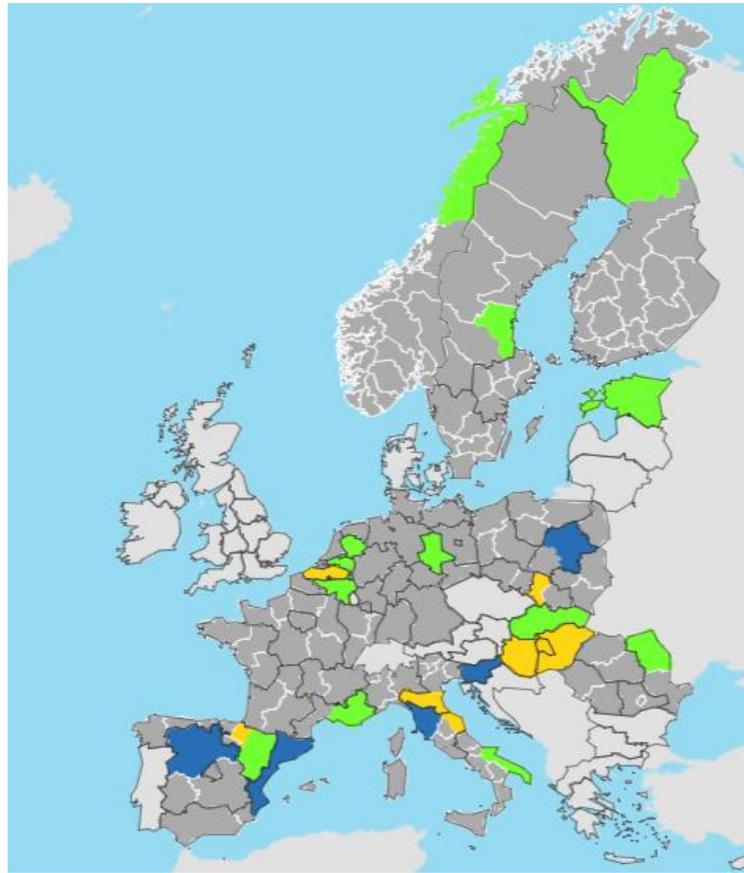# Partnership "Industry 4.0. and SMEs" - Regional committment and governance issues

Co-leading regions:	Participating regions:	Interested regions:
• Leadership: • Tuscany, Italy • Slovenia • WP co-leading: • Catalonia, Spain • Mazowieckie, Poland • Castilla y Leon, Spain • Valencia, Spain	• Hungary • Bielska Bjala, Silesia, Poland • Marche, Italy • Flanders, Belgium • Navarra, Spain • Emilia-Romagna, Italy	• PACA, France • Puglia, Italy • Slovakia • Wallonia, Belgium • Gävleborg, Sweden • South-Holland, Netherlands • East-Netherlands, Netherlands • Lapland, Finland • Helgeland, Norway • North-East Romania • Aragón, Spain • Estonia • Sachsen-Anhalt, Germany

1. What we have done:
- strategic focus on I40: RIS3, Initiatives at national and regional level
- Involvement of Regional authorities and key local stekeholders from co-leadeing regions
- Re-organisation of the governance (to spead up and simplify)
2. What is on going: to better define management structure and formalise agreements among leading and co-leading regions
3. What we are ready for: active involvement of interested regions and other relevant subjects

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Partnership "Industry 4.0 and SMEs" – The areas of cooperation

Stage	Area	Sector	Summary	Interested regions
Advanced areas	**Production Performance Monitoring Systems**	- PPMS – metal machining - Any other applicable sectors	- Cross-regional data platform for production performance monitoring. - Sub-case: identify, analyse and diffuse good and best practices of Industry 4.0 use and/or adoption.	- Mazowieckie - Slovenia - Catalonia - Valencia - Tuscany - Castilla y León
	Predictive modelling and maintenance	- Automotive/food - Agricultural machinery/ manufacturing - Energy production	- Emphasize the development of ICT capabilities at design and production levels to optimise company processes - First test-bed: injection moulding (mould maintenance, etc.)	- Mazowieckie - Slovenia - Valencia - Tuscany - Castilla y León
Developing areas	**Virtual Reality and Simulation Technologies**	- Automotive/food	- Potential for product design and manufacturing process. - Use to substitute to specific tests or develop predictive models	N/A
	Smart logistics and network management	- Food	- Food sector faces challenge of multi-stakeholder supply chain management	N/A
	Cyber-security for industry	- Generic	- Crucial variable but constantly evolving, increasingly complex and scattered landscape	- Tuscany - Castilla y León
	Facilitated and Secure Access to the "Cloud"	- Generic	- Cloud not easily accessible by SMEs - Data raises challenges of data ownership, data privacy	N/A

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MAPPING: active involvement of regions and stakeholders

Starting from the Scoping note:

- Meetings with Reconfirm

- First international strategic workshop with co-leading regions and selected stekeholders

- Focus groups at regional level

- Collaboration Lab

INTERVIEWS

The necessary additional data to include in the mapping paper will be collected through an interview process:

- strategic questionnaires with key local stakeholders "opinion makers"

- questionaires with SMEs to assess I40 and their interest to international partnerships

FINAL PAPER

- Collect all information and approval of final mapping document

- Draft portfolio of projects

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First consideration

There is a **lot of potential to develop and add value to the existing landscape of Industry 4.0 initiatives, and the partnership seems strong in their commitment, expertise, stakeholder network and expansion potential in clusters, regions and companies**. Partnership already benefits from several opportunities offered by the EC but still some relevant gaps should be addressed to focus on SMEs and I4.0:

What the partnership need:

1. Short/Medium term: support for the partrnership management and ah hoc tools to further expolit the opportunities drafted – how can this be supported by the actual programming period tools?

2. Long term: had hoc tools for SMEs to design and co-finance investment projects – how can this be supported by the next programming period?

Thanks to EC support: build up the partnership, identify main areas, mapping leading companies and SMEs, involve key stakeholders	Need to have additional support for the management of the partnership and to further develop the activities at local level	How additionally use EC tools? H2020 and Interreg Europe (create awareness, capacity building) covers just some relevant aspects. What else?	Need for financial support: SMEs do not have enough resources to invest in I40 solutions. They cannot stand big investments projects. How can the EC support it?

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