

Smart Engineering and Tooling Smart & Adaptive Production Systems Industry 4.0 and High Performance Manufacturing'

25.1. 2018, Ispra



Anna SACIO-SZYMAŃSKA
Jordan MĘŻYK



Instytut Technologii
Eksploatacji – PIB

Ales HANCIC
Vesna ZEPIC



Slovenian Tool and Die
Development Centre

Who we are



Leading Regions: Catalonia (ES), Castilla y León (ES), Valencia (ES), Tuscany (IT), Mazovia (PL), Slovenia (SI).

Regions already involved: Bielsko-Biala (PL), Emilia-Romagna (IT), Flanders (BE), Marche (IT), Hungary (HU), Navarra (ES).

How the partnership evolved

April 2016

Brussels, the start of S3 Ind Mod Platform

Two initiatives:
“Smart Tooling” (SI) and
“Mechanical and Precision Engineering” (MAZ)

June 2016

Brussels, Smart Regions conference
A joint initiative:
“Smart Engineering and Tooling” (SI&MAZ)

Sept-Oct 2016

Ljubljana, Ideconsult suport and company visits
Specifying the topic:
“Smart & Adaptive Production Systems” (SI&MAZ)

Nov 2016

Barcelona, S3 IM Platform, kick – off event
Searching for international partners:
networking with Vanguard ESM pilot project

Dec 2016

Brussels
4 Dec, ICT Innovation for Manufacturing SMEs

Radom
7-8 Dec
Stakeholders Meeting

Brussels
12 Dec
Vanguard ESM Pilot Plenary Meeting

**PRODUCTION
PERFORMANCE
MONITORING
SYSTEMS**

How the partnership evolved

Jan 2017

**Ljubljana,
Radon**

First results
with working
with
companies,
first talk on
joining the
two
initiatives to
one

**March
2017**

All regions,
Official
confirmation
that two
initiatives:
Smart &
Adaptive
Production
Systems and
IND4.0 for
SME joins
into one

June 2017

Helsinki,
conference,
Kick off
meeting of
the new
partnership

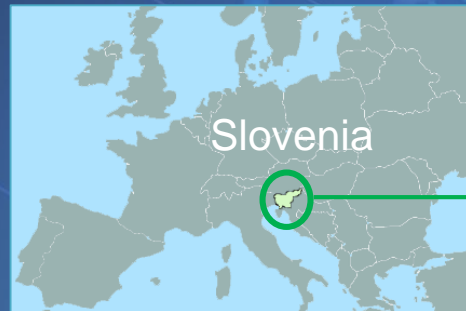
Nov 2017

Budapest,
Wotify
matching
Event in
Budapest
networking
with
Vanguard
ESM pilot
project

Dec 2017

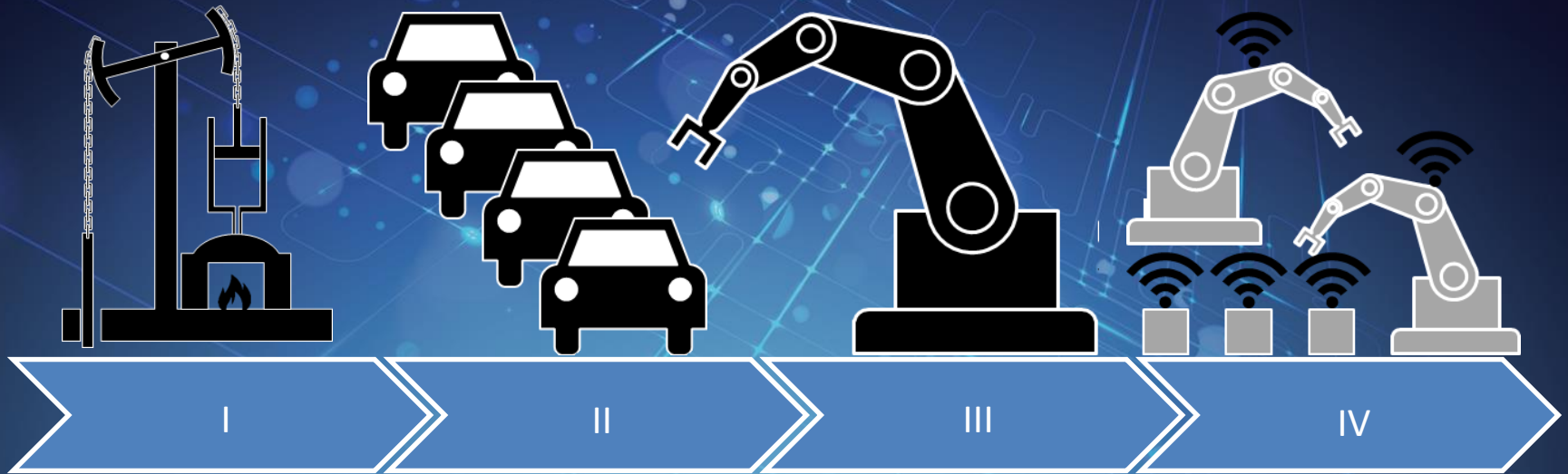
Brussels,
Scoping note
finalised,
Design of
projects
prepared
Business plan
into the final
stage

TECOS – Slovenian Tool and Die Development Centre



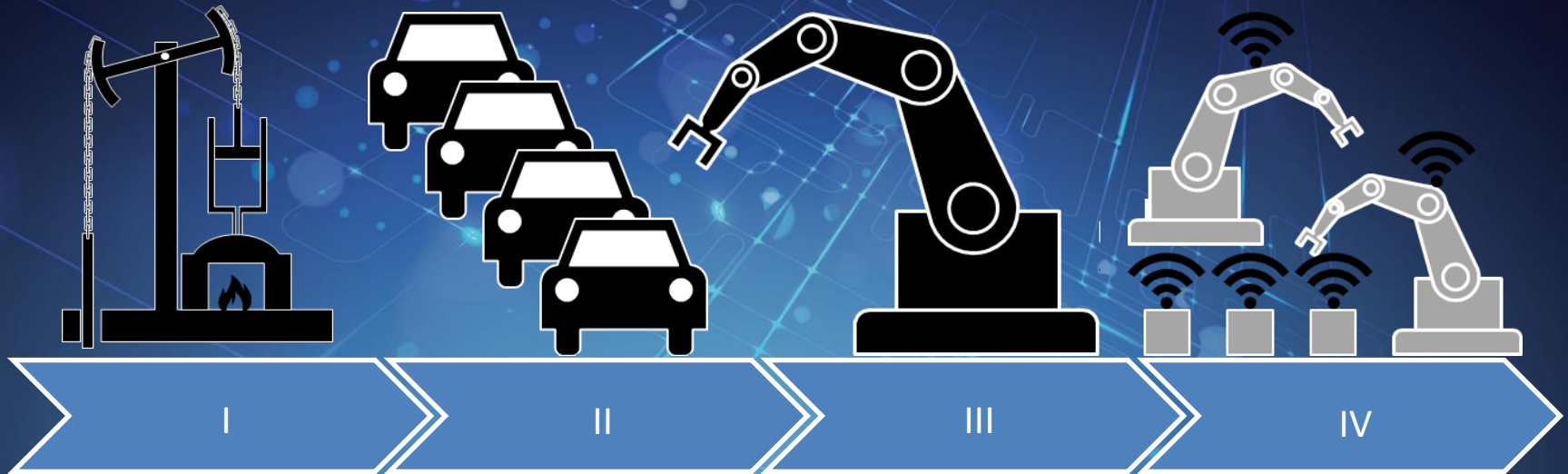
- Private non for profit research & technology centre founded in 1994 on the initiative of Slovenian Toolmakers & Processing Companies
- TECOS's Founders:
 - ❖ Government of Republic of Slovenia
 - ❖ Municipality of Celje
 - ❖ Chamber of Commerce and Industry of Slovenia
- TECOS today operates on three dimensional assets as **International Business Cluster, R&D Centre & VET Institution**, providing top level services not only for Tool, Die & Mould-making industry but also to other Slovenian companies related to the manufacturing sector

What is our partnership about



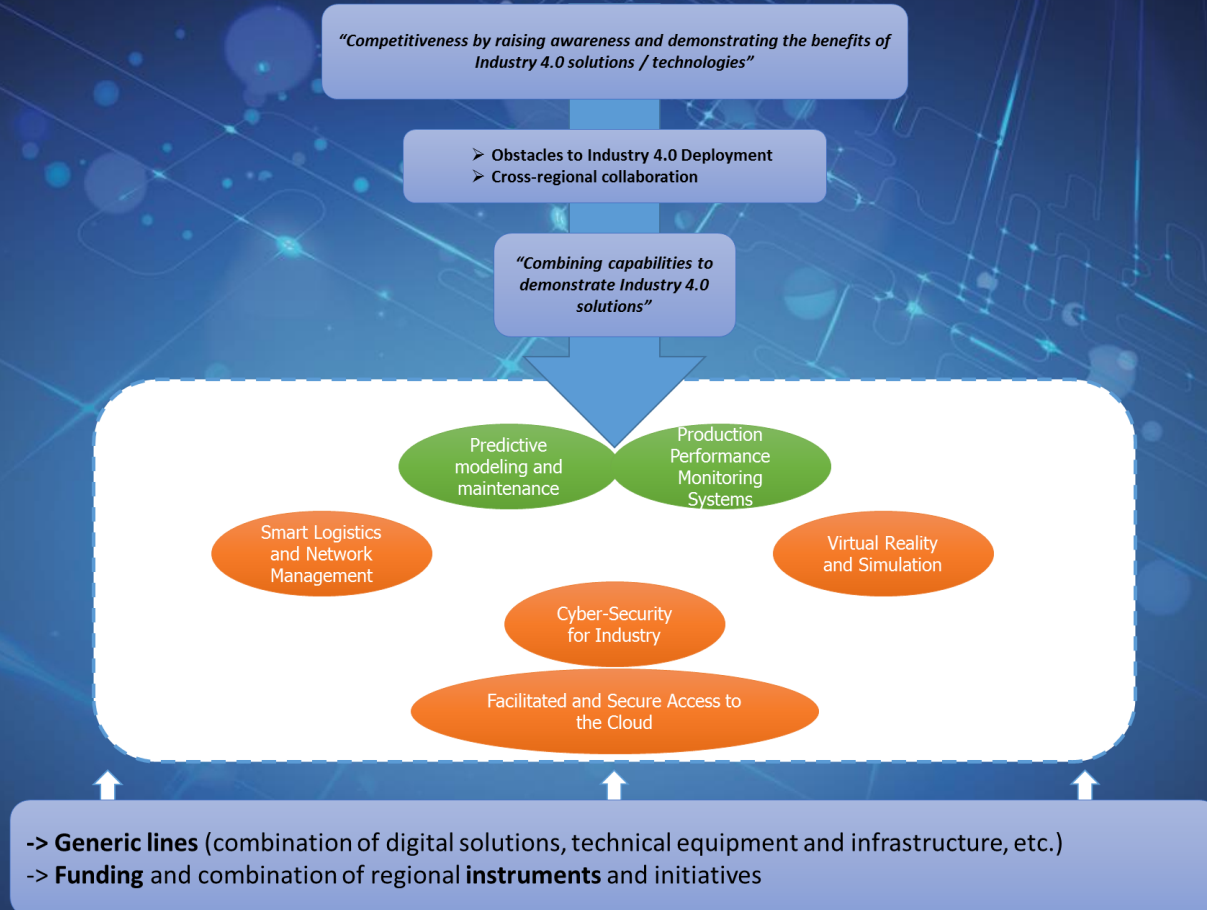
Increasing Industrial Competitiveness in EU regions by raising awareness of Companies (SMEs) for -and demonstrating them the benefits of- Industry 4.0 solutions / technologies

What is our partnership about



- The benefits of Industry 4.0 are still largely unknown to many companies (in particular SMEs)
- Technology uncertainty, missing competences and assets (e.g. skills) and high costs hamper the absorption of Industry 4.0 solutions by companies, and this is especially true for SMEs

What is our partnership about



- Very few regions have all Industry 4.0 competences / facilities on their ground

Partnership main focus and principals



- ***Focus on Demonstration (and not on e.g. joint-R&D projects)***
- ***SMEs as a main target***
- ***Raising awareness to accelerate Industry 4.0 uptake by SMEs***
- ***Going beyond technology***
- ***Funding gap to the deployment of Industry 4.0 to SMEs***
- ***Sectoral diversification and value chain approach***
- ***Geographical and structural diversity***

Smart Engineering and Tooling Smart & Adaptive Production Systems Industry 4.0 and High Performance Manufacturing'

25.1. 2018, Ispra



Thank you!

Anna SACIO-SZYMAŃSKA
Jordan MĘŻYK



Instytut Technologii
Eksploatacji – PIB

Ales HANCIC
Vesna ZEPIC



Slovenian Tool and Die
Development Centre