

# D.C. 4.2 PARTICIPATION TO EXTERNAL EVENTS

---

D.C. 4.2 Report - DIGITAL CROSS-  
FERTILISATION ROUNDTABLE

---

Final version  
04/2021





## 1. Name of the event, implementing date and place

Name: →

DIGITAL CROSS-FERTILISATION ROUNDTABLE;

Innovation roundtable

Strengthening innovation capacity, Industry 4.0 and digitalization

Date →

29<sup>th</sup> April 2021 10:00-12:30

Place →

ONLINE- ZOOM Platform

## 2. Number and types of participants/target groups

In the roundtable session 34 participants took part, including the representatives of the invited project partners, as well the representatives of the JS-as organiser-.

## 3. Topics tackled and links to deliverables, outputs

4STEPS project- together with other projects in CENTRAL EUROPE was invited to participate in the thematic roundtable meeting of projects addressing topics related to Advanced Manufacturing and Industry 4.0 as well as Digitalization to share and discuss the most relevant outputs and results of your Interreg CENTRAL EUROPE project with thematically related projects of the programme community.

Due to the high interest in participation in this roundtable time slots for presentations during the meeting were assigned to projects through a “competitive” yet democratic procedure.

For this reason, all the projects were requested to prepare a short screen recording (max 5 min), in which they presented the selected output/s and provide.

CNA, as LP, and PBN as WPT1 Leader were agreed to contribute to the roundtable together, and they prepared a common video, which was sent to the JS.

4STEPS project was selected- with the highest votes- so our project had the possibility to present the main results of the project achieved so far (transnational SME analysis, I4.0 Supporting tool catalogue)

In the roundtable presentation we tackled all deliverables achieved in WPT1



## 4. Expected effects and follow up

The aim of the meeting was to bring together representatives of running CE projects, that aim at strengthening innovation capacity of their regions. The addressed projects develop, among others, approaches and services enhancing innovation performance of businesses operating in various sectors (including Advanced Manufacturing) and facilitate their response to challenges of 4th Industrial Revolution and digital transformation.

The meeting was an excellent opportunity for sharing and discussing your outputs, results and good practices with the peers in other Interreg CENTRAL EUROPE projects. During this session, there was a chance to present a highlight from the selected projects, and find out what other projects are working on, and discuss with them possible synergies and common challenges. Apart from 4STEPS, three other CE projects were presented, namely CEUP2030, CAIN REACTIONS and ECOS4IN, but further CE projects' representatives also belonged to the attendees.



## 5. Annexes: e.g. agenda of the event, pictures, media coverage web- links etc

# DIGITAL CROSS-FERTILISATION ROUNDTABLE

Innovation roundtable	29 April 2021
Strengthening innovation capacity, Industry 4.0 and digitalization	10:00-12:30

### AGENDA

9:45	<b>Connection to the virtual meeting room</b> <i>Meeting link:</i> <a href="https://zoom.us/j/91996756315?pwd=Q3ZlVllvSTYrSXJSckZlR2RySkdpUT09">https://zoom.us/j/91996756315?pwd=Q3ZlVllvSTYrSXJSckZlR2RySkdpUT09</a>
10:00	<b>Welcome and introduction</b> Roundtable objectives and introduction of participating projects by JS.
10:10	<b>Presentations of selected outputs/projects and discussion on potential synergies</b> The presentations (about 10 min per project) by LPs/PPs of <u>four</u> projects ranked highest (as the projects where the most potential for synergies and exchange is seen) in a vote taken prior to the meeting followed by a Q&A session after each project (max 5 min). 4STEPS ECOS4IIN CEUP2030 CHAIN REACTIONS One additional time slot is foreseen for Q&A addressing all other participating projects depending on more specific and individual interests of participants.
11:25	<b>Break</b>
11:30	<b>Continued discussion on synergies ( if needed) and exchange on project implementation challenges</b> <ul style="list-style-type: none"> <li>• Break-out rooms: Parallel discussions to continue exchange on synergies (if needed) and facilitate exchange on common implementation challenges and possible solutions.</li> </ul>
12:15	<b>Plenary session</b> <ul style="list-style-type: none"> <li>• Follow-up and summary of groups discussions</li> </ul>
12:30	<b>Wrap-up and closure</b>

#### *End of workshop\**

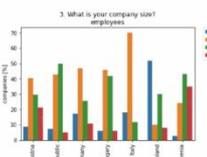
\* After the official end of the roundtable, participants will have the chance to stay in the room for additional 30 minutes/1 hour for more informal discussion and exchanges. (upon request)



Zoom meeting interface showing a slide titled "Analysis".

**Analysis**

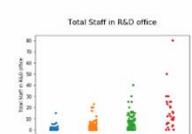
3. What is your company size? employees



turnover / year - employees

turnover / year	up to 9 employees	up to 49 employees	up to 249 employees	more than 249 employees
more than 50 M€ / year	0.0%	0.0%	0.0%	9.5%
up to 50 M€ / year	0.0%	0.0%	17.9%	2.5%
up to 10 M€ / year	0.0%	11.7%	14.9%	0.0%
up to 2 M€ / year	15.5%	22.8%	3.6%	0.0%

Total Staff in R&D office



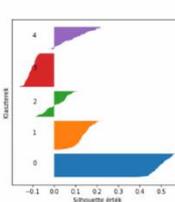
- Customer is the driver for new services for smaller companies versus internal driver for larger businesses
- Limited current adaptation in 10 digitalization areas
- Intended development in IIoT, simulation and big data analytics
- New customers, new markets and agile production are motives

TAKING COOPERATION FORWARD 6

Zoom meeting interface showing a slide titled "Clustering".

**Clustering**

- Type of clusters
  - 1st group - refusal of digital technologies usage and no interest
  - 2nd group - less negative, yet limited interest
  - 3rd group - innovative mid-caps, large R&D and technical office
  - 4th group - ones that did not respond but active in EU projects
  - 5th group - motivated and few current usage of digital technology
- 65 SMEs and midcaps selected



K-prototypes function with Silhouette value

TAKING COOPERATION FORWARD 7



Zoom meeting interface showing a slide titled "TML Index".

**TML Index**

re\_LAB and CNA developed - 6 dimensions

$$TML = \frac{\sum_{i=1}^6 D_i}{6} \quad M_i = \frac{\sum_{d=1}^n M_{Di} * g_D}{\sum_{d=1}^n g_D}$$

1. Difference of sectors of suppliers/buyers versus firms' sectors
2. Share of graduates in R&D departments/relevant occupations
3. Capability to raise funds for to innovative activities
4. Internal and external R&D
5. Number of Industry 4.0 technologies in which the firm is operating
6. Depth of Industry 4.0 technologies (what extent they are used)

Below the list is a screenshot of a data table with columns for various metrics.

Application flow:

- TML applied to the CRM
- Selection of Pilot companies
- Each partner selects 10 SMEs

TAKING COOPERATION FORWARD 8

Zoom meeting interface showing a slide titled "Industry 4.0 Service Catalogue".

**Industry 4.0 Service Catalogue**

Collaboration with Partners

**What?**

- Partners' current competencies/services and short-term plans in the 9 Industry 4.0. pillars
- Partners' services on Innovation enabling factors (e.g.: Human Capital; R&D)
- Connections with relevant stakeholders

**Why?**

- Companies - based on their interest - can find services provided by Partners

**When?**

- December 2019- March 2020

**Where?**

- Google Classroom (credentials given on project website)+ pdf version

TAKING COOPERATION FORWARD 9



Zoom Meeting interface showing a presentation slide titled "Industry 4.0 Service Catalogue". The slide content includes:

- 1. 4steps I4.0 supporting tool catalogue**
  - Introduction of the project
  - Short summary of SME involvement on tran...
  - Objective of this current Supporting Catalo...
- 2. General Introduction of the project partners**
  - John Binka Kompara
  - Julia Kuc...
  - Regional Development Agency Bratislava Bratis...
  - University of Applied Sciences
  - W&M Association Center
  - Partner Agency Network Association
  - Chairman of Committee of Slovakia
  - Central European Center
- 3. Partners competences and services in I4.0**
  - Autonomous robots
  - Simulation
  - Horizontal and vertical system integration
  - Industrial Internet of Things
  - Cybersecurity
  - Cloud technologies
  - Additive manufacturing
  - Augmented Reality
  - Big data and analytics
- 4. Partners planned services in I4.0 pillars**
  - Human Capital and Competences
  - Fundraising
  - Research and Development
  - Internationalization
- 6. Connections with relevant stakeholders**
  - Partners' current links to 3rd party stakeholders...
  - Partners' links to national DfIs
  - Partners' connections with further relevant ...

The interface also shows a list of 34 participants on the right side.

Zoom Meeting interface showing a grid of 23 participants. The participants list on the right includes:

- Klaudia Keringer, Robert Ném... (Me)
- Frank Schneider (JS) (host)
- Angélica van Es (JS) (Co-host)
- Viktória Dobravec (JS) (Co-host)
- Aleksandra Gabriel (CEUP2030)
- Doris Ehrlinger (ProsperAMNet)
- František Janků (CTV/CIRCLE)
- Iris Reingrub (ECOS4IN)
- Luc Scherber (CHAIN REACTL...)
- Marcella Confini 4STEPS CNA ER
- Balázs Barta, Martin Dan (4STEP...)
- Boris Golob Boost4BSO
- Breuer Eva
- Monika Machowska CEUP2030
- Péter Bodor-Pesti (Transform4.0)
- diego tomasi (transform4.0)
- Giulia Righetti (4STEPS)
- Katerina Komrskova/CE-Connec...
- Luca Masiero (Transform)
- Reinhard Streinleweger (Trans...
- Roland Willmann - SHSubsICE ...