2022.01.27
18:07:37 +01'00'

Zagreb, January 25th 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Sincerely yours,

CEO


METAL PRODUCT
d. o. o.
Z A G R E B — Đačka 70
Igor Vrdoljak

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Šibenik, 10.02.2022.g.

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society B0osting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
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Sincerely yours,

MIAB d.o.o. Šibenik

Director:

Mate Burić, meeh.eng.

„MIAB“ d.o.o.
projektiranje, proizvodnja,
montaža, zastupanje, trgovina
i export-import. ŠIBENIK
OIB 66932913230

HR6624020061100512049 Erste & Steiermaerkische bank d.d. Zagreb | HR6723600001101435813 Zagrebačka banka d.d. Zagreb |

HR0325000091101470411 Addiko Bank d.d. Zagreb | HR1324070001100660080 OTP banka d.d. Zagreb |

HR1123400091110797665 Privredna banka Zagreb d.d. Zagreb | HR8324840081102791564 Raiffeisenbank Austrija d.d. Zagreb |
Trg. sud Šibenik, MBS: 060094182 | T. kap. 22.200,00 kn, upl. u cijelosti | Članovi uprave: Ankica Burić i Mate Burić



REPUBLIC OF CROATIA
MINISTRY OF AGRICULTURE

10000 Zagreb, Ul. grada Vukovara 78, P.P. 1034
Phone: (+385 1) 61 06 111, Fax: (+385 1) 61 09 201



Class: 650-01/22-01/4
Ref. No.: 525-05/0073-22-1
Zagreb, January 24., 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

PREDMET: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian **I**ndustry and **S**ociety **BO**osting - **E**uropean **D**igital **I**nnovation
HUB responding to the **E**uropean **D**igital **I**nnovation **H**ubs (**DIGITAL-**
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Sincerely yours,



MINISTER OF AGRICULTURE

Marija Vučković

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
Unska 3
10000 Zagreb

Attention: Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Zagreb, 28.1.2022.

Sincerely yours,

mStart plus
d.o.o.



Mate Krpan, president of the Board

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Mr.sc. Vladimir Kavur, dipl.ing.



TVORNICA AKUMULATORA I BATERIJA d.o.o., 10 000 ZAGREB HR, Koledovčina 3

Telefon:

Centrala: +385 (0) 1 2407-722
Telefax: 2404-416
Prodaja/nabava 2404-187
Telefax: 2404-915
Izvoz/uvoz: 2405-918
Financije tel/fax: 2406-064
e-mail: munja@munja.hr
[http: www.munja.hr](http://www.munja.hr)
OIB: 18961324564
IBAN: HR3524080021100002784

Coordinator University of Zagreb

Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021- EDIH-01)** call

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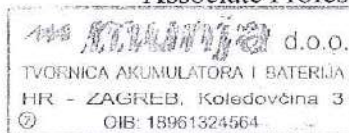
Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

MUNJA d.o.o.

President of Board

Associate Professor Ivan Miloloža, BSc, PhD





MURAPLAST d.o.o.
Sajmišna 16
HR - 40329 KOTORIBA
CROATIA

Tel. ++385 (0)40 683200
e-mail. info@muraplast.com
web. www.muraplast.com
VAT. HR16893266699

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Kotoriba 2.2.2022

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,


 MURAPLAST d.o.o.
Sajmišna 16
40329 Kotoriba 1

Davor Ujlaki/director



MANAGEMENT BOARD

Koprivnica, _____

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Non - binding Letter of support to the project **proposal CROBOHUB++:**
CROatian Industry and Society B0osting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.



MANAGEMENT BOARD

This non – binding Letter of support is made solely for the purpose of the aforementioned project proposal and cannot be used for any other purpose.

Sincerely yours,

For Podravka Inc.:

Martina Dalić, Ph. D.,
President of the Management Board

Ljiljana Šapina, M. Sc.,
Member of the Management Board



sjedište: Račkoga 3, 10000 Zagreb, Hrvatska
ured: Otona Kučere 5, 10000 Zagreb, Hrvatska
ured: Vukovarska 7, 21000 Split, Hrvatska
tel: +385 1 455 69 03, +385 1 461 09 03
e-mail: info@proning-dhi.hr
web: www.proning-dhi.hr



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,



PRONING DHI d.o.o.
CEO
M.Sc. Božidar Deduš
Dip. HE (Delft) Civ. Eng.

RASCO d.o.o.

Kolodvorska 120B, 48350 Kalinovac, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society B0osting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Ivan Franičević

CEO





REPUBLIC OF CROATIA
OFFICE OF THE PRESIDENT

Doc. Class: 651-02/22-01/01
Ref. No.: 71-06/5-22-02
Zagreb, 31 January 2022

COORDINATOR
UNIVERSITY OF ZAGREB
FACULTY OF ELECTRICAL ENGINEERING AND COMPUTING
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the CROBOHUB++ project proposal: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

Our Institution is very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to **support** the goals and efforts to be achieved in terms of the digital transformation of companies and the public sector.

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Sincerely yours,

SPECIAL ADVISER

TO THE PRESIDENT OF THE REPUBLIC
FOR ENERGY AND CLIMATE



Julijana Domac, Ph. D.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society B0osting - European Digital
Innovation HUB** responding to the **European Digital Innovation Hubs
(DIGITAL-2021-EDIH-01)** call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Mate Rimac, CEO

RIMAC
— TECHNOLOGY

Rimac Technology d.o.o., Ljubljanska 7,
10431 Sveta Nedelja, Croatia 3

Mia Despotović,
Direktorica sektora za razvoj poslovanja

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB** responding to the **European Digital Innovation Hubs (DIGITAL-
2021-EDIH-01)** call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Mia Despotović



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from Siemens d.d. to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Medeja Lončar

President of the Management Board

Siemens d.d.
President of the Management Board: Medeja Lončar

Heinzelova 70a
HR-10000 Zagreb

Tel: +385 1 6105 222
Fax: +385 1 6105 181
www.siemens.hr

Siemens d.d., President of the Supervisory Board: Wolfgang Hesoun, Management Board: Medeja Lončar, president; Sandra Žilić, member
Registered office: Heinzelova 70a, Zagreb; IBAN: Zagrebačka banka d.d. HR1023600001101224506; Raiffeisenbank Austria d.d. HR2624840081100236834.
The company is entered in the court register of the Commercial Court in Zagreb under no. 080042313. Share capital: HRK 37.170.360,00.
929,259 issued shares with the value of HRK 40,00 each. VAT registration number: 3218384, VAT ID HR12673471493, Personal Identification Number: 12673471493

SOLARIS PONS d.o.o.
Vukovarska 131
31000 Osijek

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Director SOLARIS PONS d.o.o.
Jurica Gorup

Osijek, 08.12.2020. 28260438524

SOLVIS d.o.o.
Ulica Vesne Parun 15
PP 113
HR-42000 Varaždin
Hrvatska-Croatia
T +385 42 262 250
F + 385 42 241 100
info@solvis.hr
www.solvis.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3
Profesor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Datum: 25.01.2022.

SUBJECT: Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

SOLVIS d.o.o.

Stjepan Talan, CEO

SOLVIS d.o.o. je upisan pod brojem MBS 090021197, OIB 80258164780 kod Trgovačkog suda u Varaždinu.
Temeljni kapital: 10.388.000 kuna uplaćen u cijelosti.
Predsjednik Uprave: Stjepan Talan
Žiro računi:

- Zagrebačka banka d.d. Zagreb, IBAN HR6323600001102140105, SWIFT: ZABAHR2X
- Privredna banka Zagreb d.d. Zagreb, IBAN HR0723400091110283249, SWIFT: PBZGHR2X
- Erste&Steiermärkische Bank d.d. Rijeka, IBAN HR6024020061100773087, SWIFT: ESBCHR22





University of
Zagreb

Professor **Damir Boras**, Ph.D.
RECTOR

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB** responding to the **European Digital Innovation Hubs (DIGITAL-
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Sincerely yours,



Professor Damir Boras, Ph.D.



Sjedište: HR 10410 Velika Gorica, Nikole Šopa 28
Proizvodnja: HR 10090 Zagreb, Velimira Škorpika 1b
tel./cent: + 385 1 3440 900
fax.: + 385 1 3440 910
email: tc.mold@teh-cut.hr
www.teh-cut.hr
OIB:04502469231

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Inno-
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(DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Direktor

Duško Radović, ing

TEH-CUT
d.o.o. za proizvodnju, tehnološke
usluge i trgovinu
VELIKA GORICA, Nikole Šopa 28



ECO INDUSTRY



TEHNIX d.o.o. Braće Radica Street 35, 40320 DONJI KRALJEVEC, CROATIA
reception-sale: +385 40 650 100, fax: +385 40 650 108
e-mail: tehnix@tehnix.com, web: www.tehnix.com

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society B0osting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,

Donji Kraljevec, 24.01.2022.

Letter No. 012/24-01-2022

TEHNIX d.o.o.
CEO
Đuro Horvat

„TEHNIX“ d.o.o.
DONJI KRALJEVEC 8



SGS TEHNIX YOUR PARTNER IN ENVIRONMENTAL PROTECTION



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the Tomo Varga d.o.o. to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,

TOMO VARGA
d.o.o. za proizvodnju, trgovinu i prijevoz
ZAGREB Črnojezerska 20

Matko Mihalić



TPK OROMETAL

TPK Orometal d.d.
Milana Prpića 118
49243 Oroslavje, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,

TPK OROMETAL d.d.
za proizvodnju kotlova i prehrambeno
procesne opreme 3
OROSLAVJE — M. PRPIĆA 118

[Dragutin Družinec, BSc / General Manager]



Utilis d.o.o.
Fallerovo šetalište 22
10000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,



Goran Polonji
UTILIS d.o.o.
Z A G R E B

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Hum na Sutli, 9.2.2022.

Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal

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Sincerely yours,

Vetropack Straža d.d. Hum na Sutli


Tihomir Premužak
President of the Management Board

*Vetropack Straža d.d.
Hum na Sutli*

Visage Technologies d.o.o.
Ivana Lučića 2a/15,
10 000 Zagreb, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Gordan Kreković, CEO



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,



Bruno Birgmajer



Work-ing d.o.o.
Zona Sjever, Varaždin
42202 Trnovec Bartolovečki
Tel: + 385 42 658 731
Fax: + 385 42 658 740

Sjedište tvrtke:
Irme Gorzo 4
42000 Varaždin
Web: work-ing.hr
E-mail: info@work-ing.hr



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,






Crodux Energetika d.o.o.
Kaptol 19
10 000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Branko Radošević, director

A handwritten signature in blue ink, consisting of a stylized 'B' and 'R'.

Zagreb 02.02.2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Sincerely yours,




[Slavko Vidović]



DATA LINK d.o.o.
Blajburških žrtava 16
43000 Bjelovar

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

A blue ink handwritten signature, possibly "C. Crha", is written over a rectangular stamp. The stamp contains the text: "DATA LINK d.o.o.", "PROIZVODNJA UREĐAJA", "RAČUNARSKE TEHNIKE I", "INFORMATIČKI INŽENJERING", "BJELOVAR", and a small number "1" in a box.

Darko Crha

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from DOK-ING Ltd., to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-
EDIH-01)** call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,



DOK-ING d.o.o.
ZAGREB
02
OIB 39982657045

VOJKOSLAV
MAJETIĆ



DUCATI komponenti d.o.o.

42230 LUDBREG Hrvatska
Zagorska 6
PP 73
Tel +385(0)42 306 159 / 306 160
Telefax +385(0)42 306 143 / 306 578
MB 1716581
OIB 11111510694

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,

Direktor

Dražen Crnković

DUCATI komponenti d.o.o.
Zagorska 6 - HR-42230 LUDBREG

DUCATI komponenti d.o.o., Ludbreg, Zagorska 6, tel: 042 / 306 159, fax: 042 / 306 143

IBAN: HR4223600001101652379 ZABA

MB 1716581, OIB 11111510694

www.ducatienergia.it



Datum - Date
25.01.2022.

Naš broj - Our reference

Vaš datum - Your date

Vaš broj - Your reference

Odgovorna osoba, telefon - Attending to this matter, telephone

Ericsson Nikola Tesla d.d.
Krapinska 45
10000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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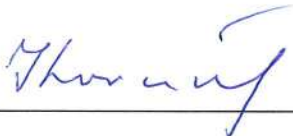
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Sincerely yours,

ERICSSON
Ericsson Nikola Tesla d.d.
Krapinska 45
HR-10 000 Zagreb
CROATIA

01


Mr.sc. Gordana Kovačević
Director of the company

Ericsson Nikola Tesla d.d.

Adresa - Address
Krapinska 45, p.p. 93
HR-10002 ZAGREB
CROATIA

Telefon - Telephone
+385 1 365 35 35
IBAN
HR7624840081100331673
HR8423600001101235687
Telefaks - Fax
HR2223400091110012058
+385 1 302 85 40
HR8824020061100414168

S.W.I.F.T.
RZBHHR2X
ZABHR2X
PBZGHR2X
ESBCHR22

www.ericsson.hr

OIB: 84214771175

PDV ID/VAT No: HR84214771175

Predsjednik Nadzornog odbora - Supervisory Board Chairman: Franck Pierre Roland Bouëtard • Uprava/Direktor - Management Board/Director: Gordana Kovačević
MBS pri Trgovačkom sudu u Zagrebu - Zagreb Commercial Court Reg. No.: 080002028 • Temeljni kapital uplaćen u cijelosti (kn) - Fully paid share capital (HRK):
133.165.000,00

Ukupan broj dionica - Total number of shares: 1 331 650 • Nominalni iznos dionice (kn) - Nominal share value (HRK): 100,00

Energy Platform Living Lab
Unska 3
HR10000 Zagreb
Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,


Prof. Mario Vražić

Chairman of the board of directors

Energy Platform Living Lab
Udruga za otvorene inovacije u energetici
Zagreb

Ljubljanska c. 31A
8000 Novo mesto
Slovenia

Novo mesto, 24/01/2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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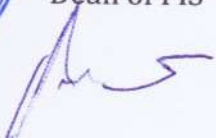
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Sincerely yours,



Prof. Dr. Matej Makarovič

Dean of FIS





University of Zagreb
Faculty of Chemical
Engineering and Technology



Zagreb, January 26, 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
Croatian Industry and Society Boosting - European Digital
Innovation HUB responding to the **European Digital Innovation Hubs**
(DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,
Ante Jukić, Ph.D.
Dean



Faculty of Chemical Engineering and Technology, Marulićev trg 19, HR-10000 Zagreb
Phone: +385 (0) 1 4597 281, Fax: +385 (0) 1 4597 260
OIB: 71259740533, E-mail: office@fkit.hr, www.fkit.unizg.hr

Class: 602-04/22-01/1
Ref. No.: 2186-62-14-22-3
Varaždin, 28th January 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Dean:

Full Prof. Nina Begičević Ređep, Ph.D.





University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture

Ivana Lučića 5, 10002 Zagreb, Croatia
phone +385 1 6168222 | fax +385 1 6156940 | fsb.unizg.hr
VAT HR22910368449 | IBAN HR47 2360 0001 1013 4693 3



Klasa: 035-01/22-1/1
Urbroj: 251-66-1701-22-8
Zagreb, 24/1/2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

DEAN
Prof. dr. sc. Dubravko Majetić



H2O Robotics

Unska 3, 1000 Zagreb, Croatia

<http://www.h2o-robotics.com/>

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal**
ct: **CROBOHUB++: CROatian Industry and Society BOosting**
- European Digital Innovation HUB responding to the
European Digital Innovation Hubs (DIGITAL-2021-EDIH-
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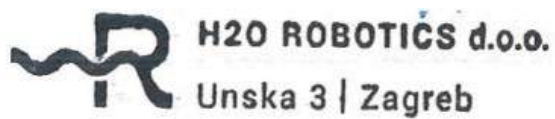
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Sincerely yours,



A handwritten signature in black ink, reading 'Vladimir Djapic'.

Vladimir Djapic, PhD
CEO H2O Robotics



AKADEMIJA TEHNIČKIH ZNANOSTI HRVATSKE
CROATIAN ACADEMY OF ENGINEERING

Croatian Academy of Engineering (HATZ) has been a Member of the International Council of Academies of Engineering and Technological Sciences (CAETS), Washington DC, USA, since 2000, and, since 2005, a Member of the European Council of Academies of Applied Sciences, Technologies, and Engineering (Euro-CASE), Paris, France, EU.

Croatian Academy of Engineering
10000 Zagreb, Kačićeva 28
www.hatz.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

President of the Croatian Academy of Engineering

Prof. Vladimir Andročec, PhD.



Coordinator

University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
E-mail nedjeljko.peric@fer.hr

Subject: Letter of support from Helb d.o.o. to Faculty of Electrical Engineering and Computing, project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Sincerely yours,

 **HEL B d.o.o.** Stjepan Horvat,
HR-Božjakovina director
10 

1 / 1



Ulica grada Vukovara 37
10 000 Zagreb



(0)1. 63.22.111



(0)1. 61.70.430



www.hep.hr

■ Sektor za informacijsko-komunikacijske tehnologije

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

■ NAŠ BROJ: **08-356/22**

■ VAŠ BROJ:

■ DATUM: **24.01.2022.**

■ **PREDMET:** Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Director

Jozo Berečić, dipl. oec.

HRVATSKA ELEKTROPRIVREDA d.d.
ZAGREB 7
Ulica grada Vukovara 37

■ HRVATSKA ELEKTROPRIVREDA - dioničko društvo (HEP d.d.)

Uprava društva

Predsjednik Uprave Frane Barbarić

Članovi Uprave Petar Sprčić | Tomislav Šambić

Predsjednik Nadzornog odbora dr.sc. Goran Granić

IBAN HR5323400091100010024

Matični broj 3557049

OIB 28921978587

Trgovački sud u Zagrebu MBS 080004306

Uplaćen temeljni kapital 19.792.159.200,00 HRK



Hrvatska
radiotelevizija

Croatian radiotelevision
Prisavlje 3
10000 Zagreb

No: 31-803/2022-310
Zagreb, January 26' 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,

Robert Šveb

Director General of HRT





Croatian Post Inc.

Jurišićeva 13
HR-10000 Zagreb
Tel: +385 1 4981002
e-mail: uprava@posta.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Ivan Čulo, CEO
Croatian Post Inc.

IVAN ČULO

05588836254

HP D.D.

87311810356

Elektronički potpisano: 9.2.2022. 12:05:53

Izdavatelj certifikata: AKD d.o.o

Provjera: <https://esign.id.hr/provjera>

Broj zapisa: 74321c23-b296-4d4f-a7ea-357bc7a9d971



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

HS Produkt d.o.o.

M. Bogovića 7
47000 KARLOVAC
CROATIA

OIB 99175363728
MB 1403133
IBAN HR9024000081190251778
VAT HR 99175363728
AEO HRAEOC4130114190026

Telefoni/ Phone no. +385 (0)47 / 666-666
+385 (0)47 / 666-668

Telefaks/ Fax no. +385 (0)47 / 645-594

E- mail: hs-produkt@hs-produkt.hr

http:// www.hs-produkt.hr

Karlovac,

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
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Sincerely yours,


HS PRODUKT d.o.o.
KARLOVAC, Bogovićevo 7
OIB:99175363728 
Željko Pavlin, CEO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
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Sincerely yours,

Mladen Šarlija, EMBA dipl.ing.
Director



INETEC-Institute for Nuclear Technology
Dolenica 28
10250 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,



2 Zrinka Corak, Ph.D

CEO

INFOBIP d.o.o.
52215 Vodnjan,
Istarska 157

Coordinator
University of Zagreb
Faculty of Electrical
Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the project proposal

CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB

responding to the

European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

We at Infobip are very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to **support** goals and efforts to be achieved in terms of digital transformation of companies and the public sector.

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Sincerely yours,

Infobip d.o.o.

Tomislav Pifar, director

DocuSigned by:

Tomislav Pifar

0021681229BF476...



Iskon Internet d.d.
Ulica Florijana Andrašeca 20; 10 000 Zagreb, Hrvatska
tel: 0800 1000
www.iskon.hr

OIB: 36779353407
Trgovački sud u Zagrebu, MBS: 070003298
Žiroračun kod ZABA: 2360000-1101208338
IBAN HR4623600001101208338

Iskon internet d.d.
Florijana Andrašeca 20
10.000 Zagreb

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

 **Iskon Internet d.d.**
Krešimir Madunović, Direktor/CEO

Iskra shipyard LLC
Obala Jerka Šižgorića 1
22 000 Šibenik

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

ISKRA brodogradilište 1 d.o.o.
Šibenik

Roko Vuletić, CEO , Dr. Aleš Ekar, CEO

JGL d.d.

Svilno 20, 51000 Rijeka

Digitalna izvrsnost

Marijo Volarević, direktor

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

JGL dd, by PoA



Marijo Volarević, CDO

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

KING ICT d.o.o.
ZAGREB 15



Plamenko Barišić

President of the Management Board

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,



Sergio Galošić, CEO
Klimaoprema d.d.
Za projektiranje, proizvodnju, postavljanje,
opravu i održavanje opreme za klimatizaciju
10430 SAMOBOR, GRADNA 78/A

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Gordan Kolak, M.Sc.
President of the Management Board
phone: +385 1 3667 188
e-mail: koncar.head@koncar.hr

Zagreb, 08 February, 2022

**Subject: Letter of support from the to the project proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation HUB responding
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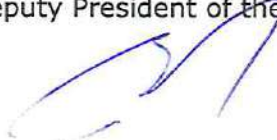
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Sincerely yours,

Ivan Bahun, Ph.D.
Deputy President of the Management



Gordan Kolak, M.Sc.
President of the Management Board



Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
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Sincerely yours,

For LED elektronika d.o.o.:

Ivor Jović, CEO
**IVOR
JOVIĆ**
Digitally signed
by IVOR JOVIĆ
Date: 2022.01.27
18:07:37 +01'00'

Zagreb, January 25th 2022

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

CEO


METAL PRODUCT
d. o. o.
Z A G R E B — Đačka 70
Igor Vrdoljak

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Šibenik, 10.02.2022.g.

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
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Sincerely yours,

MIAB d.o.o. Šibenik

Director:

Mate Burić, meeh.eng.

„MIAB“ d.o.o.
projektiranje, proizvodnja,
montaža, zastupanje, trgovina
i export-import. ŠIBENIK
OIB 66932913230

HR6624020061100512049 Erste & Steiermaerkische bank d.d. Zagreb | HR6723600001101435813 Zagrebačka banka d.d. Zagreb |

HR0325000091101470411 Addiko Bank d.d. Zagreb | HR1324070001100660080 OTP banka d.d. Zagreb |

HR1123400091110797665 Privredna banka Zagreb d.d. Zagreb | HR8324840081102791564 Raiffeisenbank Austrija d.d. Zagreb |
Trg. sud Šibenik, MBS: 060094182 | T. kap. 22.200,00 kn, upl. u cijelosti | Članovi uprave: Ankica Burić i Mate Burić



REPUBLIC OF CROATIA
MINISTRY OF AGRICULTURE

10000 Zagreb, Ul. grada Vukovara 78, P.P. 1034
Phone: (+385 1) 61 06 111, Fax: (+385 1) 61 09 201



Class: 650-01/22-01/4
Ref. No.: 525-05/0073-22-1
Zagreb, January 24., 2022.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

PREDMET: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian **I**ndustry and **S**ociety **BO**osting - **E**uropean **D**igital **I**nnovation
HUB responding to the **E**uropean **D**igital **I**nnovation **H**ubs (**DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,



MINISTER OF AGRICULTURE

Marija Vučković

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
Unska 3
10000 Zagreb

Attention: Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

Our Institution is very interested in the activities proposed by the CROBOHUB++ consortium and will be very pleased and honoured to support goals and efforts to be achieved in terms of digital transformation of companies and the public sector.

Through CROBOHUB++ networking with other European EDIHs, positive digital transformation practices will be adopted for the benefit of our manufacturing companies and other supporting institutions targeting sectors of agriculture, energy and environment, manufacturing industry, and public and state administration.

Our Institution recognizes this proposal as a project that could strengthen the capacity and application of digital and green technologies. It is of particular importance that the project is focused on key technologies that will contribute to the growth of technological readiness and maturity of our economy and the development of society as a whole, following three of the key areas of the Digital European Program (DEP): artificial intelligence, cybersecurity and high-performance computing.

Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Zagreb, 28.1.2022.

Sincerely yours,

mStart plus
d.o.o.



Mate Krpan, president of the Board

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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2021-EDIH-01) call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Mr.sc. Vladimir Kavur, dipl.ing.



TVORNICA AKUMULATORA I BATERIJA d.o.o., 10 000 ZAGREB HR, Koledovčina 3

Telefon:

Centrala: +385 (0) 1 2407-722
Telefax: 2404-416
Prodaja/nabava 2404-187
Telefax: 2404-915
Izvoz/uvoz: 2405-918
Financije tel/fax: 2406-064
e-mail: munja@munja.hr
[http: www.munja.hr](http://www.munja.hr)
OIB: 18961324564
IBAN: HR3524080021100002784

Coordinator University of Zagreb

Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021- EDIH-01)** call

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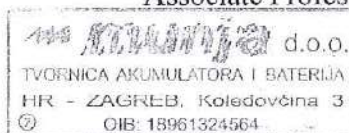
Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

MUNJA d.o.o.

President of Board

Associate Professor Ivan Miloloža, BSc, PhD





MURAPLAST d.o.o.
Sajmišna 16
HR - 40329 KOTORIBA
CROATIA

Tel. ++385 (0)40 683200
e-mail. info@muraplast.com
web. www.muraplast.com
VAT. HR16893266699

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Kotoriba 2.2.2022

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,


 MURAPLAST d.o.o.
Sajmišna 16
40329 Kotoriba 1

Davor Ujlaki/director



MANAGEMENT BOARD

Koprivnica, _____

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Non - binding Letter of support to the project **proposal CROBOHUB++:**
CROatian Industry and Society B0osting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.



MANAGEMENT BOARD

This non – binding Letter of support is made solely for the purpose of the aforementioned project proposal and cannot be used for any other purpose.

Sincerely yours,

For Podravka Inc.:

Martina Dalić, Ph. D.,
President of the Management Board

Ljiljana Šapina, M. Sc.,
Member of the Management Board



sjedište: Račkoga 3, 10000 Zagreb, Hrvatska
ured: Otona Kučere 5, 10000 Zagreb, Hrvatska
ured: Vukovarska 7, 21000 Split, Hrvatska
tel: +385 1 455 69 03, +385 1 461 09 03
e-mail: info@proning-dhi.hr
web: www.proning-dhi.hr



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,



PRONING DHI d.o.o.
CEO
M.Sc. Božidar Deduš
Dip. HE (Delft) Civ. Eng.

RASCO d.o.o.

Kolodvorska 120B, 48350 Kalinovac, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++: CROatian Industry and Society B0osting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Ivan Franičević

CEO





REPUBLIC OF CROATIA
OFFICE OF THE PRESIDENT

Doc. Class: 651-02/22-01/01
Ref. No.: 71-06/5-22-02
Zagreb, 31 January 2022

COORDINATOR
UNIVERSITY OF ZAGREB
FACULTY OF ELECTRICAL ENGINEERING AND COMPUTING
10000 Zagreb, Unska 3
Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support to the CROBOHUB++ project proposal: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

Dear Coordinator of the CROBOHUB++ project proposal,

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Sincerely yours,

SPECIAL ADVISER

TO THE PRESIDENT OF THE REPUBLIC
FOR ENERGY AND CLIMATE



Julijana Domac, Ph. D.

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society B0osting - European Digital
Innovation HUB** responding to the **European Digital Innovation Hubs
(DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

Mate Rimac, CEO

RIMAC
— TECHNOLOGY

Rimac Technology d.o.o., Ljubljanska 7,
10431 Sveta Nedelja, Croatia 3

Mia Despotović,
Direktorica sektora za razvoj poslovanja

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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Sincerely yours,



Mia Despotović



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from Siemens d.d. to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Therefore, we are firmly convinced that the CROBOHUB++ proposal is a very interesting project to support and accelerate strategic planning of the sectors targeted with this project proposal in the Republic of Croatia.

Sincerely yours,

Medeja Lončar

President of the Management Board

Siemens d.d.
President of the Management Board: Medeja Lončar

Heinzelova 70a
HR-10000 Zagreb

Tel: +385 1 6105 222
Fax: +385 1 6105 181
www.siemens.hr

Siemens d.d., President of the Supervisory Board: Wolfgang Hesoun, Management Board: Medeja Lončar, president; Sandra Žilić, member
Registered office: Heinzelova 70a, Zagreb; IBAN: Zagrebačka banka d.d. HR1023600001101224506; Raiffeisenbank Austria d.d. HR2624840081100236834.
The company is entered in the court register of the Commercial Court in Zagreb under no. 080042313. Share capital: HRK 37.170.360,00.
929,259 issued shares with the value of HRK 40,00 each. VAT registration number: 3218384, VAT ID HR12673471493, Personal Identification Number: 12673471493

SOLARIS PONS d.o.o.
Vukovarska 131
31000 Osijek

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,

Director SOLARIS PONS d.o.o.
Jurica Gorup

Osijek, 08.12.2020. 28260438524

SOLVIS d.o.o.
Ulica Vesne Parun 15
PP 113
HR-42000 Varaždin
Hrvatska-Croatia
T +385 42 262 250
F + 385 42 241 100
info@solvis.hr
www.solvis.hr

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3
Profesor Emeritus Nedjeljko Perić
e.nedjeljko.peric@fer.hr

Datum: 25.01.2022.

SUBJECT: Letter of support from the to the project proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB responding to the European Digital Innovation Hubs (DIGITAL-2021-EDIH-01) call

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Sincerely yours,

SOLVIS d.o.o.

Stjepan Talan, CEO

SOLVIS d.o.o. je upisan pod brojem MBS 090021197, OIB 80258164780 kod Trgovačkog suda u Varaždinu.
Temeljni kapital: 10.388.000 kuna uplaćen u cijelosti.
Predsjednik Uprave: Stjepan Talan
Žiro računi:

- Zagrebačka banka d.d. Zagreb, IBAN HR6323800001102140105, SWIFT: ZABAHR2X
- Privredna banka Zagreb d.d. Zagreb, IBAN HR0723400091110283249, SWIFT: PBZGHR2X
- Erste&Steiermärkische Bank d.d. Rijeka, IBAN HR6024020061100773087, SWIFT: ESBCHR22





University of
Zagreb

Professor **Damir Boras**, Ph.D.
RECTOR

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Innovation
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Sincerely yours,



Professor Damir Boras, Ph.D.



Sjedište: HR 10410 Velika Gorica, Nikole Šopa 28
Proizvodnja: HR 10090 Zagreb, Velimira Škorpika 1b
tel./cent: + 385 1 3440 900
fax.: + 385 1 3440 910
email: tc.mold@teh-cut.hr
www.teh-cut.hr
OIB:04502469231

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:
CROatian Industry and Society BOosting - European Digital Inno-
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Sincerely yours,

Direktor

Duško Radović, ing

TEH-CUT
d.o.o. za proizvodnju, tehnološke
usluge i trgovinu
VELIKA GORICA, Nikole Šopa 28



ECO INDUSTRY



TEHNIX d.o.o. Braće Radica Street 35, 40320 DONJI KRALJEVEC, CROATIA
reception-sale: +385 40 650 100, fax: +385 40 650 108
e-mail: tehnix@tehnix.com, web: www.tehnix.com

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

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Sincerely yours,

Donji Kraljevec, 24.01.2022.

Letter No. 012/24-01-2022

TEHNIX d.o.o.
CEO
Đuro Horvat

„TEHNIX“ d.o.o.
DONJI KRALJEVEC 8



SGS TEHNIX YOUR PARTNER IN ENVIRONMENTAL PROTECTION



Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the Tomo Varga d.o.o. to the project **proposal CROBOHUB++: CROatian Industry and Society BOosting - European Digital Innovation HUB** responding to the **European Digital Innovation Hubs (DIGITAL-2021-EDIH-01)** call

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Sincerely yours,

TOMO VARGA
d.o.o. za proizvodnju, trgovinu i prijevoz
ZAGREB Črnojezerska 20

Matko Mihalić



TPK OROMETAL

TPK Orometal d.d.
Milana Prpića 118
49243 Oroslavje, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Subject: Letter of support from the to the project **proposal CROBOHUB++:**
CROatian Industry and Society BOosting - European Digital Innovation
HUB responding to the **European Digital Innovation Hubs (DIGITAL-**
2021-EDIH-01) call

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TPK OROMETAL d.d.
za proizvodnju kotlova i prehrambeno
procesne opreme 3
OROSLAVJE — M. PRPIĆA 118

[Dragutin Družinec, BSc / General Manager]



Utilis d.o.o.
Fallerovo šetalište 22
10000 Zagreb

Coordinator
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Goran Polonji
UTILIS d.o.o.
Z A G R E B

Coordinator
University of Zagreb
Faculty of Electrical Engineering and Computing
10000 Zagreb, Unska 3

Professor Emeritus Nedjeljko Perić
e. nedjeljko.peric@fer.hr

Hum na Sutli, 9.2.2022.

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Sincerely yours,

Vetropack Straža d.d. Hum na Sutli


Tihomir Premužak
President of the Management Board

*Vetropack Straža d.d.
Hum na Sutli*

Visage Technologies d.o.o.
Ivana Lučića 2a/15,
10 000 Zagreb, Croatia

Coordinator
University of Zagreb
Faculty of Electrical Engineering and
Computing
10000 Zagreb, Unska 3

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Gordan Kreković, CEO



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Sincerely yours,



Bruno Birgmajer



Work-ing d.o.o.
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42202 Trnovec Bartolovečki
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Fax: + 385 42 658 740

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