

OUTPUT FACT SHEET

Strategies and action plans

Version 2

Project index number and acronym	CE1519 CHAIN REACTIONS
Output number and title	O.T4.2 (1/5) Transnational Innovation Agenda for Advanced manufacturing sector
Responsible partner (PP name and number)	Panonian Business Network Association (PBN), PP1 Regional Development Agency of the Pilsen Region (RDA), PP5
Project website	https://www.interreg-central.eu/Content.Node/CHAINREACTIONS.html
Delivery date	March 31, 2022

Summary description of the strategy/action plan (developed and/or implemented), explaining its main objectives and transnational added value

Among the external factors that affect or may affect the competitiveness of each country in the future are the so-called megatrends, defined as a large, social, economic, political, environmental or technological change that is slow to form. Within this context the advanced manufacturing and utilisation of new technologies can mostly help to overcome the challenges faced by the aging population.

The Transnational Industrial Innovation Agenda (TIIA) for the Advanced manufacturing, is aiming to achieve the development in two main activities which are:

- Fostering the collaboration in the Digital innovation hub networks
- Expanding the usability of the virtual reality in the medical sector

Based on this premises the following innovation actions were identified:

- 1) Development of collaboration in the Digital innovation hub networks to develop research activities, create educational programmes and develop strategies to harmonise approaches, which will be implemented between 2022 and 2027 in the expected worth of 1.350.000 EUR.
- 2) AR/VR in medical sector in order to increase the quality, efficiency and volume of physical and mental rehabilitation using VR and Motion Tracking technologies. The activity is planned to take place between 2022 and 2024 in the total worth of 180.000 EUR.

The activities were planned on the base of the methodology developed within the Chain Reactions project, where joint preparation and decision of activities was implemented between the duo partners of the Advanced manufacturing sector.

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

NUTS regions on NUTS2 level that are concerned in the implementation of the action are: Nyugat.Dunántúl (HU22) in Croatia, and Jihozápad (CZ03) in Czech Republic.

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

Based on the developed agenda future project will be developed and commonly implemented, thus the agreed activities will be carried out, reaching the impact for end users - aging population - which will be added in assisted living by technological support developed through the two activities of Advanced manufacturing: collaboration in DIH (research and production end) and more directly AR/VR in medical sector (aging population).

By providing benefits to the aging population there is an expected prolongation of independent living and reduction of costs for health care and general care for elderly population, while raising their quality of living. This will on one hand reduce the stress on the workforce in health industry and also on the other prolong the capability to utilize the experience of advanced aged population in a productive way.

The uptake will begin in 2022, when both activities are expected to begin its implementation.

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

These activities are planned to take place in the periods of 2022 - 2027 and 2022 - 2024. Therefore the sustainability will be assured by post project cooperation of responsible partners, further reflected in activities 4.3, where the project partners agreed upon the further cooperation with creation of Transnational open spaces.

The results of the developed activities will directly provide benefit for the end users (aging population), which is sharing similar needs in different regions, therefore the technology developed can be of benefit in other regions as well. But more importantly, the process of identification and setting up joined activities is the one that can be replicated to other regions, to specifically utilise their regional strengths to address their regional needs. This is also the most important lesson learned during the process.

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

List of relevant deliverables and outputs:

D.T4.2.1-1 Transnational innovation agenda workshop #1 organized separately by PP1 (PBN) and PP5 (RDA)

D.T4.2.2-1 Transnational innovation agenda workshop #2 organized jointly by PP1 (PBN) and PP5 (RDA)

D.T4.2.3 - Transnational industrial innovation agenda for Advanced manufacturing sector

O.T4.2-1 - Transnational Innovation Agenda for the Advanced manufacturing sector

The deliverables and outputs can be found under the section of DELIVERABLES on the project website:

<https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html>