

WPT4

D.T4.2.2

Transnational innovation agenda workshop #2

Version 1
12 2021





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Authors:	PP9 – Bioeconomy Cluster PP7 – Wroclaw Technology Park
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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 Innovation and Growth Alliances (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 Transnational industrial innovation agendas (A.T4.2) 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).

Each industrial roadmap will be further developed into **transnational industrial innovation agendas**, i.e. concrete innovation activities to be performed in the project regions and transnationally in order to realise the necessary development identified in the roadmaps and ensure industrial leadership in the selected industrial sectors.

The agendas will be coherent with S3 in the project regions and will provide the basis for potential future joint activities and transnational investments.

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 STRATEGIC AND ORGANISATIONAL CONTEXT

2.1 Framework

Transnational network of innovations stakeholders for the bioeconomy sector builds its agenda on the thematic industrial innovation roadmap (O.T4.1), with the inputs of the outputs of the Transnational innovation agenda workshops 1 (D.T4.2.1). The regional workshops were organized by individual duo partners for the bioeconomy sector.

BEC organized its regional workshop on 10.11.2021 as an interactive online event, while involving broad range of stakeholders to gather different views of regional actors, to learn about their needs and ideas and to be able to assign roles to different actors in turning the roadmap into action. The workshop was organized in close cooperation with regional partners. The main outcomes of this workshop are summarized in D.T4.2.1.

On 26.11.2021 WTP organized its regional workshop, which was attended by the members of IGA of Wroclaw region and by Balluff - a supplier of Industry 4.0 technologies for the food industry. The event was held in the national language of WTP, i.e. Polish and the meeting lasted over 2 hours. The workshop was conducted in cooperation with regional partners. The main outcomes of this workshop are summarized in D.T4.2.1.

Therefore, the management and coordination of the bioeconomy sector is provided by project partner duo BEC and WTP, that coordinated the two workshops Transnational innovation agenda workshop 1 & 2 (D.T4.2.1-2), with the aim to turn the innovation roadmaps into innovation agendas.

2.2 Transnational innovation agenda workshop 2

The Transnational innovation agenda workshop 2 was organized by duo partners for the bioeconomy sector, i.e. BEC and WTP as an online event. It was held in English and partially also in Slovak, since one of the presentations was held in Slovak language. It was organized on 30.11.2021 via Zoom. In total, 19 people attended the event, including the representatives of BEC and WTP. In addition, mainly the members of BEC and the TNIS members of WTP participated in the event (see the list of participants in annex).

The agenda of the workshop was as follows:

- Official opening and welcome
- Brief introduction of the objective of the workshop
- Presentation of Balluff company – Innovative solutions for the industry and agriculture
- Presentation of Digital Innovation Hub Wroclaw – Level 4.0
- Open discussion, validation of proposed activities

The inputs of workshop 2 (D.T4.2.2) will serve as the basis for finalisation of the Transnational Innovation Agenda for the bioeconomy sector.



3 ANNEX 1: Implementation of innovation actions

Implementation of innovation actions	
Participants involved	The proposed innovation actions will involve mainly BEC and WTP as coordinators, as well as their TNIS and IGA members, who are equipped with key competences in the area of digitalisation and are already running a Digital Innovation Hub.
Name of TIA	Digital transition of the agri-food sector in Slovakia
Description of TIA	This transnational innovation action will be focused on the establishment of Digital Innovation Hub in agri-food in Slovakia. The important part of this action is related to the transfer of knowledge from fully-operational DIHs in Europe. The exchange of information and experience on technological opportunities as well as promotion of innovation providers at international level has already been established between BEC and WTP by organizing the Transnational innovation agenda workshop, where the experts from Slovakia and Poland shared their vision on the possible implementation of digitalization and Industry 4.0 solutions in agri-food and bio-based sectors. The information flow between involved actors will be maintained also after the implementation phase of CHAIN REACTIONS.
- Expected impact	The main expected impact is related to ensuring the digital transformation of rather tradition sector, which is agri-food. The aim is to bring digital innovations closer to stakeholders in agri-food sector (mainly to SMEs) and to ensure transfer of knowledge from research to practice. In addition, the transnational cooperation will be fostered with DIHs in other countries, mainly with Level 4.0 (DIH Wroclaw).
- Role of each participant	The specific roles of participants of this action are described in D.T4.2.1. In short, BEC will act as the main coordinator of DIH in agri-food in Slovakia and facilitator of knowledge transfer from duo partner WTP and its regional stakeholders. The other partners of DIH include mainly the Agricultural University and National Agricultural and Food Centre, who are equipped with necessary knowledge and infrastructure and who will act as knowledge providers in this respect.
- Timeframe	06/2021 – 06/2025 The first steps of this action included transnational transfer of knowledge from duo partner and other partners in Europe. During 2022 and 2023, the official set-up of DIH is planned, which includes analysis of landscape, stakeholder map, building of business model, financial plan, etc. Continuous communication with WTP and its regional partners will be maintained. The steps include also the elaboration of digitalization strategy. It is also planned to register the DIH in JRC catalogue of DIHs.
- Estimated costs	5 000 000 EUR – combination of soft and investment resources



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<p>- Source of funding</p>	<p>Ideally, the DIH will use the combination of public and private sources. In respect to public sources, it is necessary to embed the idea of agri-food DIH in regional/national strategic and planning documents. One of the potential sources of public funding is ESIF. At the same time, it is necessary to focus on value creation from the provision of services to SMEs and to ensure future self-sustainability of DIH even without public funding. The aim is to create a profitable and sustainable business model based on return on investment.</p>
<p>- External needs</p>	<p>Technical universities will not be directly involved in the DIH consortium. However, it is expected that their expertise will be needed to be able to provide broad portfolio of digitalization services to broad range of stakeholders.</p>
<p>- Other</p>	<p>N/A</p>
<p>FEASIBILITY</p>	<p>7 – the average level of feasibility – considering the need to identify the funding source and secure the funding for the set-up and for the first years of existence of DIH.</p>

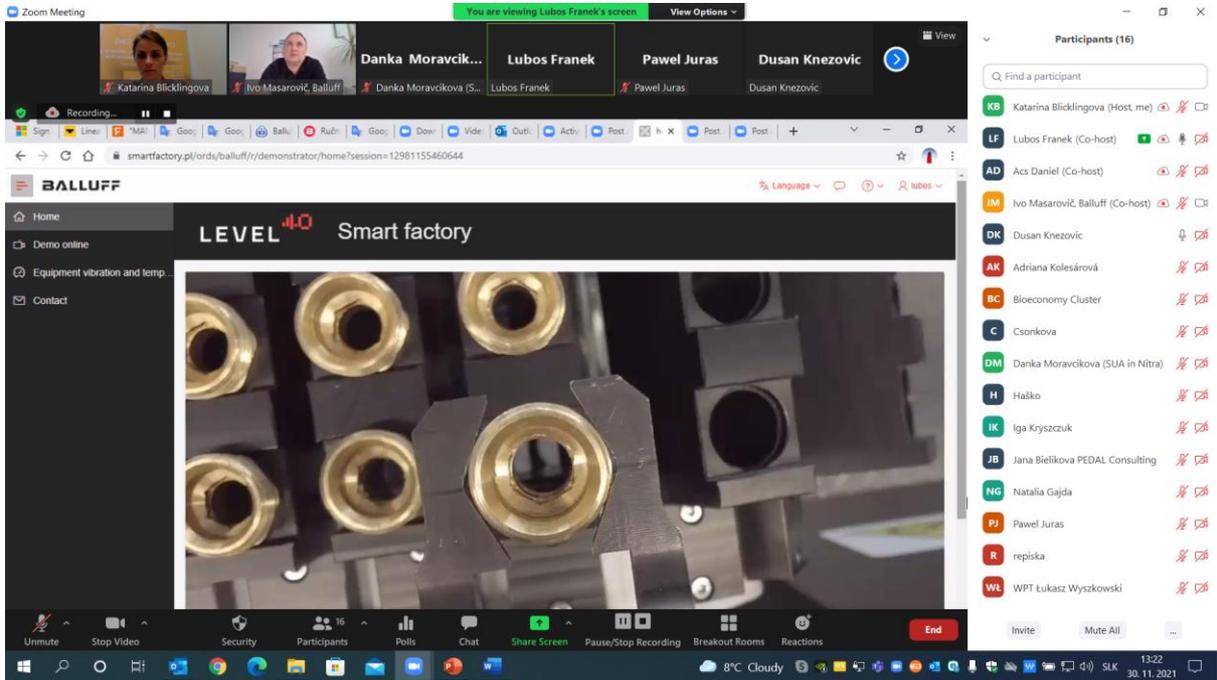


ANNEX 2: List of participants

No.	Name and surname	Institution
1	Blicklingová Katarína	Bioeconomy Cluster
2	Horníková Miriam	Bioeconomy Cluster
3	Ács Daniel	Bioeconomy Cluster
4	Wolf Martin	Trogár Brewery
5	Bieliková Jana	PEDAL Consulting
6	Halmeš Milan	PD Žemberovce
7	Haško Mojmir	PD Badín
8	Knezovič Dušan	Konopné družstvo
9	Kolesárová Adriana	Slovak University of Agriculture in Nitra
10	Moravčíková Danka	Slovak University of Agriculture in Nitra
11	Repiská Zuzana	Agroinstitute Nitra
12	Masarovič Ivo	Balluff
13	Franek Ľuboš	Balluff
14	Juras Pawel	Balluff
15	Kryszczuk Iga	Wroclaw Technology Park
16	Wyszkowski Lukasz	Wroclaw Technology Park
17	Gajda Natalia	Wroclaw Technology Park
18	Rusinska Malgorzata	Digital Innovation Hub Wroclaw
19	Mazgajczyk Emilia	Digital Innovation Hub Wroclaw



ANNEX 3: Screenshots from the workshop





CHAIN REACTIONS

Zoom Meeting

Recording...

LEVEL  Digital Innovation Hub Wrocław

Technologies

Learn about the technologies we are expert in and about what you may gain thanks to using them.


INTERNE OF THINGS


CYBERSECURITY


AUTOMATION AND ROBOTICS


ADDITIVE MANUFACTURING


MACHINE LEARNING


CLOUD COMPUTING


VIRTUAL AND AUGMENTED REALITY

Participants (12)

KB Katarina Bliclingova (Host, me)  

Mazgajczyk Emi... (Co-host)  

AD Acs Daniel (Co-host)  

DM Danka Moravikova ... (Co-host)  

Rusinska Malgorzata (Co-host)  

AK Adriana Kolesarova  

C Csonkova  

DK Dusan Knezovic  

IK Iga Kryszczuk  

JB Jana Bielikova PEDAL Consulting  

R repiska  

WL WPT Lukasz Wyszowski  

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4°C Light rain/snow 15:07 30.11.2021

Zoom Meeting

Recording...

LEVEL  Digital Innovation Hub Wrocław

European Digital Innovation Hubs (EDIH)

„The Digital Europe Programme will increase the capacities of the selected hubs to cover activities with a clear European added value, based on networking the hubs and promoting the transfer of expertise.”

By providing access to technical expertise and experimentation as well as the possibility to 'test before invest', EDIHs help companies improve business/production processes, products, or services³ using digital technologies. They also provide innovation services, such as financing advice, training, and skills development that are needed for a successful digital transformation. Environmental issues are also taken into account, in particular with regard to energy consumption and low carbon emissions.



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Participants (10)

KB Katarina Bliclingova (Host, me)  

Mazgajczyk Emi... (Co-host)  

AD Acs Daniel (Co-host)  

DM Danka Moravikova ... (Co-host)  

Rusinska Malgorzata (Co-host)  

AK Adriana Kolesarova  

IK Iga Kryszczuk  

JB Jana Bielikova PEDAL Consulting  

R repiska  

WL WPT Lukasz Wyszowski  

15:12 30.11.2021