
Output factsheet: Strategies and action plans

Version 2

Project index number and acronym	CE634 - 3DCentral
Lead partner	IDM Suedtirol Alto Adige
Output number and title	O.T1.2 - Transnational roadmap including action plan development for 11 selected CE relevant knowledge axes
Responsible partner (PP name and number)	IDM Südtirol - LP, with support of Pomurje Technology Park - PP8
Project website	www.interreg-central.eu/3DCentral
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Summary description of the strategy/action plan (developed and/or implemented)

Through the consolidation of regional and national strategy in the area of Smart Engineering and Rapid Prototyping (“SE/RP”) into one transnational roadmap which focuses on content-related Knowledge Axes (KACE), organizations in Central Europe will be able to develop a much clearer perspective on the market opportunities (and associated market challenges) that exist within and external to the participating regions. The roadmap breaks the strategy down to activities an organization or group of organizations will undertake over a specified timeframe to achieve stated goals and outcomes. It is an evolving document by which a roadmap was created and implemented, while in later phase it will be monitored and updated, if necessary (see Deliverable D.T1.5.1)

Each Roadmap and action plan is providing the future development process of each KACE

1. Additive Manufacturing	PK, IWU
2. 3D Design/Engineering/Scanning	IDM, PBN
3. Smart an functional materials	IWU, PK
4. Digital life	TPLj, EVO
5. Technologies for sustainable manufacturing	AFIL, TPLj
6. Virtual an augmented reality	WRS, IDM
7. Value added virtual supply chains	PTP, AFIL
8. Smart services	PBN, CAM
9. Robotics	KTP, WRS
10. Mechatronics	CAM, PTP
11. CE brainbase	EVO, KPT

Each KACE topic is divided into subtopics by partners of the project, after which different cooperation actions were identified in order to help partners prepare for further activities of the project, while also helping Associated partners and external stakeholders to identify opportunities in the future. Cooperation actions were including R&D projects, trainings and strategic actions, which are planned by partners within the timeline of the project or beyond its implementation.

Action plans are representing the solid ground for activities for the two following thematic work packages where R&D projects will present the basis for capitalization, trainings will present the content for Moodle platform, while strategic actions are thematic objectives for workshops with stakeholders.

NUTS region(s) concerned by the strategy/action plan (relevant NUTS level)

The tool has been developed and implemented in following NUTS2 regions: ITH1 - Provincia Autonoma di Bolzano/Bozen; ITC4 - Lombardia; AT22 - Steiermark; DED4 - Chemnitz; DE11 - Stuttgart; SI02 - Zahodna Slovenija; SI01 - Vzhodna Slovenija; HU22 - Nyugat-Dunántúl; PL21 - Małopolskie; (within follow up projects additional NUTS regions were involved- see projects)

Expected impact and benefits of the strategy/action plan for the concerned territories and target groups

Impacts and benefits of the roadmap with action plan is following:

- SMEs and Large enterprises can either teach their employees in different thematic areas which are being prepared or created in the territory and they can join the initiative of common cooperation projects. In a long term they benefit from talents with the right knowledge and the right skills for tomorrows challenges.
- Higher Education and Research organization are able to see training curricula or thematic areas which should be covered by their respective educational program. Additionally, they can observe in which R&D projects they could cooperate with SMEs or Large enterprises. Study programs can be adapted now to future needs of industry.
- Regional and national authorities of all regions can exploit the developed transnational strategy and action plans to check and improve the actual smart specialization strategies
- Business support organization (Technology Parks, Chamber of commerce, clusters...) can learn about to combine thematic areas and collaborate with other regions and help their members with technology transfer within identified topics.

Sustainability of the developed or implemented strategy/action plan and its transferability to other territories and stakeholders

The transnational roadmaps and the action plans are the solid basis for the activities in thematic work package T2-Improve and T3-Practice, where stakeholder workshops will be organized to further test the roadmap and associated action plans, and gain evaluation on relevance across Central Europe's regional and national ministries.

The output O.T1.2 will be maintained after the project end by continuous interregional cooperation with the established partnerships. One concrete example is the International Mechatronics Forum, an interregional event organized since 12 years by several regional mechatronics clusters, hosted every year in a different region. September 19th and 20th 2018 it will take place in NOI Techpark, Bolzano, South Tyrol for the first time, hosted by IDM and involving all project partners, the yearly basis of the event with changing location guarantees sustainability.

In addition the transnational strategy developed with our stakeholders within 3DCentral is a precious input and update for regional and national roadmaps and action plans of all partner regions, which sometimes lack of stakeholder involvement due to time or cost restrictions. The commonly discussed and agreed KACE topics cover the fields of action with the highest potential and guarantees sustainability in future action plans. This is necessary to adapt the available local funding opportunities to the real need of the companies.

The action plan is easily transferrable to other territories and stakeholders as it is formalized in an excel document and easily understandable. Also, KACE topics and subtopics are very similar in all other territories/regions in Europe and on global scale, which is why it can present a very good basis for transfer. To support transferability our strategy is to build on existing institutional, research and business cooperation, acting as testimonials and motivating further internationalization.

Lessons learned from the development/implementation process of the strategy/action plan and added value of transnational cooperation

Lessons learned from the development/implementation process are connected to common approach of all partners, which was divided into 4 phases, from planning to a vision creation, which was followed by development process and finally evaluation. These 4 phases are creating a common approach, which is needed when different knowledge actors and stakeholders are creating such an important document as the roadmap is.

The needs of the partner regions differ between developed and emerging, between metropolitan and rural or between countries.

Single elements of the actual strategy were already available and in action in some partner regions, but with the common development a clear picture was painted and all partners were reinforced by the strategic framework for their individual actions. The transnational cooperation is very much needed and desired in this process of creating such document, since each region has its own specialties regards to the different topics and each one can contribute to creating not just action plans for their respective region or country but can also help developing the thematic areas in other regions.

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

The output of the project is directly link to following deliverables of the project:

- D.T1.5.1: Transnational roadmap including an action plan for 11 selected CE relevant knowledge axes