

# WPT4

## D.T4.1.6

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Transnational industrial innovation roadmap WS for  
the bioeconomy sector

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Version 1  
06.2021





<b>Project information</b>	
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## 1 INTRODUCTION

Following the regional IGAs' actions of the support and implementation of transnational pilots aiming at supporting value chain innovation (WPT3) and establishment of transnational networks of innovations stakeholders as the kick-off activity to develop transregional innovation networks and agendas (WPT4) in selected industrial sectors (WPT4), the main activity of the sectoral partner duo is to contribute to the project output O.T4.1 Thematic industrial innovation roadmaps (TIIR).

For the purposes of TIIR development of the bioeconomy sector two (2) transnational industrial innovation roadmap workshops will be implemented, with the main objective to collect relevant inputs for elaboration of TIIR and later on the transnational industrial innovation agenda for the target sector, in order to perform a foresight exercise and identify relevant sectoral trends and to present the possible evolution paths of the considered value chains and innovations within the target sector over a period of 5-10 years.

## 2 WORKSHOP SUMMARY

Ref.:	<input checked="" type="checkbox"/>	Meeting / workshop	<input type="checkbox"/>	WPT2
	<input checked="" type="checkbox"/>	Online meeting / workshop	<input type="checkbox"/>	WPT3
	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	WPT4
Date:	28.04.2021 (WTP); 04.06.2021 (BEC)			
Place:	On-line via Microsoft Teams (WTP); Nitra, Slovakia (BEC)			
Attachments:	Screenshots from online meeting of WTP and photos from on-site meeting of BEC			

### 2.1 Agenda

The agenda of the workshop 1 organized by WTP is as follows:

1. Introduction of the WS purpose
2. Identification of sectoral trends
3. Identification of main actions to be included into the roadmap
4. Discussion and exchange of information on the draft regional plans for the next 5-10 years
5. summary and conclusions

The agenda of the workshop 2 organized by BEC is as follows:

1. Short introduction of the WS purpose
2. Identification of relevant sectoral trends in bioeconomy
3. Identification of main actions to be included into the roadmap
4. Discussion and exchange of information on further steps
5. Summary of the workshop and conclusions



## 2.2 Participants

No.	Name of organisation	Name of person, position
1	Wroclaw Technology Park	Łukasz Wyszowski, Project manager of CHAIN REACTIONS
2	Wroclaw Technology Park	Iga Kryszczuk, R&D employee
3	Wroclaw Center for Technology Transfer	Marcin Haremza, International cooperation specialist
4	Balluff Sp. z o.o.	Paweł Juras, Industry Manager Region
5	Lower Silesian Chamber of Commerce	Jowita Cetnar-Kupracz, International Cooperation and Training Coordinator
6	Wroclaw Agglomeration Development Agency (ARAW)	Ewa Sondej, Project Manager
7	Bioeconomy Cluster	Katarína Blicklingová, Project manager
8	Bioeconomy Cluster	Daniel Ács, Project manager
9	National Agricultural and Food Centre	Miroslav Záhradník, Researcher
10	Slovak University of Agriculture in Nitra	Martin Valach, Project manager
11	Slovak University of Agriculture in Nitra	Adriana Kolesárová, Vice Dean
12	Slovak University of Agriculture in Nitra	Hana Zach, Administration
13	Nitra self-governing region	Viera Juricová - Melušová, Head of Department
14	Slovak Centre of Scientific and Technical Information	Nataša Hurtová, NCP for Horizon Europe
15	Slovak Business Agency	Milan Fiľa, Regional coordinator

## 2.3 Summary of discussions

PP	Suggested innovation action	Description	Timeframe	
			From	To
PP7	Transnational Show room	<p>1. Transnational transfer of knowledge between NUTRIBIOMED Cluster (coordinated by the WPT) and Bioeconomy Cluster from Nitra.</p> <p>2. Exchange of information and experience on technological opportunities as well as company's expositions and its</p>	05/2021	05/2026



		<p>offers within international network via information channels of project partners and other events (newsletters, mailings, www, webinars, conferences).</p> <p>3. Meeting/ exchange of information of IGA Wroclaw with IGA Nitra.</p>		
PP7	Regional Show room	<p>1. Organization of a series of webinars, conferences with the participation of companies from the food industry sector (in particular dairy), in which innovative solutions of Industry 4.0 and ICT dedicated to food producers will be presented. - four events per year.</p> <p>2. Information concerning innovative solutions and possibilities of providing funds for investments - publication in the Nutriomed Cluster newsletter, if applicable. Survey of needs and barriers of implementation of innovations within business entities (twice a year).</p> <p>3. Meetings (webinar/conference/direct visit) with companies involved in project DIH Wroclaw.</p> <p>4. Annual report summarising the effectiveness of the actions and describing the barriers of implementing innovative solutions (by using case study, if applicable).</p>	05/2021	05/2026
PP9	Support for the green and digital transition of the agri-food sector	<p>National platform AgroBioFood Nitra, which acts as IGA in Nitra region within CHAIN REACTIONS will make steps towards the establishment of regional <b>DIH in Agri-food</b>. This action includes:</p> <p>1. Transnational transfer of knowledge from experienced partners running fully-operational DIHs - learning about digital business models.</p> <p>2. Incorporation of the idea of DIH in Agri-food into regional strategic documents for the period 2021 – 2027, networking of relevant stakeholders, allocation of resources for the implementation of the idea.</p> <p>3. Preparation of digitalization strategy.</p>	06/2021	12/2025



		<p>4. Collection and review of methodology and guidelines for the establishment of DIH.</p> <p>5. Preparation of working documents to set-up a DIH (incl. stakeholder analysis, business plan, financial plan, etc.).</p> <p>6. Registration of DIH in S3 platform of JRC – DIH incorporated in the official JRC DIH catalogue.</p> <p>7. Support to the adoption of new (digital) business models by farmers as a service provided by DIH in Agri-food.</p>		
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## 2.4 Next steps

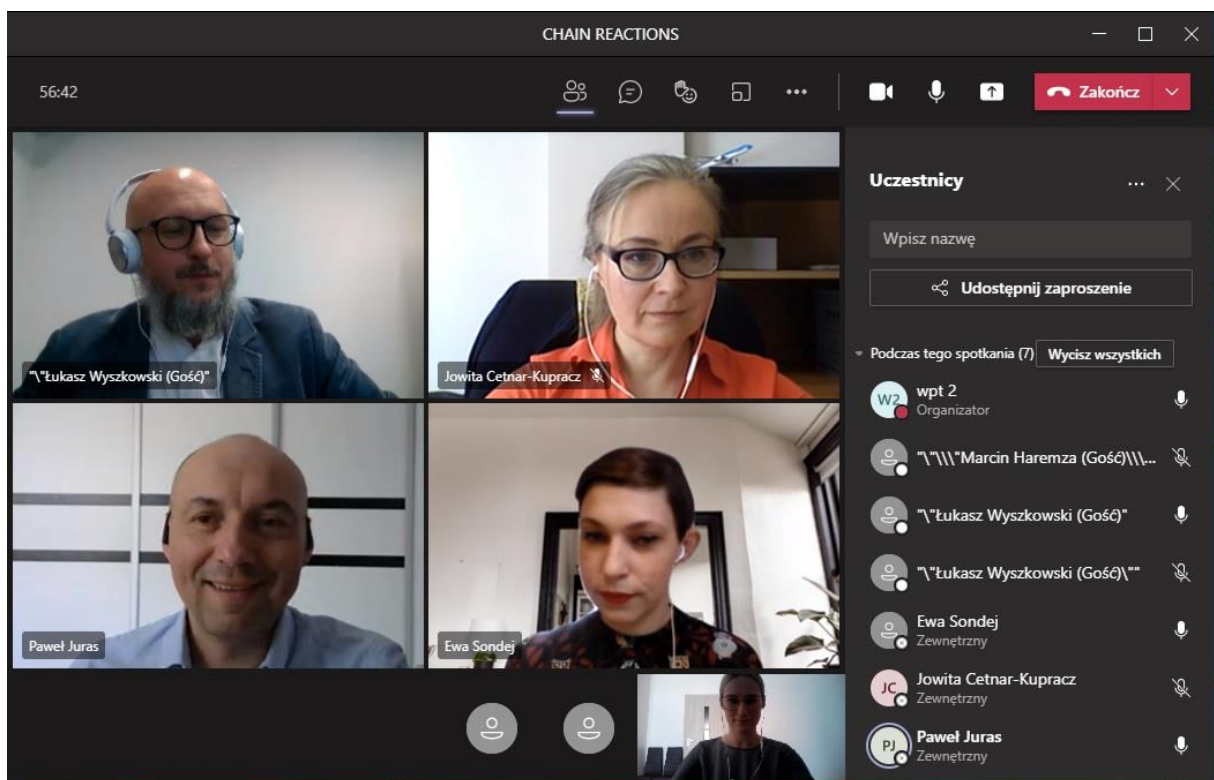
In the next step WTP plans to organize bilateral as well as multilateral meetings between representatives of the bioeconomy industry and companies offering industry 4.0 and ICT solutions. WTP intends to collect information on the practical possibilities of using industry 4.0 and ICT technologies in the bioeconomy industry regarding needs of innovativeness in companies from this sector. The results of analysis will be discussed at IGA meetings.

In June 2021, WTP is planning to organize meeting between the members of the NutriBiomed Cluster (approximately 90 entities from the Bioeconomy and Life science industry) and representative of Balluff Company. The aim is to present industry 4.0 technology solutions.

BEC will act as a facilitator of the innovation action related to the green and digital transition of the agri-food sector. BEC will collect the information about digitalization opportunities from relevant project partners (mainly within its pilot) and will use this information to start the procedure of establishment of regional DIH in Agri-food. Mainly the knowledge of DIH Wroclaw and partners from Slovenia and Hungary will be used. All steps of this innovation action will be described in detail in the Transnational industrial innovation roadmap for the bioeconomy sector, including timeframe, responsibilities, etc. This innovation action should lead to the application of new business models and new technologies by farmers, which includes also the adoption of sustainability-oriented innovations (organizational, institutional, managerial, etc.) and transition to green and resource-efficient models of production.



## ANNEX 1: SCREENSHOTS OF THE WORKSHOP ORGANIZED BY WTP







**ANNEX 2: PHOTOS FROM THE WORKSHOP ORGANIZED BY BEC**












**ANNEX 3: LIST OF PARTICIPANTS**





**CHAIN REACTIONS**

Transnational industrial innovation roadmap workshop & IGA meeting  
04.06.2021, Nitra, Slovakia

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