



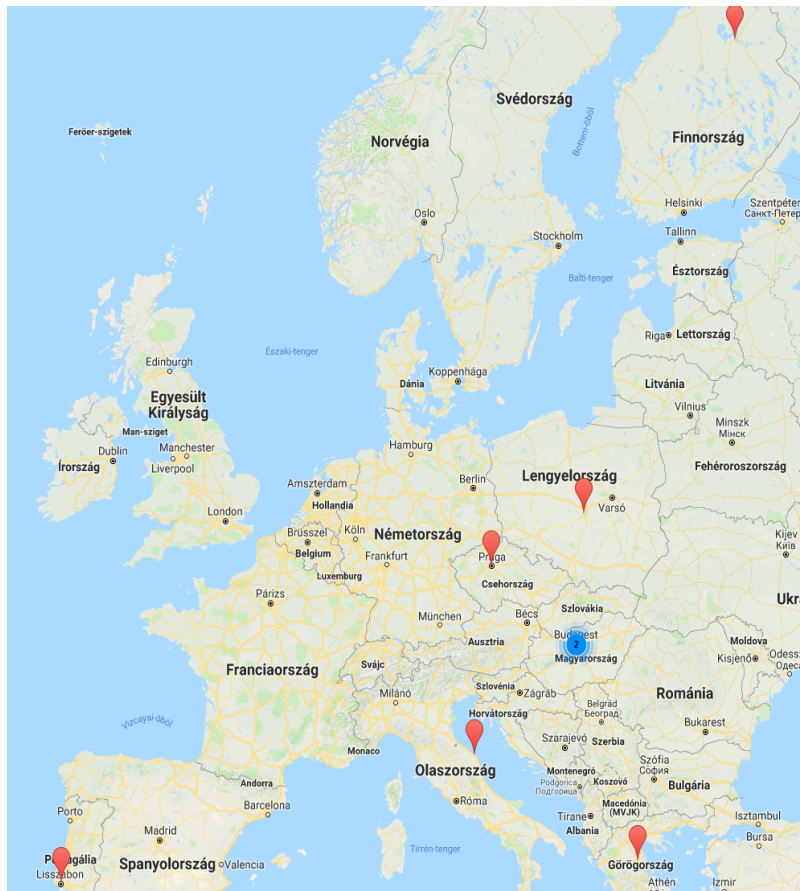
# Kainuu action plan

RIS3 opening session

Kajaani, 25 April 2022

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Markus Leinonen, C&D responsible  
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# What is the INNO PROVEMENT project?



- 3rd call of the Interreg Europe programme,
- 5 years (3+2) active cooperation
- 1.6.2018 - 31.5.2023
- 1 767 671,00€
- 8 partners
  - Ministry of Finance, Hungary
  - ICT Association, Hungary
  - Ministry of Industry and Trade, Czech Republic
  - Region of Thessaly, Greece
  - Marche Region, Italy
  - COMPETE 2020 Management Authority for the Competitiveness and Internationality Operational Programme, Portugal
  - Lodzkie Region, Poland
  - Regional Council of Kainuu, Finland



# Themes of the INNO PROVEMENT project

- 7 thematic issues
- 6 Regional stakeholder groups

**1. The Effectiveness of Public Money Used to Support Industrial Research and Development under the I4.0**  
(Ministry of Industry and Trade, Czech Republic)

**2. Introducing I4.0 to traditional industries**  
(Regional Council of Kainuu, Finland)

**3. Innovation in software development**  
(Region of Thessaly, Greece)

**4. Definition of I4.0 public policy initiatives**  
(Managing Authority COMPETE 2020, Portugal)

**5. Definition of an I4.0 maturity evaluation matrix**  
(Lodzkie Region, Poland)

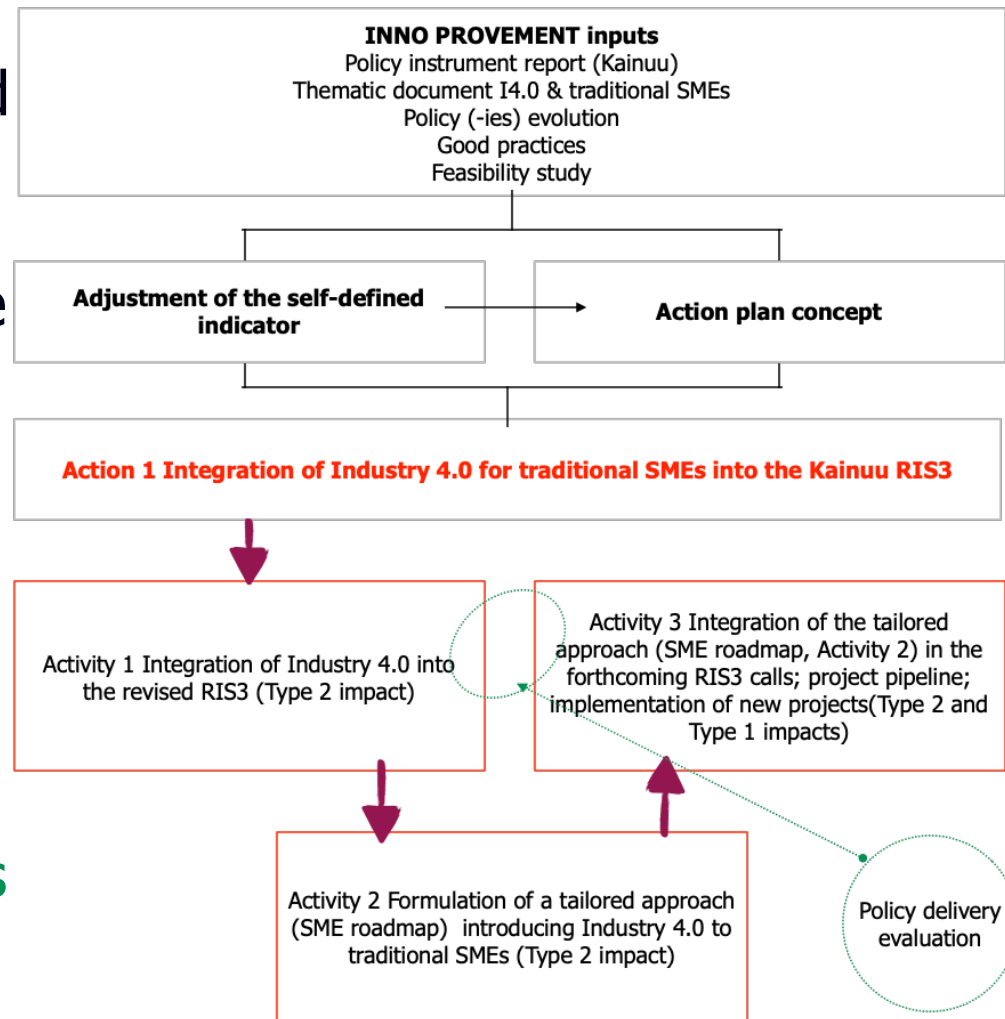
**6. Market price assessment (call design, project selection, contracting, monitoring, financial settlement)**  
(Ministry of Finance, Hungary)

**7. Adjusting calls to Industry 4.0 requirements**  
(Marche Region, Italy)

**Workshop for finalising the Regional Action Plan**  
(ICT Association, Hungary)

Project partner information		
Investment for Growth and Jobs programme, name of policy instrument here: <b>Kainuu RIS3 2021 - 2027</b>		<b>X</b>
Type 1: Implementation of new projects <b>Implementation of Industry 4.0 projects when the Kainuu RIS3 2021-2027 will announce the respective calls.</b>	<b>X</b>	
Type 2: Change in the management of the policy instrument (governance) <b>Integration of Industry 4.0 into the Kainuu RIS3 2021-2027</b>	<b>X</b>	
Type 3: Change in the strategic focus of the policy instrument		
Other improvements not corresponding to types 1-3 (please comment)		
European Territorial Cooperation programme		
Other regional development policy instrument, name of policy instrument here		

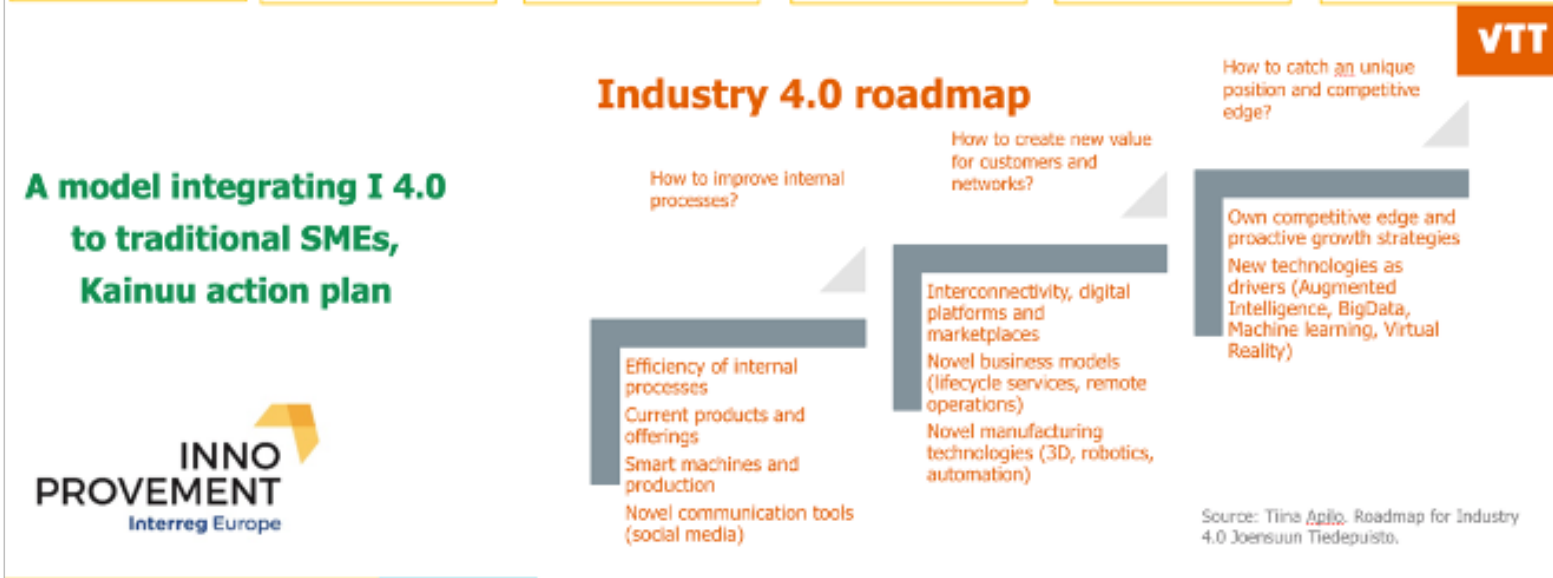
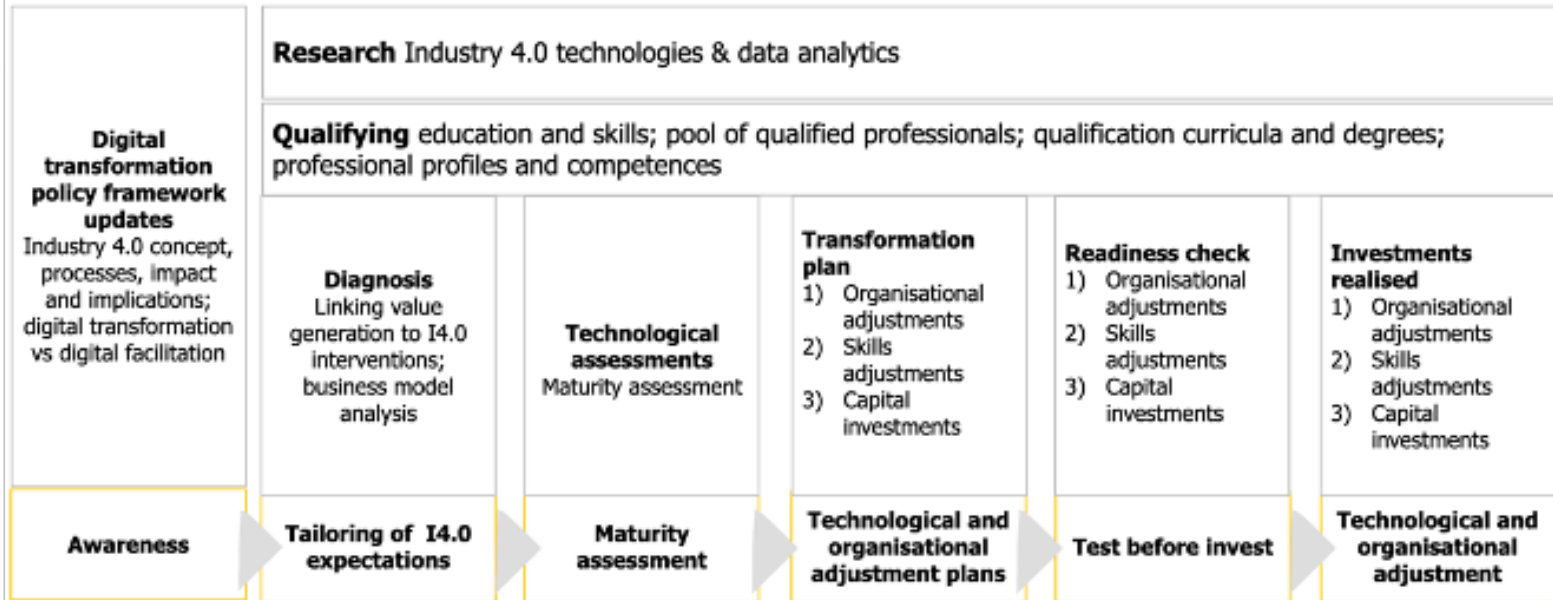
- Activity 1 Integration of Industry 4.0 into the revised RIS3.
- Activity 2 Formulation of the I4.0 SME roadmap
- Activity 3 Integration of the I 4.0 roadmap into forthcoming calls and implementation. —> today's meeting is the start of Activity 3 implementation.



# Activity 1

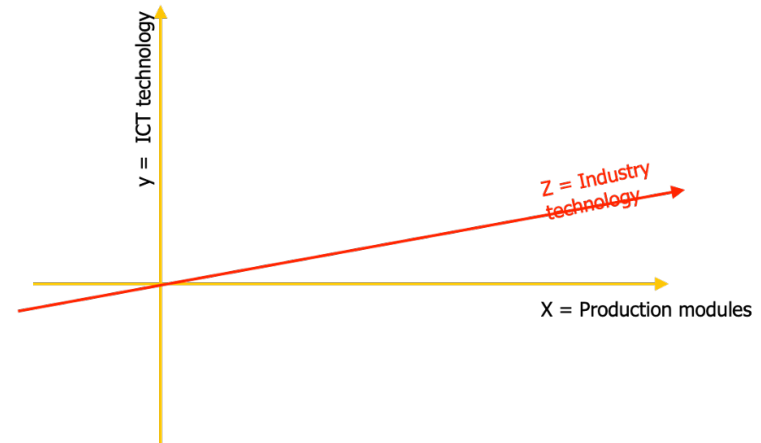
# Kainuu RIS3 2021-2027

KAINUUN LIITTO		Kainuu RIS3 2021 - 2027		Themes and industries	
<b>RIS3 Governance instruments:</b> (Instrument I) Stakeholder involvement; (Instrument II) Entrepreneurial discovery process; (Instrument III) Monitoring; (Instrument IV) Funding & financing; (Instrument V) Technical assistance reserve.	<b>1: Increasing research and promoting innovation</b>  Theme 1 is planned to reinforce the existing R&D base	<b>TEEMA 2: Strengthening and diversifying the specialisation base</b>  An important part of the Theme 2 projects is based on the utilization of applied research results produced in Theme 1.		<b>TEEMA 3: Connectivity and integration, measures for interregional collaboration</b>  Theme 3 is designed as a tool to facilitate themes 1 and 2 of the priority sectors.	
	<b>DEVELOPMENT OF INNOVATION (APPLIED RESEARCH)</b> 1. Measurement technology 2. Gaming and advanced simulation techniques (3D, VR, AR) 3. Big data analytics and high performance computing 4. Circular economy in mining and bioeconomy	<b>2A) INDUSTRIES: Bioeconomy, mining, metals and ICT</b> Promoting industrial modernization through investment 1. New product development 2. Improve production processes (eg introduction of Industry 4.0) 3. Improve the environmental and quality of products	<b>2B) KNOWLEDGE-BASED SERVICE INDUSTRIES</b> 1. Professional (winter) sports and sports coaching and training technologies and applications 2. Activity tourism 3. Social and health services (Innovations using digitalisation will be used to increase the efficiency of service production (especially social services) and to increase the added value of services. Increase international cooperation in RDI activities related to service development).	<b>BETTER FUNCTIONING OF THE REGIONAL INNOVATION SYSTEM</b> 1. Innovation infrastructures 2. Access to interregional demand-driven innovation processes 3. Emerging industries and innovation platforms, incl. interregional value chains, clusters, S3 partnerships 4. Platform economy 5. Attracting investment in RIS3 industries	
	<b>Cross-cutting themes and objectives for all RIS3 priorities</b>				
	<b>THEME 4: Digital transformation</b> Theme 4 concerns the strengthening of digital change for the industries prioritized in Theme 2. To this end, Theme 4 projects may make use of the interregional options offered in Theme 3 and / or the innovative solutions developed in Theme 1.				
	1. Deployment of Industry 4.0, including robotics and automation applications  2. Big data analytics and high power computing (HPC) utilisation				
<b>TEEMA 5. Green deal</b> Theme 5 covers both the application and development of Green Deal solutions, which will effectively lead to an environmentally friendly industrial change in Theme 2. To this end, Theme 5 projects may make use of the interregional options offered in Theme 3 and / or the innovative solutions developed in Theme 1.					
1. Production and use of clean, affordable and secure energy  2. Increasing the circular economy and environmentally sustainable production in industry  3. From field to table: a fair, healthy and environmentally friendly food system  4. Climate change mitigation and adaptation 5. Preservation and restoration of ecosystems and biodiversity 6. "Keep everyone involved" (just transition)					



## I 4.0, SME uptake roadmap

- ADDED VALUE in comparison to other approaches:
- (1) Three types of maturity assessment: digital, business, technology.
- (2) Digital transformation plan is explicitly linked to quantified cost reduction and / or anticipated profit increase.
- (3) On going monitoring and identification of knowledge gaps lead to complementary actions on research & education.
- (4) Final I4.0 investment step is optional.





**Activity 3 is mainstreaming, making permanent, and implementing on the ground Activity 2.** It follows the experiences and lessons learnt from the first round of projects under Activity 2.

1. RIS3 calls and announcement of calls (this is the focus of the meeting today 25.4.2022)
2. RIS3 / Activity 2 DELIVERY EVALUATION: The roadmap introduces some innovative aspects to regional calls and projects. Therefore, a more in-depth assessment of how well this new approach has worked, and whether it is retained for the future or modified, is also included. This is on top of the usual SF evaluations.
3. STAKEHOLDERS INVOLVEMENT: The roadmap is presented to the regional stakeholders for discussion and comments, improvements are made if needed.
4. ROADMAP INTEGRATION into more funding tools.
  - 4.1. ESF project options Preparatory meetings between the Regional Council of Kainuu and ELY Centre, in view of integrating the roadmap into funding instruments; some of them are ERDF (Regional Council of Kainuu), some of them are ESF (ELY Centre).
  - 4.2. ERDF further options, new round of prioritised projects (TOPSU) proposed. INNO PROVEMENT contributed to this list in 2021 for the first time; list was approved on 3.3.2021. The approved list has been included into the REACT EU programme,.
5. CALLS: Calls are announced, 2022 onwards

Improve, develop further and test:

- (1) Maturity analysis consolidated approaches covering the three dimensions: ICT technology, production processes, industry technology.
- (2) Professionalisation of I4.0 intermediaries.
- (3) Other?

# Action plan implementation timetable

Action plan implementation	2019		2020		2021		2022		2023	.... up to 2027
	1	2	1	2	1	2	1	2	1-2	1-2
Activity 1		DONE								
Activity 2					DONE					
Activity 3								ON GOING		



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