

OUTPUT FACT SHEET

Innovation networks

Version 2

Project index number and acronym	CE1519 CHAIN REACTIONS
Output number and title	O.T4.1 (4/5) Thematic industrial innovation roadmap for health sector
Responsible partner (PP name and number)	Camera di Commercio Industria Artigianato Agricoltura Padova (CCIAA Padova); PP3 Górnośląska Agencja Przedsiębiorczości I Rozwoju Sebastian. Z o.o. (GAPR); PP11
Project website	https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html
Delivery date	March 31, 2022

Summary description of the established innovation network explaining its structure, functions and transnational character

Transnational network of innovations stakeholders for the health sector builds its strategy on the performed Value Chain Analysis and developed Transnational Pilot, presenting the main guidelines for planning, and implementing sectoral actions.

Medical technology utilizes the latest technologies, determining the status of medical device industry. Key technologies supporting medical device sector are 3D printing including bio-printing, Augmented Reality, Surgical Robotic Systems and Artificial Intelligence.

Therefore, a network, managed in a democratic way by PP3 CCIAA and PP11 GAPR, was set up consisting of various organizations:

- From Italy: Galileo Visionary District; SMACT Competence Centre; T2I - regional agency for innovation; Biomedical Observatory; Industrial Entrepreneurial Association; Craftmanship association; University of Padova; Other networks representing the biomedical sector
- From Poland: Foundation for the development of cardiology; Łukasiewicz Research Network - Institute of Medical Technology and Equipment; Katowice Special Economic Zone - Subzone Gliwice; Silesian Competence Center for Industry 4.0; SMEs, LEs of MedSilesia cluster; Silesian Medical University; Silesian Marshall Office
- partners: Pannon Business Network; bwcon GmbH.

NUTS region(s) concerned by the innovation network (relevant NUTS level)

NUTS regions on NUTS2 level that are involved in the implementation of the roadmap are:

Veneto (ITH3) in Italy, and

Śląskie (PL22) in Poland.

Expected impact and benefits of the innovation network for the concerned territories and target groups

The aim of all the activities is to establish a constant exchange of good practices and transnational cooperation among SMEs and researchers in the health sector. These activities will lead to increased use of new technologies for production or further development.

The main beneficiaries of these activities will thus be producers of medical devices and researchers, who will further develop and produce improved medical devices and solutions for the health sectors, strengthening or improving their position in existing value chains, or providing individual solutions for direct customers.

Therefore the benefits of the network are the support and management of a transnational value chain based open spaces for RIS3 implementation in the health sector.

Sustainability of the innovation network and its transferability to other territories and stakeholders

TNIS plays an important role as a regional and transnational promoter of value chain innovation in the bioeconomy sector. The network will promote and guide the establishment of sustainable Transnational open collaboration space with a view to putting the set objectives into practice.

The biggest trends that will shape and propel the industry growth in the forecast period is the rise of geriatric population, the growing prevalence of chronic condition, along with growth in surgical procedure, and complex surgeries. This trend indicates future needs for medical device industry and its further development. As this demographic situation applies to most European regions, the reason for setting up the network is very much transferable, as well as technology and products that will be developed as the result of the network activities.

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

List of relevant deliverables and outputs:

D.T4.1.6_CCIAA - workshops conducted by PP3 (CCIAA) in collaboration with PP11 (GAPR) for the preparation of industrial innovation roadmap in the bioeconomy sector

D.T4.1.6_GAPR - workshops conducted by PP11 (GAPR) in collaboration with PP3 (CCIAA) for the preparation of industrial innovation roadmap in the bioeconomy sector

D.T4.1.10 - transnational industrial innovation roadmap for the Health sector

D.T4.1.17_CCIAA - Industrial innovation workshop conducted by PP3 (CCIAA)

D.T4.1.17_GAPR - Industrial innovation workshop conducted by PP11 (GAPR)

O.T4.1.5 - Thematic industrial innovation roadmap for the Health sector is presented.

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>