Danube Transnational Programme

Project co-funded by European Union Funds (ERDF, IPA)

Interreg

EUROPEAN UNION

Danube Transnational Programme

Smart Factory Hub

SMART FACTORY HUB - IMPROVING RD AND BUSINESS POLICY CONDITIONS FOR TRANSNATIONAL COOPERATION IN THE MANUFACTURING INDUSTRY

NEWSLETTER

Smart Factory HUB 4th NEWSLETTER

INTRODUCTION:

Smart Factory Hub is a project under the framework of Interreg Danube Transnational Programme. The project started in January 2017 and it is going to come to an end in June 2019.

The main objective of the project is to improve framework conditions for innovation in the area of "smart factory". Therefore, the project's goal is to develop R&D and business policy conditions for transnational cooperation in the manufacturing industry.

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MEETING IN BELGRADE

Chamber of Commerce and Industry of Serbia organized a project meeting from 29th to 30th of May 2018 in Belgrade.

Main focus of the meeting was the general overview of all running project activities and planning the following tasks.

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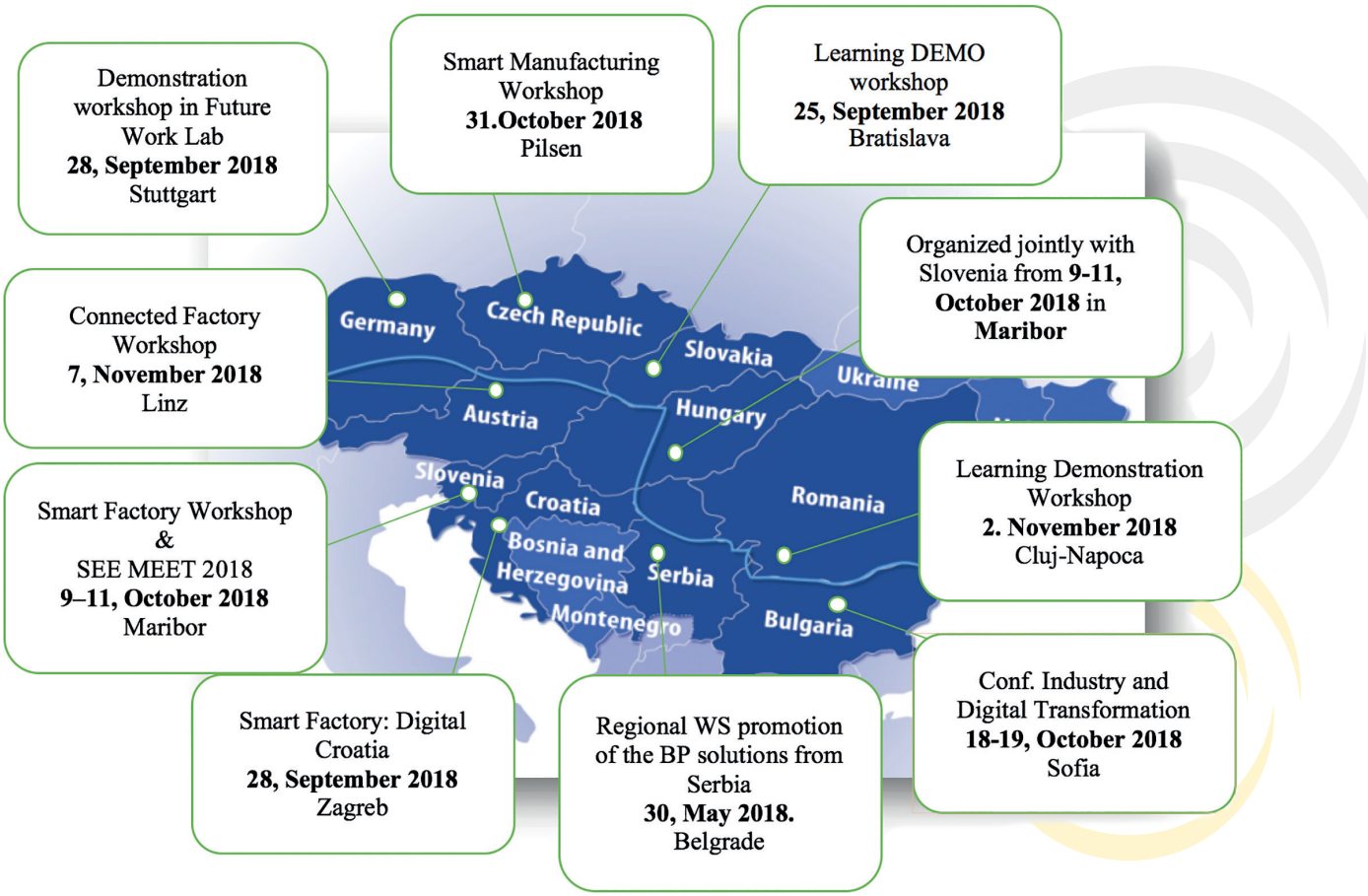
LEARNING DEMONSTRATION WORKSHOPS (LDW)

The main aim of these workshops is to present the innovation solutions of each region. Relevant scientific and research institutions, researchers from universities, technology development companies and industry representatives from the Danube region were also invited to the workshop(s) as well as interested potential users of the best practice solutions.

Within the international event Innovation days in Belgrade on 30, May 2018 in the Science-technology Park Chamber of Commerce and Industry of Serbia held the first demonstration learning workshop. At the event, ten Serbian smart factory solutions were presented to the public which could be chosen in the upcoming technology transfer on the project and further internationally commercialized.

Bringing together a pool of relevant actors in order to share smart factory solutions, the workshop gave insights in the business and technology development of Serbian SMEs, and an opportunity for networking and initiating or developing collaborative projects with companies and/or research organizations. Learning Demonstration Workshops in all partner countries foster innovation and they ultimately provide the possibility to accelerate the pace of change in industry development

Plan of all Learning Demonstration Workshops:



Plan of all Learning Demonstration Workshops:

1, **Bratislava** ~ Learning Demonstration Workshop:
2, **stuttgart** ~ Learning Demonstration Workshop:
3, **Zagreb** ~ Learning Demonstration Workshop:
4, **Maribor** ~ Learning Demonstration Workshop:
5, **Sofia** ~ Learning Demonstration Workshop:
6, **Pilsen** ~ Learning Demonstration Workshop:
7, **Cluj-Napoca** ~ Learning Demonstration Workshop:
8, **Linz** ~ Learning Demonstration Workshop:

UPCOMING PROJECT RELATED EVENTS

GALP 2018

GALP 2018
Green and Lean Production

"Lean & digital transformation of industry & service: The importance of human resources and artificial intelligence"

On 21-22 November 2018, Croatian and foreign lecturers will come together to discuss the need for investment in the process of incorporating new digital knowledge, employee skills and artificial intelligence which should change all aspects of human activity. One of the main points will be how to successfully modernize Croatian economy and society in the next 36 months (2019-2022) through the application of new technologies of Industry 4.0. The participants will be presented with successful projects in Lean management and Industry 4.0, current results of European & Croatian industry, innovative products of the future based on Industry 4.0 technologies, and the Action plan for digitalization of industry and service sector for the 2019-2020 period. More information: www.culmena.hr

INDTECH2018: INNOVATIVE INDUSTRIES FOR SMART GROWTH, VIENNA, 29-31 OCTOBER 2018

The INDustrial TECHnologies 2018 conference will open its doors in Vienna on 29-31 October, 2018.

The event will combine keynote presentations, discussions, a matchmaking event, fish-bowls, world cafés and an exhibition on new industrial applications for research on Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing. Plenary sessions with great political impact on the industrial landscape will be followed by parallel sessions organised around three main pillars:

1) Technologies for sustainable growth
2) Innovative Industry for citizens
3) Ecosystem and framing conditions

Seize the opportunity to meet experts from industry, research and public authorities from more than 30 countries in Europe and across the globe! PROFACTOR will present its robotic know-how at the exhibition.

Conference programme: https://www.indtech2018.eu/programme/

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AUSTRIAN ROBOTIC WORKSHOP AND OAGM WORKSHOP, MAI 9-10, 2019

PROFACTOR is organzing the Austrian Robotic Workshop and OAGM Workshop from Mai 9-10, 2019 in Steyr.

The Austrian Robotics Workshop aims to bring together researchers, experts and practitioners working on various robotics topics to discuss current developments and challenges in robotics and its applications. The new edition in Steyr is primarily aimed at robotics competence in the production area. Companies are invited to present their activities. The conference will be complemented by the latest developments, which will be shown in an exhibition.

The OAGM workshop provides a platform for presentation and discussion of research progress as well as current projects with the OAGM/AAPR community. The symposium is organized by two independent groups:

- OAGM addresses image processing, and computer vision
- ARW (Austrian Robotic Workshop) addresses robots and automation, human-machine collaboration.

More Information: https://www.profactor.at/events/austrian-robotic-workshop-oagm-2019/

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RESULTS OF THE 5TH TECHNICAL WORK PACKAGE

OBJECTIVE: Accelerate transnational transfer of knowledge in order to design and set-up cooperation and learning hub for technology alliances as a bridge between policy makers, companies and RD institutions.

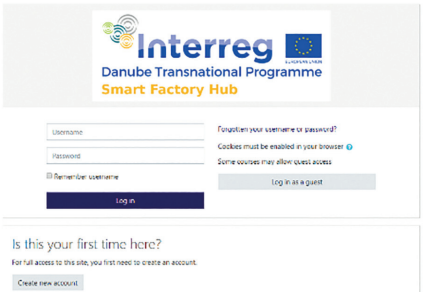
Within the first activity a Network of Facilitators has been established. This network helps to

improve inter-regional cooperation to transfer ideas and to develop and implement solutions in the field of novel technologies, production process and HRM system within the Smart Factory.

The other activity within this work package called: Transferability Guideline Tool. This tool contains learning tools and guides which used during the training academy. These sets of training materials used to learn facilitators and SMEs in cross-topic project fields. Topics:

(i) Novel technologies
(ii) Production process control improvement
(iii) HRM system

Based on the prepared materials an E-Learning Platform has been created. The usage of this the platform is totally free. The access to the E-Learning Platform is provided through the following web page link: https://elp.iao.fraunhofer.de/moodle/



The user manual of the platform is accessible here:
http://www.interreg-danube.eu/approved-projects/smart-factory-hub/section/e-publications

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UPCOMING PROJECT ACTIVITIES

OBJECTIVE: Identify topics for the pilots with strategic relevance, identify the most effective implementation schemes, making proposals for their harmonization and developing instruments adaptable to region-specific situations.

Two types of pilots will be implemented to validate the model and adopt appropriate enabling instruments at transnational level: specific supply-driven (transfer lab) and demand-driven (policy lab) actions. The TRANSFER LAB will boost the strategic role and the innovative capacity of supply-side players, by enabling cooperation among SMEs and technology providers/ knowledge stakeholders along defined strategic topics. The POLICY LAB will improve the innovation governance, enhancing the capacity of administrations to deliver innovation mechanisms, by learning and exchanging ideas for common implementation schemes at regional and transnational level.

The pilot actions will be monitored and qualitatively assessed in terms of sustainability of the innovation approaches, effectiveness and capacity to respond to the needs raised and identified in the RIS3 domain. In order to achieve this, implementation actions will be based on MONITORING TOOL to assess the pilot actions' outcomes. The methodology will include ex-ante assessment to allow shaping the pilots to each region's specific circumstances, mid-term assessment to allow monitoring and adjustments of the pilot projects, and ex-post assessment of the specific outcomes. ASSESSMENT OF PILOT PROJECTS will consist of regional impact assessment and transnational impact assessment. At the end, ROAD MAPPING towards an integrated Danube innovation area will be prepared by developing recommendations to policy makers and follow up possibilities. Recommendations will be shared with regional stakeholders and innovation actors.

A set of activities will result in following outputs:

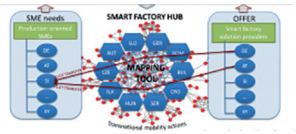
• **TRANSFER LAB PILOT**: As part of the pilot activity, an interregional voucher scheme will be tested which will encourage interregional transfer of smart factory solutions. The plan is to implement a voucher scheme and to test the transfer of minimum 20 smart factory solution

between regions and thus boost the strategic role and the innovative capacity of the proposed system.

Inter-regional transfer of smart factory solutions supported by a voucher scheme:

In the next months we will begin with pilot activities for inter-regional transfer of smart factory solutions. Therefore, an interregional voucher scheme will be established, focused in supporting and enabling the inter-regional transfer of solutions between Smart Factory solution providers and production-oriented SME`s. As a result of this activity, minimum 20 smart factory innovative solution transfers will be supported transregionally. Each project partner will support 2 international/cross-border transfers of solutions. The overall goal is to increase cooperation, unlock resources and skills that are currently inaccessible to SMEs. As a result, a call for the voucher programme will be announced in the next months, which will financially support feasibility studies for applied SME`s.

• **POLICY LAB PILOT**: Policy Lab pilot will try to improve the governance in the area of innovation, enhancing capacity of administrations to deliver innovation mechanisms by learning & exchanging ideas for common implementation schemes at regional & transnational level. Two objectives will be followed during the implementation: (i) search of RIS3 instruments in 10 regions which could have a potential to secure transfer of innovation/ solutions in the domain even after end of project and (ii) to improve existing RIS3 instruments through elaboration of best practice proposals and transfer of good practices at policy level.



Pomurje TECHNOLOGY PARK

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PROFACTOR®

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Slovenská obchodná a priemyselná komora

ICT Cluster BULGARIA

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA ROMANIA

HAMAG BICRO

CHAMBER OF COMMERCE AND INDUSTRY OF SERBIA 1857

Pannon Business Network PBN

Discover more about

Smart Factory HUB

http://www.interreg-danube.eu/approved-projects/smart-factory-hub

Smart Factory Cooperation Platform (SFCP)

http://www.p-tech.si/sfh-mapping/

Smart Factory HUB E-learning Platform

https://elp.iao.fraunhofer.de/moodle/

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