

D.T3.2.1 DEVELOPMENT OF THE DIH BASED ON FABLAB AND INTRODUCTION TO LOCAL INNOVATION MARKET

Report

Version 1
03/2022





1. Name of the event, implementing date and place

EU Industry Week: Industry 4.0: Making locally - going globally

- Date: 04.03.2021
- Place: On-line event, live broadcast on YouTube: https://youtu.be/l_Z7z8G0hz8

2. Number and types of participants/target groups

- On the event - in the form of speakers there were 10 participants in total.
- The event was transmitted live on YouTube on the Regional Development Agency channel. For the day of submitting the report, the number of displays is 540, however it is still available on-line and can be continuously viewed

During the live transmission, the peak of individual viewers watching at the same time was 45.

Total sum of unique participants - according to YouTube statistics: 207

The participants belong to the following target groups:

3. Topics tackled and links to deliverables, outputs

Regional Development Agency together with the local Industry 4.0 providers organised this event in the purpose of showcase the technologies that are available in the region and how can they impact on the industries, businesses and lives. With this event we also wanted to officially start the activities of our iLaBB 43300 - Digital Innovation Hub in Bielsko-Biała - which scope of was defined with the implementation of the 4STEPS project. With this event we wanted to introduce the DIH concept to the regional innovation market and show the local capacity of ICT and Industry 4.0 technologies.

At the beginning the idea of the hub was presented, how will it work, what are the benefits of having this kind of institutions in the region. The international dimension was also emphasized and the scope of 4STEPS project was presented - the idea of promoting of usage of Industry 4.0 technologies and Digital Innovation Hubs as facilitators of digital transformation in the regions. We will also create DIHs network in Central Europe.

Following the information about the DIH, content-related sessions have started. Each of the session was about different Industry 4.0 technology and was a mix of video materials and live chats with the guests in TV studio. The core of each session was to showcase how Industry 4.0 technologies may improve effectiveness of industrial and business processes. We talked about machine learning in the context of transport and logistics, IoT as a facilitator of geolocation of workers in plants and how to make no-paper work permits. We have also discussed the case of using AR/VR in training, also highly specialised (for example for coalminers by creation of the VR view of the coalmine), in creation of digital twins and remote assistance solutions. We discussed what mass customisation is, how production and services sector should be prepared for it how ERP



system may help in this process. The last content session was about 3D scanning, reverse engineering, robotic quality control systems and design support in the development of IoT systems in Industry 4.0 solution.

Each session started with short video about specific technology and possibilities of its usage. The video was followed by a panel discussion with the technology owner - with further explanation of certain case study.

To ensure the interactivity of the event, at the end, virtual discussion rooms were open, and for an hour each of the speakers was available for anyone who had a question about the scope of the event.

The event was organized in the wider formula of EU Industry Week - flagship annual format of European Commission. Our event was one out of 8 organized in Poland. The topic of 2021 edition was directly related to the scope of 4STEPS project - building competitiveness and regional digital capacity through awareness raising in terms of digital revolution, related industrial changes and input of local, digitally mature SMEs to global value chains.

ARRSA also implemented further activities in terms of development and sustainability of created DIH, fulfilling the objectives of D.T3.2.1 and D.T3.2.2 pilot action:

- We became a partner in a consortium Silesia Smart System (SSS), applying to the status of European Digital Innovation Hub, organized on a regional level together with relevant stakeholders operating in the scope of digitalisation, e.g., Katowicka Special Economic Zone (Consortium Leader), Silesian Technical University, Łukasiewicz Research Network. SSS was preselected on the national level and submit an application to the European Commission call
- Best practice exchange - ARRSA constantly tries to improve its services by networking with local as well as international entities related to digitalisation, entrepreneurship development and innovation capacity building. On 04. 08. 2021 went to hub4industry and Astor Robotics Centre in Kraków, where representatives of those institutions showed us good practices in terms of organization of showroom spaces, activities to be provided, event formulas to implement as well as possible models of DIH governance and funding schemes. Since march 2021 ARRSA is a member of Digitalisation Working Group supported by EURADA (European Association of Regional Development Agencies) and FundingBox.
- Follow-up projects - in the course of implementation of the 4STEPS project we were looking for further funding possibilities to develop our DIH. We successfully applied to become a partner in AS TRANSFER project, funded under URBACT III programme. It is a transfer mechanism network and its scope is to transfer the good practice of AS FABRIK was conceived to increase the competitiveness of the local KIBS (Knowledge Intense Based Services) sector and prepare them to supply the digital transformation demands of the manufacturing sector (Industry 4.0). A strategic alliance based on knowledge and innovation that aims to improve the local ecosystems of cities, with city businesses, universities, local service providers and entrepreneurs hosted in a tailor-made innovative space.



- Participation and co-organization of technology and innovation related events - next editions of EU Industry Week, BBDays4.IT - the biggest ICT festival in the region

4. Expected effects and follow up

The event focused on the topic of the role of Digital Innovation Hubs as a facilitator of digital transition of the regions on the one hand, and on the specific Industry 4.0 technologies within 9 pillars indicated in the 4STEPS projects on the other.

Speakers shared their experience in terms of the development of technology related companies, described specific technological case studies and explained how Industry 4.0 technologies can improve effectiveness of businesses and industries.

The main goals of the EU Industry Week event were to:

- Officially start DIHs operations
- Raise awareness in terms of Industry 4.0 technologies present in the region and their capacities
- Make linkages between relevant actors of the local ecosystem of innovation

Further activities that ARRSA is undertaking will ensure the utilizing of created potential, enable DIHs' development and sustainability.

5. Annexes: e.g. agenda of the event, pictures, media coverage web- links etc

5.1. Agenda of the event

5.2. Media releases

5.3. Pictures

All annexes are available in the separate files.