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How the Thematic S3
Platform for Industrial
Modernisation supports
interregional cooperation in
implementation of Smart
Specialisation Strategies
(S3)?

Smart Specialisation Platform DG JRC B.3, European Commission





SMART SPECIALISATION PLATFORM



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Ostrobothnia's video on Smart Specialisation

In this video, Ostrobothnia (Finland) speaks about its experience with S3 and gives guidance to Chile



What we can do for you

The S3 Platform provides advice to EU countries and regions for the design and implementation of their Smart Specialisation Stategy (S3):

- · Provide guidance material and good practice examples
- · Inform strategy formation and policy-making
- · Facilitate peer-reviews and mutual learning
- · Support access to relevant data
- Train policy-makers



- EU Countries registered in S3P: 18
- . EU Regions registered in S3P: 170
- Non-EU Countries registered in S3P: 2
- . Non-EU Regions registered in S3P: 9
- S3P Peer-reviewed Countries: 15
- S3P Peer-reviewed Regions: 60

Smart Regions



S3P Calendar

*		Jan	uary 2	2017		
M	Т	W	Т	F	S	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

S3 Thematic Platform	S3 Governance
S3 Targeted Support	S3 Actors
S3 Cooperation	S3 Communities

Reports & Publications

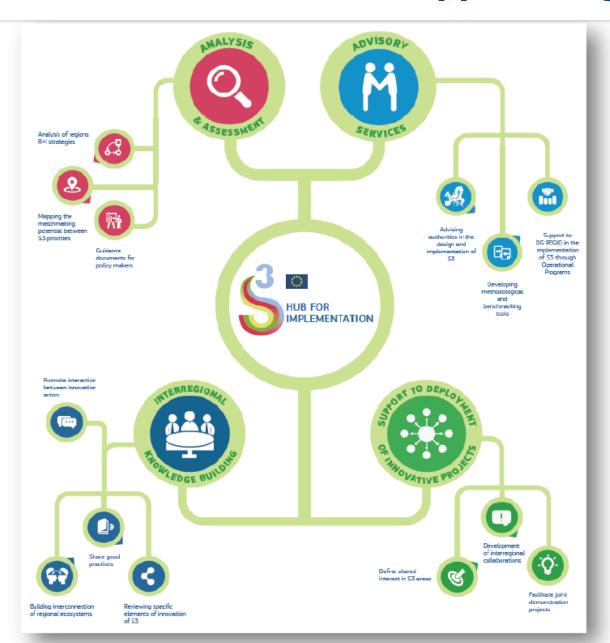
☐ RIO - Research & Innovation Observatory



S3 Platform @S3Platform

Story telling on role of universities in development of North East Romania and its #smartspecialisation strategy pic.twitter.com/9ywB8QC99E

How S3P supports regions?





Regional data on R+I investment priorities.

REGIONAL TRADE & COMPETITION

Identification of regional competitors and trade partners in specific areas.



European Structural and investment Funds data on planned ICT investments.

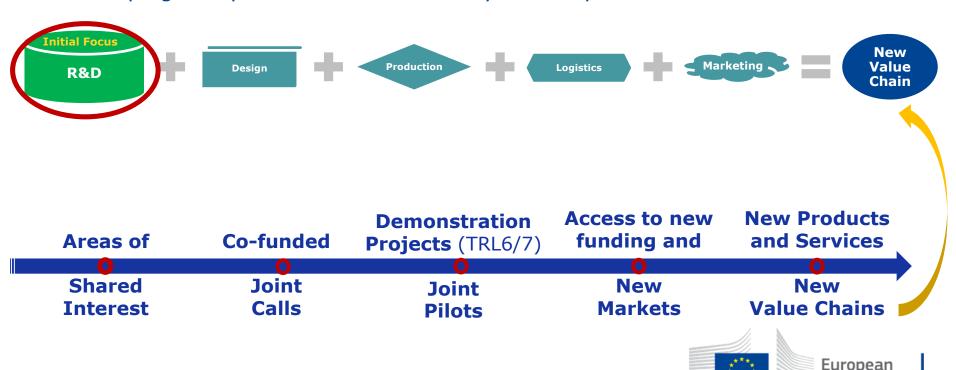


Finding reference regions based on structural similarities.



European Commission aims to...

- **support** the development and enhancement of European eco-systems for interregional collaboration based on areas of smart specialisation.
- **facilitate** the exchange of experience, mutual learning and cooperation to achieve better matching of business entities with research, as well as innovation actors with their business counterparts.
- **prepare** guidance material on the role of regional authorities in co-creating and developing European value chains in key smart specialisation niches.



Commission

Envisaged stages of the workflow

Learn: interregional knowledge building

- 'Expression of interest' to propose a theme and a candidate leadregion
- Joint identification of cooperation areas within the broader priority domains, in perspective of co-investment.

Connect: key stakeholder search and matching

- Consolidation of this scoping note and establishment of a work plan with a coalition of regions
- matchmaking between the relevant actors to identify co-investment projects (an action plan for 1 year)

Demonstrate: support to deployment of innovative products/ services

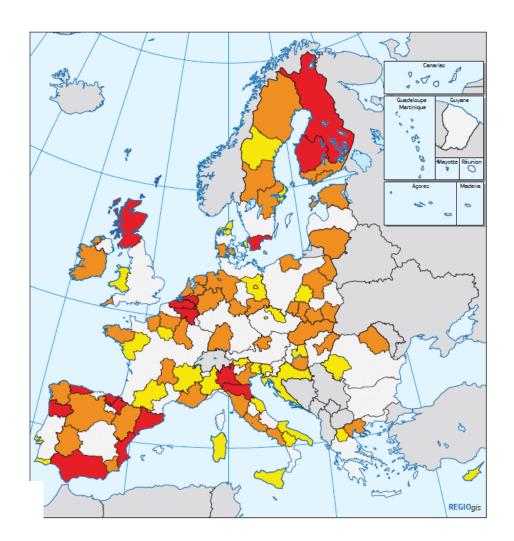
- Preparing fundable projects and business plans
- Developing investment projects
- Operationalisation of Joint Demonstration

Upscale: financing, communication, documentation and knowledge management

Smart Specialisation Thematic Platforms

Thematic platforms fostering interregional collaborations along specific S3 priorities for the realization of joint investment projects in 3 key areas:

- Agri-food
- Energy
- Industrial modernization



Thematic Smart Specialisation Platforms: Which regions participate and in how many different partnerships?

Number of participations

2 - 5 >= 6

Source: JRC. DG REGIO

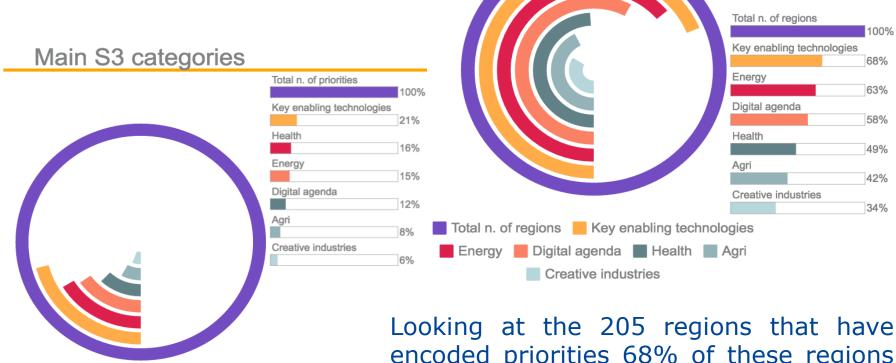


Why in industrial modernisation?

Among the over 1300 S3 priorities 21% are linked to key enabling technologies, 16% are health, 12% are digital agenda related priorities.

Total n. of priorities Key enabling technologies

Health Energy Digital agenda Agri
Creative industries



encoded priorities 68% of these regions have at least one priority related to key enabling technologies, 58% to digital agenda.

European Commission

S3P - Industrial Modernization

In summary as of today:

- 11 qualified partnerships
- 65 regional and national authorities participating
- ▶ 18 lead regions that are composing together with DGs involved the Steering Committee
- Steering Committee governing the thematic platform



Advanced manufacturing



Non-food Biomass



Efficient and Sustainable Manufacturing



3D-Printing



New Nano-Enabled Products



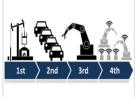
Textile Innovation



Medical technology



Photonics



SMEs to the Industry 4.0



Sport



Digitalisation and Safety for Tourism

S3P-Industry - Thematic Areas (1/3)



Advanced manufacturing

Advanced manufacturing for energy applications

Advanced manufacturing for energy applications in harsh environments (ADMA Energy) is one of the pilot actions inside VANGUARD INITIATIVE that was launched in June 2014.



Efficient and Sustainable Manufacturing

Efficient and Sustainable Manufacturing

The main objective is to transfer to industry innovative solutions coming from research and exploiting the potential of smart specialisation in order to promote new efficient and high value-added supply chains.



Non-food Biomass

Interregional cooperation on innovative use of non-food Biomass

The Bio-economy Pilot concerns the implementation of synergies in new bio-based value chains across regions based on their smart specialisations.



3D-Printing

High Performance Production through 3D-Printing

The key objective is to identify opportunities for joint-demonstration between regions, based on a solid mapping exercise and the detected complementarities between existing demonstration facilities and company needs.



S3P-Industry – Thematic Areas (2/3)



New Nano-Enabled Products

New Nano-Enabled Products

The pilot project focuses on identify existing and missing value chains within nanotechnology across Europe.



Medical technology

Medical technology

Medical technology offers new opportunities to address challenges by increasing the efficacy of healthcare and limiting the cost.



Textile Innovation

Smart Regional Investments in Textile Innovation

Objective is to strengthen regional textile innovation ecosystems across Europe and enable Textile & Clothing SME's to invest more in innovation



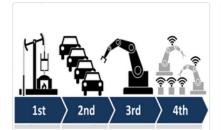
Photonics

Photonics

The goal is to identify the European photonic clusters that have unique and valuable propositions, capabilities and capacities in the various supply and value chains.



S3P-Industry – Thematic Areas (3/3)



SMEs to the Industry 4.0 Incorporation of SMEs to the Industry 4.0 paradigm and their assimilation of specialised digital services.

The objective of this partnership is to involve SMEs to the Industry 4.0 paradigm by increasing their absorption of specialised digital services.



Sport

Sport

Sport can help specific business sectors to develop, depending on the characteristics of sport demand and supply in any country.



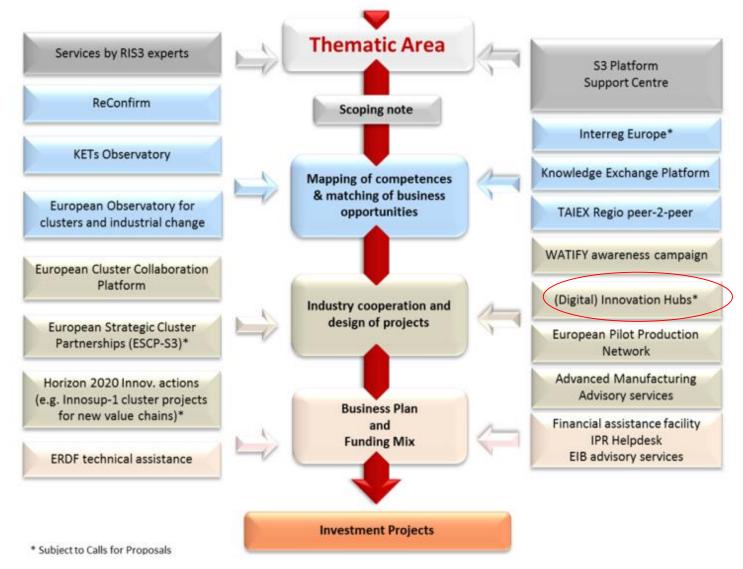
Digitalisation and Safety for Tourism

Digitalisation and Safety for Tourism

To enhance the competitiveness and fluent operations of businesses, to improve the productivity as well as to increase the travelers' feeling of safety and security



Support mechanisms





Interaction with DIH - 3 examples:

- Photonics
- SMEs to the Industry 4.0
- Digitalisation and safety in tourism



Photonics (already in the catalogue of the DIHs)

The goal with this S3 partnership is to identify and position the European photonic clusters that have unique and valuable propositions, capabilities and capacities in the various supply and value chains for the various commercial application fields. Intending to "build a global "end-to-end ecosystem" of researchers, chip designers, foundries, corporates, investors and soft/hardware developers."

Leading regions:
Flanders (BE)
South-Netherlands (NL)
Participating regions

Berlin (DE)
Bretagne (FR)

Catalonia (ES)

East Netherlands (NL)

Helsinki-Uusimaa (FI)

Mazowieckie (PL)

Östergötlands (SE)

Provence-Alpes-Côte d'Azur (FR)

Stockholm (SE)

Souther and Eastern Ireland (IE)

Thüringen (DE)



Photonics





Photonics - 2017 November

further info

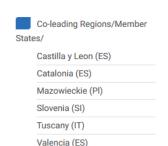
								ALSO MAD EXPENSES	
Participants	Leads		Participants						
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			Catalonia (ES)				- Ma	THE LANGE SEE	
			East Netherlands	(NL)			2	5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
			Helsinki-Uusimaa	(FI)				2-3-4-2-4-3	
			Mazowieckie (PL						
			Östergötland (SE					The state of the s	
			Provence-Alpes-C				100	77 6	
			Southern and Eas	tern Ireland (IE)			2 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			Stockholm (SE)				LA	The state of the s	
			Thüringen (DE)					hotonics and photonic enabled products	
Rationale of partnership					nted) photonics and phonon projects funding rea		products by iden	tifying best-in-class clusters in Europe,	
Status	Phase 1.				Phase 2.	Phase 3.		Phase 4.	
	Scoping On-going	Mapping	Preliminary project ideas	Matchmaking	Design of projects	Business plan	Funding mix	Investment projects	
	Scoping pape	er is in prepara	ation						
Support received	Vincent Duch	nene, Idea Cor	nsult for scoping doc	ument					
/ needed)	Applications	for funding:							
	1. Pilot Actio	n on Interregi	onal Innovation Proj	ects					
	2. 2018 : Ma	nufacturing Pi	lot Lines (providing	access to manufactu	ring of advanced photo	onics and relate	d services, target	ing a wider range of industrial players, in	Ē.
					olumes, aiming for futu				
					Delta), Germany, Belgi		UK and Ireland (T	yndall) (2017)	
	4. Interreg N	L-FL, approxir	mately Euro 3 Mio, N	letherlands (Photoni	Delta), Belgium (Brusse	el) (2018)			
Next steps /	Mapping Q1	2018							



SMEs to the Industry 4.0

For Industry 4.0 paradigm, the digital transformation is the one of the most important business trends. To be successful, the digital transformation has to involve not just single companies, but all the partners across the extended value chain, including Digital Innovation Hubs. The digitalisation should allow partners along the supply chain:

- to improve products and/or services;
- to reduce costs;
- to manage operations in a more efficient way thanks to Production Performance Monitoring;
- to better stand their competition position (access to data and information useful to fasting and better answer to the market needs).



Participating regions

Silesia (PL)
Marche (IT)

Hungary (HU)

Emilia-Romagna (IT)

Flanders (BE)

Navarra (ES)

Interested regions:

PACA (FR)

Puglia (IT)

Slovakia (SK)

Wallonia (BE)

Gävleborg (SE)

South-Holland (NL)

East-Netherlands (NL)

Lapland (FI)

Helgeland (NO)

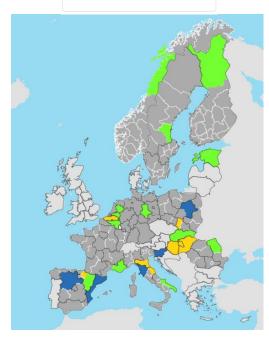
North-East Romania (RO)

Aragon (ES)

Estonia (EE)

Sachsen-Anhalt (DE)







SME-s to Industry 4.0 [merged] - 2017 November

Phase 1.				Phase 2.	Phase 3.		Phase 4.
Scoping	Mapping	Preliminary pro- ject ideas	Matchmaking	Design of projects	Business plan	Funding mix	Investment projects
Done	On going	Done	Ongoing				
	Der	mo-cases			Advancement		Support needed (including expert and indicating time)
		ce Monitoring Syste		advanced cases – map s – November 2017 – J	THE RESERVE OF THE PARTY OF THE	ach area and its value	
- Smart lo	gistics and net	ulation Technologie twork management	Consu	oping cases: tative rounds = Nove		2018	mapping of concrete inter-regional value chain and proposals (by inter-acting with local stake- holders i.e. SMEs) and project design
	ecurity for indu ed and Secure	istry Access to the "Clou	d" Valida	ng – finalisation of are ntion and endorsement ntionalisation and kick-	t by regional stakehol	ders – March – April 2018 8	norders her owners and project design
			1000	Issues to be d	iscussed on Steering	team	

Next events

Further events have to be planned. (including partnership events, agreed or needed matchmaking events for the next 6 months)

Project submitted and results

Partners applied for the INTERREG EUROPE – 2017 call. Priority Axes 2. "CYBER – Regional policies for competitive cybersecurity SMEs. Castile y Léon (ES) and Tuscany Region (IT) have been involved in the partnership led by Bretagne region (F), jointly with Digital Agency of Wallonia (BE), Chamber of Commerce and Industry of Slovenia (SI), Digital Agency of Wallonia (BE), Chamber of Commerce and Industry of Slovenia (SI), Information System Authority (EE).



Digitalisation and safety in tourism

The main objective of this thematic area is to help to strengthen tourism industries in the EU, especially in tourism digitalisation and tourism safety. The main goal of this thematic area is to reinforce the regional innovation capacity to facilitate investments based on open innovation infrastructure or new technology by clusters in regional innovation ecosystems.

The tourism regions involved will make a break-through in investments as they have strategically put the digitalization and safety in use as the key competitive factors.

Leading regions:
Andalucia (ES)
Lapland (FI)
Slovenia (SI)

Participating regions

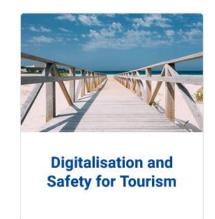
Castile y Leon (ES)

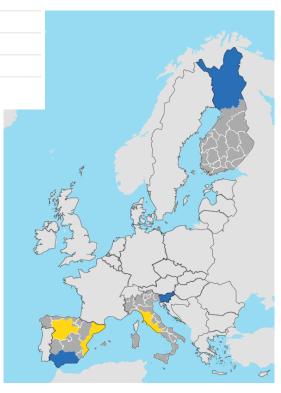
Catalonia (ES)

Lazio (IT)

Tuscany (IT)

Valencia (ES)







Digitalisation and safety in tourism - 2017 November

Participants	Leads		Participants					700
	Andalusia, l Lapland, lea Slovenia, co	ad	Castile y Leon Catalonia Lazio Toscana					
			Valencia					
Background	close coope	eration with NE	CSTouR was establish	ed. Nine more regi		erest in joining the		wo regions as leaders were appointed. The new thematic area of Digitalisation ar
Rationale of partnership	An Increase	and boost inv	estment in the tourisr	n Industry is the m	nain purpose for setting	g this partnership.		olved have included Tourism in their regio ters and/or collaboration structures invol
	ing stakeho services/pro	lders from ind oducts (in serv	ustry, authorities and	academia. Two sul typically is an int	b-themes, digitalization	and safety, are glo	bal megatren	ds in tourism, which can lead to Innovativareas being worthy of special support fro
Status	Phase 1.				Phase 2.	Phase 3.		Phase 4.
TOTAL TOTAL CO.					Litabe 71	Lildon 21		Lilean At
	Scoping	Mapping Ongoing	Preliminary pro- ject ideas Done	Matchmaking	Design of projects	Business plan	Funding mix	Investment projects
Support received	Scoping Done Scoping and	Ongoing d preliminary p	ject ideas Done roject ideas (Eol phase	e), supported by JR	Design of projects C, DG Grow, DG Regio	Business plan Demo-cases / p	mix ilot areas	Investment projects
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Topics for DIH collaboration

- Establishment of a pan-European DIH Network
- Sharing of best practices
- Joint projects in (possibly in H2020; Cosme, Erasmus, Interreg):
 - Robotics
 - Visualisation
 - Industrial automation
 - Industrial transformation
- Service development
- Match-making
- Cross clustering
- Secondments, exchange of people
- Digital maturity benchmarking
- Demonstration networks
- Joint Voucher schemes

