



## Transnational Innovation Agenda for Advanced manufacturing sector

This Transnational Innovation Agenda for Advanced manufacturing sector was prepared by the project partnership of the Chain Reactions project as Output O.T4.2: **Transnational Innovation Agenda**, in order to define the joint activities that will allow for the implementation of Thematic Industrial Innovation Roadmaps (O.T4.1).

Name of Activity	Timeframe	Partners involved	Expected impact	Estimated costs	Source of funding	Geographical scope
Development of collaboration in the Digital innovation hub networks	2022-2027	PBN, RDA, WTP	<p><b>Development of research activities:</b> The research activities will focus mainly on the field of automation and robotics utilisation, where optimisation algorithms and artificial intelligence will be developed. Further activities will be focused on man-machine interfaces supported by VR and AR technologies.</p> <p><b>Creation of educational programmes:</b> All partners feel, that there are still shortcomings in the staff training in digitization techniques. One part of TIA will be focused on the development of special detailed trainings for deepening the employees knowledge.</p>	1.350.000 EUR	Interreg CE / Digital Europe	Transregional



			<b>Development of strategies:</b> Strategies bridging the gaps between political proclamations, companies' capabilities and smart specialisation strategies must be developed in order to harmonise the approaches.			
AR/VR utilisation in medical sector	2022-2024	PBN, RDA, GAPR	<p><b>Musculoskeletal therapy:</b> rehabilitation in the virtual world and transform the therapy session into a gamified experience in VR</p> <p><b>Neurorehabilitation:</b> helps stroke patients and patients with functional disorders to unblock barriers and improve physical condition faster by hacking perceptions of reality.</p> <p><b>Ergotherapy:</b> teach patients to perform their typical daily activities in VR (training sessions?) or with special apps</p>	480.000 EUR	Interreg CE / Horizon	Transregional