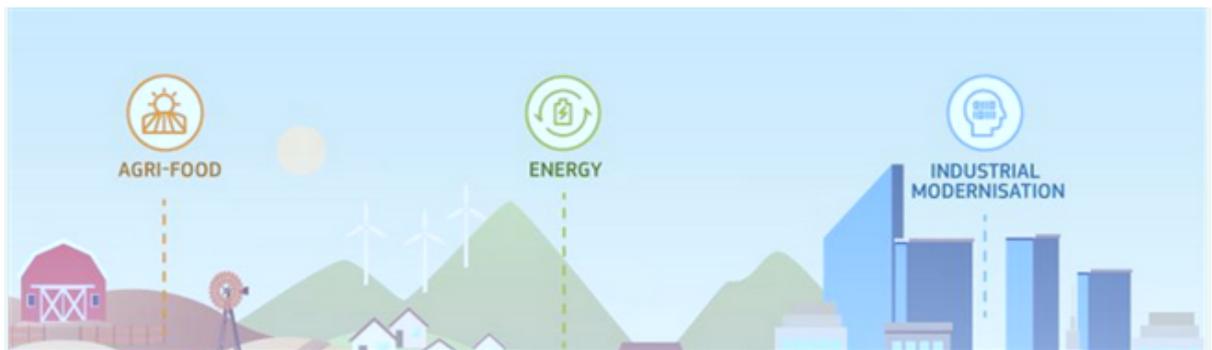


Thematic Smart Specialisation Platforms Monitoring Progress Report

Fields marked with * are mandatory.



Thematic Smart Specialisation Partnership Monitoring Progress Report

This report is presented to the relevant Working/Steering Committee.

The report is updated every six months.

Confidentiality:

The management report (section I) and progress report (section II) will be made available to the public via your Partnership's web page.

The part on self-assessment is confidential.

Based on the monitoring results, the European Commission will decide on the following term's support.

* Reporting period

July - December 2019

* Please select the name of your partnership

Artificial Intelligence and Human Machine Interface

I. Management report

Please provide the executive summary of the objectives of your partnership

During the Second Semester or 2019 the following actions were carried out.:

- Appointment of the Technical and Scientific Committee of the Partnership, and first callconference in May, the 8th: approval of the strategy and workflow of the Technical and Scientific Committee
- Creation of Sub-groups in the Technical and Scientific Committee to work on 4 main focus areas: User experience data analytics, HMI evolution, AI-enhanced Cyber Physical Automation, Usercentered Design
- Technical-Scientific Committee worked on the definition of the relevant Democases (i.e. demonstration and facility labs, accessible to SMEs for innovation) to be deployed;
- TSC thematic subgroups identified 5 Demo cases to be deployed, each with a specific target in the General Reference Framework of the thematic;
- the 5 Democases proposal has been shared among the TSC, asking for interest to collaborate in the first phase of the definition.
- a questionnaire containing technical and management aspects, including a draft financial scheme, has been prepared by Lead Regions, and shared with the TSC subgroup's leaders, asking for compilation;
- the Democases have been presented to the Regional Working Groups, asking for participation by regional stakeholders to the next detailed definition actions.
- The compiled questionnaires have been shared and summarized in a divulgative presentation;
- The presentation has been used to present the democases to the Regional Working Groups, asking for participation of local stakeholders in the next, more detailed phase of definition and deployment of the democases, to be started in 2020.

Please provide the list of leading regions

Emilia-Romagna (IT), Slovenia (SI)

Please provide the list of participating regions.

If possible, please follow this format: "Name of the region in English (Country abbreviation), NUTS code".

e.g.: Lapland (FI), FI1D7

Emilia-Romagna (IT), ITH5
 Autonomous Province of Trento (IT), ITH2
 Slovenia (SI),
 Baden-Württemberg (DE)
 Navarra (ES)
 North-Brabant (NL)
 Salzburg (AT)
 Hungary (HU)
 Provence-Alpes-Cote d'Azur (FR)
 Örebro-lan (SE)

Please provide the list of interested regions or other entities (other than national /regional authorities)



Please provide an overview of the **working areas** of your partnership

	Working area	Region in charge	Involved regions	Other actors
1	USER experience data analytics: physiological and biomechanical data analysis	Slovenia (SI)	Slovenia, Autonomous Province of Trento	
2	User centered Design	Emilia-Romagna	Emilia-Romagna, North Brabant, Autonomous Province of Trento	
3	AI inclusive and enhanced industrial data collection	Autonomous Province of Trento	Autonomous Province of Trento, Emilia-Romagna	
4	AI-enhanced machine controlling strategy lab: quality, maintenance, automation improvement	Emilia-Romagna		
5	HMI Evolution	TBD	TBD	
6				
7				
8				
9				
10				

Please provide information regarding past meetings, workshops and dissemination activities (six months prior to filling out the survey)

	Event	Date	Place	Any other information
1	TSC - first face-to-face meeting	25/7/2019	Bologna (ART-ER offices)	
2	TSC - Operative plenary conf-call	23/9/2019	Conf-call	
3	Third Steering Table Meeting	27/9/2019	Brussels (Region PACA Brussels Offices)	
4	TSC - Operative plenary conf-call	24/10/2019	Conf-call	
5	Regional Working Groups	November	All Partner Regions	
6	Fourth Industrial Modernisation Steering Committee	27/11/2019	Bologna (ART-ER offices)	
7	Fourth Steering Table Meeting	11/12/2019	Bologna (ART-ER offices)	
8				
9				
10				

Please provide information regarding planned future meetings, workshops and dissemination activities

	Event	Date	Place	Any other information
1	Steering Table meetings	March, TBD	Trento (IT) - TBD	
2	Technical-Scientific Committee	January	Conf-calls on demand	
3	Technical-Scientific Committee	February	TBD	
4				
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II. Progress report

Innovative results

Please describe innovative results and achievements that could be attributed to the partnership (specific examples of results vs. objectives)

Definition and start of deployment of 5 Democases, i.e. facility labs to be accessed by SMEs willing to introduce AI techniques in their digital transformation process.

Tangible short- and medium-term socio-economic impacts achieved or expected (specific examples)

Creation and management of a community of R&D actors in the field of AI, HMI, industrial automation, from academic and industrial sectors.
Participation of the partners project proposals.

Inter-regional and inter-partnership collaborative results

Additional results obtained from working with other partnerships under the thematic S3 Platforms (specific examples)

Not applicable yet

Evaluation of the involvement of relevant business sector (clusters, SMEs, business associations, chambers of commerce, Digital Innovation Hubs (DIHs), etcetera) in the Partnership activities (specific examples)

Two Emilia-Romagna Clust-ERs have been involved in the setting up of the regional working group: the ClustER MECH and Clust-ER INNOVATE. All partners Regions local working groups involve both big companies, SMEs, Clusters and and business associations int them. In the case of Slovenija, Jozef Stefan Institute is a stron R&I center, with a very extended network of collaborations with local and international companies. Starting from January 2019, ART-ER (formerly ASTER) is included in the DIH Catalogue. For Navarra Region the partner is AIN, the Asociación de la Industria Navarra: an impressive work has been carried on by Navarra's representatives with their local Companies and SME, carrying in very relevant needs, expertise and Discussion Topics.

Evaluation of whether the level of inter-regional cooperation is sufficient to potentially provide practical and relevant socio-economic impacts (specific examples)

The inter-regional cooperation is strong: one of the main commitments of the Steering Table is to coordinate partners in merging their interests, needs, and expertise.
The needs, expertise and opportunities coming from each Region merged in a final version of the proposal. Most of the entities representing Regions in the Partnership are strongly linked to the industrial network of their Region, giving the Partnership the chance to have a relevant and practical point of view on the socio-economic impacts of its actions.

New activities

Involvement of regions from EU13 Member States in the Partnership, in particular with respect to scoping, mapping and/or matchmaking. In addition, justification should be provided if no EU13 regions are involved

Slovenia is a co-leader Region: the strong involvement of Slovenia, by means of the Jozef Stefan Institute researchers and from local companies they are working with.
Hungary is a partner Region, and is working next to other Regions with a strong commitment.

Involvement of regions/countries from outside of EU28 Countries. (Number of participants from non-EU countries (specify their contribution)

N/A

Advancement and promotion of the Partnership through publications and other communication/outreach activities (number of outreach activities that resulted from the partnership)

Partner Regions are strongly committed in giving relevance to the AI&HMI Partnership when talking about Industrial Modernisation, Digital Transformation, and related topics.

Activities and projects with partnerships working under other S3 Thematic Platforms (AgriFood, Energy and Industrial Modernisation)

[Empty box for activities and projects with partnerships working under other S3 Thematic Platforms]

Your Partnership and the UN 2030 Sustainable Development Goals (SDGs)

The EU has a strong position when it comes to sustainable development and is also fully committed to be a frontrunner in implementing the UN's 2030 Agenda, together with its member countries and regions. Many interregional partnerships under the thematic S3 Platforms contribute strongly to the attainment of these 17 goals.

Please indicate to which Sustainable Development Goals and to what extent your thematic Partnership contributes?

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Not applicable
Goal 1. End poverty in all its forms everywhere	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 2. End hunger, achieve food security and improved nutrition & promote sustainable agriculture	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 3. Ensure healthy lives & promote well-being for all at all ages	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 5. Achieve gender equality & empower all women and girls	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 6. Ensure availability and sustainable management of water and sanitation for all	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment & decent work for all	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialisation & foster innovation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Goal 10. Reduce inequality within and among countries	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 11. Make cities & human settlements inclusive, safe, resilient and sustainable	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 12. Ensure sustainable consumption & production patterns	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 13. Take urgent action to combat climate change and its impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 14. Conserve and sustainably use the oceans, seas & marine resources for sustainable development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 16. Promote peaceful & inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 17. Strengthen the means of implementation and revitalise the Global Partnership for Sustainable Development	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>