

WPT4

D.T4.3.5

---

Transregional exploitation plan for bioeconomy sector

Version 1  
03 2022

---





<b>Project information</b>	
Project Index Number:	CE1519
Project Acronym:	CHAIN REACTIONS
Project Title:	Driving smart industrial growth through value chain innovation
Website:	<a href="https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html">https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html</a>
Start Date of the Project:	01.04.2019
Duration:	36 Months
<b>Document Control page</b>	
Deliverable Title (overall):	D.T4.3.1-5: Transregional exploitation plans
Deliverable Title (target sector):	D.T4.3.5 – Transregional exploitation plan for bioeconomy sector
Lead Contractor of the Deliverable:	PP2 – Styrian Technology Park
Responsible PP duo:	PP9 – Bioeconomy Cluster PP7 – Wroclaw Technology Park
Authors:	PP9 – Bioeconomy Cluster PP7 – Wroclaw Technology Park
Contractual Delivery Date:	31.12.2021
Actual Delivery Date:	24.03.2022



## Table of content

<b>1</b>	<b>INTRODUCTION .....</b>	<b>3</b>
<b>2</b>	<b>TEP for the bioeconomy sector .....</b>	<b>4</b>
2.1	Background.....	4
2.2	TEP setup.....	5
2.3	Stakeholder role within TEP .....	6
<b>3</b>	<b>Conclusions .....</b>	<b>7</b>

## Abbreviations

BEC – Bioeconomy Cluster

DIH – Digital Innovation Hub

EDIH – European Digital Innovation Hub

IGA – Innovation and Growth Alliance

TIA – Transnational Innovation Activities

TIIA - Transnational industrial innovation Agenda

TEP – Transnational Exploitation Plan

WTP – Wrocław Technology Park S.A.



## 1 INTRODUCTION

CHAIN REACTIONS project addresses the challenge for industrial regions not benefitting from innovation activities from large leading corporations to increase regional capacity to absorb new knowledge and turn it into competitiveness edge and business value. There is a strong need to help SMEs to overcome capacity shortages for innovation and integration into transnational value chains. The project aims at empowering regional ecosystems with the knowledge and tools to help businesses overcome those barriers and generate sustained growth through value chain innovation.

In order to create transnational open spaces for collaboration (e. g. value chain based) the activities for Building open collaboration spaces for transnational RIS3 implementation (WPT4), will be based on previous project activities, mostly IGAs established in each of the target regions (O.T2.1) and Value chain innovation models and instruments implemented in each target region as a driver to S3 (O.T3.2).

More specifically, the activities for preparation of **Thematic transnational exploitation plans and open collaboration spaces** (O.T4.3) will be based on **Thematic industrial innovation roadmaps** (O.T4.1), which have been developed in each of the selected industrial sectors by transnational networks of relevant innovations stakeholders will be established and build on identified technological and societal trends of potential innovative developments (technologies, processes, business models and their interactions) and **Thematic innovation agendas** (O.T4.2).

For the purpose of setting up Thematic transnational exploitation plans and open collaboration spaces two activities will take place:

- A.T4.3.1-5: Transregional exploitation plan (TEP) for each of the 5 identified sectors
- A.T4.3.6-10 Transnational open space (TOS) for each of the 5 identified sectors

Overall, the thematic innovation agendas are one of the three outputs within the WPT4, linking the identified potential with plans for transnational exploitation:

- O.T4.1 Thematic industrial innovation roadmaps;
- O.T4.2 Thematic innovation agendas;
- **O.T4.3 Thematic transnational exploitation plans and open collaboration spaces.**



## 2 TEP for the bioeconomy sector

### 2.1 Background

The TEP is based on the previous project activities:

- D.T4.1.6 - Transnational industrial innovation roadmap workshop,
- D.T4.1.11 - Transnational industrial innovation roadmap for the bioeconomy sector,
- D.T4.2.2 - Transnational innovation agenda workshop 2,
- D.T4.2.7 - Transnational industrial innovation agenda for the bioeconomy sector.

The Transnational Industrial Innovation Agenda (TIIA) for the bioeconomy, is aiming to set the basis for the smooth digital transformation of agri-food SMEs in Slovakia and to ensure continuous transfer of knowledge on technological opportunities at transnational level.

One of the key activities in this respect is related to the establishment of DIH in agri-food in Slovakia. This was designed as a follow-up activity of other projects, where BEC had been involved and started its efforts in establishing a DIH. These activities were upgraded by CHAIN REACTIONS, where several transnational exchanges with project partners took place and moved forward the idea of DIH in agri-food.



## 2.2 TEP setup

Transregional exploitation plan for the bioeconomy sector, based on the TIIA of the Nitra region (Slovakia) and Wrocław region (Poland):

<b>Transnational industrial innovation agenda for the bioeconomy sector</b>						
<b>Name of TIA</b>	<b>Timeframe</b>	<b>Partners involved</b>	<b>Expected impact</b>	<b>Estimated costs</b>	<b>Source of founding</b>	<b>Transnational stakeholders</b>
Digital transition of the agri-food sector in Slovakia	2021 - 2025	PP9 BEC PP7 WTP	Digital transformation of agri-food sector	5 000 000 €	ESIF + private sources	Slovak University of Agriculture in Nitra, National Agricultural and Food Centre, WTP/EDIH Wrocław, Balluff



### 2.3 Stakeholder role within TEP

The following stakeholders of Nitra region and Wroclaw region will be responsible for the implementation of the TEP.

Stakeholder	Region	Role within TEP
<b>Slovak University of Agriculture in Nitra</b>	Nitra	One of the key partners in DIH consortium acting as a provider of expertise and infrastructure. The structures existing within the university will be also used for the activities of DIH (e.g. Research Centre AgroBioTech, EIT Food Hub, Food Incubator, etc.).
<b>National Agricultural and Food Centre</b>	Nitra	Partner in DIH consortium, provider of decision support tools for agri-food stakeholders.
<b>WTP/EDIH Wrocław</b>	Wroclaw	Knowledge transfer partner supporting BEC in the process of designing and establishing DIH in agri-food and cooperation at EDIH Wrocław. WTP will also facilitate access to its technological line, which can be used mainly in the life science industry, in particular in the food industry, dietary supplements and bioactive substances. It operates in the concept of the sharing economy and thus creates potential for use by interested Slovak companies.
<b>Balluff</b>	Transregional	Technology provider focused on identification and transfer of opportunities provided by Industry 4.0 in the agri-food industry.



### 3 Conclusions

The PP7 Wroclaw Technology Park and PP9 Bioeconomy Cluster will provide the networking among key stakeholders in Nitra region and Wroclaw region in order to contribute to the Output O.T4.3 Thematic transnational exploitation plans and open collaboration spaces in the thematic sector of bioeconomy.