



Technical Assistance for Turkey in Horizon 2020 Phase-II EuropeAid/139098/IH/SER/TR

Turkey in Horizon 2020 II

INNOSUP-01-2018-2020: Cluster facilitated projects for new industrial value chains

Focus Group Training

Call and background documents, Successful projects

Grigoris Chatzikostas

Training Coordinator







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Training Coordinator in "Turkey in Horizon 2020 – Phase II" project



Managing multi-national and cross-sectoral consortia, writing proposals for EU funding and coordinating large-scale projects that promote tech-enabled entrepreneurship in various sectors such as agrifood, ICT, environment, health, manufacturing, entrepreneurship etc.

Training, coaching, mentoring and supporting researchers and innovators on issues related to proposal writing for EU funding opportunities, project management of EU funded projects, IPR management and entrepreneurship, in countries such as Greece, Serbia, Bulgaria, Turkey, Tunisia, Poland etc

15yrs

Experience in EU projects



1st position in Serbia in attracting H2020 funds

100+ m€

Total value of projects managed







PROJECTS (INDICATIVE)



















INNOVATION HUBS IN ROBOTICS





















ENORASIS





EXPERIENCE IN INNOSUP-01 (AND OTHER CASCADE FUNDING)

EXPERIENCE IN INNOSUP-01





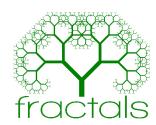
ROLE

- □ Core proposal writing team
- WP Leader/ Innovation manager
- ☐ Active in promoting and managing Open Calls

EXPERIENCE IN OTHER CASCADE FUNDING PROJECTS

















SOME HIGHLIGHTS FROM KATANA





https://katanaproject.eu







BASIC TERMINOLOGY - CLUSTERS

Clusters are groups of specialised enterprises, often SMEs, and other related supporting actors in a location that cooperate closely.

Together, SMEs can be more innovative, create more jobs, and register more international trademarks and patents than alone.

Why do clusters matter?

- □ boosting collaboration and connecting enterprises, especially SMEs, and building bridges across Europe's ecosystems
- □ supporting innovation take-up, internationalisation and scaling-up of SMEs
- □ setting up transnational partnerships to better help SMEs access global value chains
- □ as change agents in the **digital** and carbon-neutral **'green'** transformation

Source: https://ec.europa.eu/growth/industry/policy/cluster_en







THE ROLE OF CLUSTERS IN EUROPEAN ECONOMY

- ➤ 3 000 clusters across Europe 54 million jobs and 45% of all traded industries' wages (23% of the overall economy)
- > wages in strong clusters are close to 3% higher wages than in industries not located in such regional hotspots,
- ➤ 103 leading clusters are in the top 20% of European peers across all four performance dimensions measured (size, specialisation, productivity, and dynamism)
- ➤ all parts of Europe have clusters; 55% of all European regions have between 30% and 60% of traded industries employment in strong clusters







BASIC TERMINOLOGY – EMERGING INDUSTRIES / VALUE CHAINS

- □ Clusters offer a favorable eco-system, which encourages competition and cooperation among firms with different industrial backgrounds, technological and business expertise
- Industrial value chains are value creation stages that enterprises and other organisations go through when designing and delivering goods and services for their users, increasingly reconfigured because of crossborder and cross-sectoral collaboration
- ☐ Emerging industries come into existence with the creation of a new industrial value chain, or the radical reconfiguration of an existing one, driven by a disruptive idea or ideas, leading to new products/services with higher added value
- ☐ Emerging industries can also benefit from the particular collaborative opportunities clustering provides

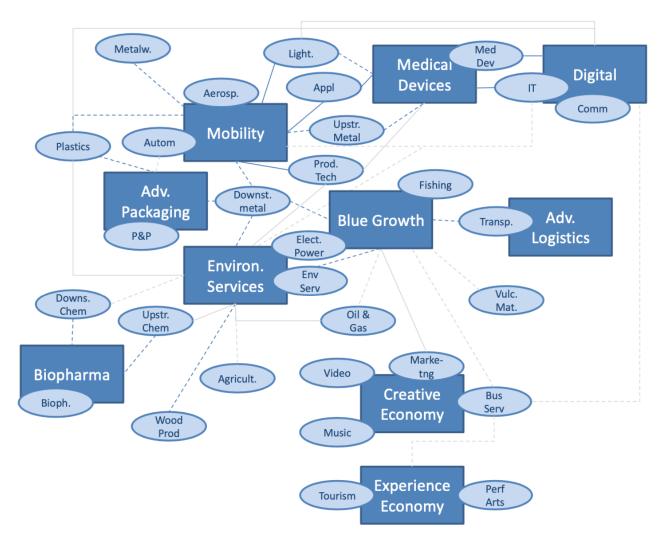
Source: https://ec.europa.eu/growth/industry/policy/cluster/emerging-industries_en







BASIC TERMINOLOGY – EMERGING INDUSTRIES / VALUE CHAINS









S3 FOR INDUSTRIAL MODERNIZATION

17 thematic areas under S3 for Industrial Modernisation



Advanced manufacturing



3D Printing



Non-food biomass



Efficient & Sustainable Manufacturing



Nano-Enabled **Products**



Personalised medicine

SMEs to

Industry 4.0



Social Economy



European Cyber Valleys



Artificial intelligence & Human machine



Advanced materials on bateries





Textile Innovation



Medical Technology



Sport



Chemicals



Photonics



Digitalisation & Safety for **Tourism**







EMERGING INDUSTRIES: OVERALL TRENDS AND HOTSPOTS

- > account together for about 46% of all traded industry employment
- > continue to outperform the rest of the traded economy with average wages about 9% higher than in all traded industries
- ➤ have about 40% of Europe economic activity in cross-sectoral, emerging industries concentrated in 20% of all European locations
- ➤ tend to be strongest in regions that have a strong portfolio of traditional sectoral clusters and above average economic performance with average value added per employee 37% above the EU average
- have each their own geographical footprint, indicating location-specific opportunities for specialisation and diversification







COOPERATION AND COMPETITION ACROSS ECOSYSTEMS









INNOSUP-01 CALL ID

10 pages for 1st stage

70 pages for 2nd stage

Innovation action

Deadline Model: two-stage

Deadline: 02 April 2020 17:00:00 Brussels time

2nd stage Deadline: 08 September 2020 17:00:00 Brussels time

EU funding rate 70% (except non-profit, still funded 100%)

Funding is more focused on **closer-to-the-market activities** (prototyping, testing, demonstrating, piloting, scaling-up etc. if they aim at producing new or improved products or services)







SPECIFIC CHALLENGE

- ☐ To develop **new cross-sectoral industrial value chains** across the EU, by building upon the **innovation potential of SMEs**
- ☐ The EU needs to support the development of **emerging industries**, which will provide the growth and employment of the future
- ☐ The development of new industrial value chains calls for the collaboration and integration of different innovation actors, including large enterprises and especially SMEs, across different sectors towards the implementation of a joint vision
- □ Application of existing crosscutting or emerging technologies, advanced manufacturing, ICT, eco-innovative and resource- efficient solutions, new business models, service innovation and design
- ☐ The potential of clusters that represent favorable ecosystems for innovation and entrepreneurship need to be better exploited in this respect







SCOPE

- Cross-border and cross-sectoral collaboration, innovation and entrepreneurship across different regions and value chains
 Coordination and facilitation led by clusters and other intermedia
- Coordination and facilitation led by clusters and other intermediary organisations
- Systemic approach that combines different resources, tools and instruments
- ☐ Supporting SMEs with mutually reinforcing competences to create **new** industrial value chains
- Strategic vision for building new industrial value chains across the EU Member States and Associated Countries
- ☐ Focus on addressing specific problems and challenges
- ☐ Collaboration and networking activities for SMEs
- ☐ Favourable "open space" for cross-sectoral fertilisation and value chain innovation







SCOPE – DEMONSTRATE CAPACITY TO:

- □ Validate ideas for structured innovation projects driven by SMEs from different sectors and countries in collaboration with other innovation actors and facilitate the coordination towards new industrial value chains through this collaboration space
- Support innovation activities and/or channel a mix of different targeted entrepreneurial and innovation support measures (such as mentoring, coaching, innovation and technical assistance vouchers, etc.) directly to the innovation actors of the validated innovation projects to further support their development, integration and large-scale demonstration in a strategic manner
- □ At least 75% of the total proposed budget shall be allocated to support innovation in SMEs directly, whereby the SMEs benefit by either participating in the consortium or by receiving financial and/or other support as a third party







EXPECTED IMPACT

- □ Strengthen industrial leadership in the EU Member States and Associated Countries by reinforcing value chains that integrate innovative solutions in SMEs, along and across existing value chains.
- ☐ Stimulate the creation of new globally competitive industrial value chains across the EU Member States and Associated Countries to accelerate the development of emerging industries, which will boost industrial competitiveness and underpin future economic growth, jobs, and progress towards a resource-efficient economy.
- □ Further leverage and complement support for innovation in SMEs and other funding, which may be provided by national or regional authorities (including under the European Structural and Investment Funds) and/or by private investors (upfront or as follow-up investments), including in relation to the European Fund for Strategic Investments.







EXPECTED IMPACT

- ☐ Contribute to the implementation of regional and national research and innovation strategies for **smart specialisation strategies (RIS3)**, modern cluster policies as well as of strategic inter-regional collaboration under thematic Smart Specialisation Platforms
- Provide a clear and measurable contribution to the innovation performance of the supported SMEs in the short-term as revealed by indicators such as numbers of new or significantly improved products (goods and/or services), processes, new marketing methods, or new organizational methods -, and to its impact on resource efficiency and/or turnover. A wider impact is also expected in the medium-term.
- ☐ Improve the business environment of the supported SMEs by establishing open collaboration spaces that can involve innovation actors from different sectors and countries. Further impact on business turnover.

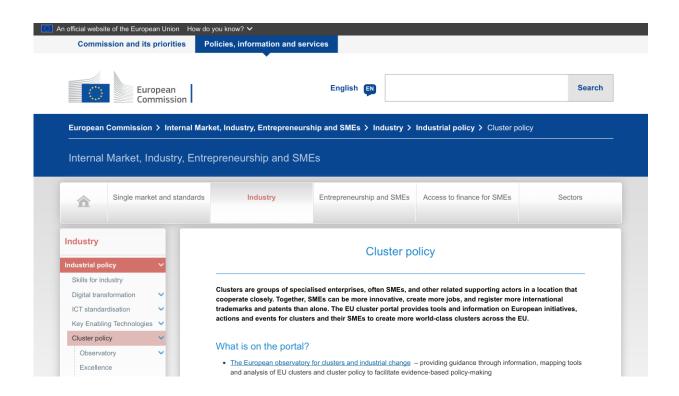






EU CLUSTER PORTAL

- ✓ To understand the EU policy background related to clusters
- ✓ To use in relevant parts of the proposal (Concept and Impact)



Source: https://ec.europa.eu/growth/industry/policy/cluster_en







BACKGROUND NOTE OF INNOSUP CALL

- ✓ To understand call requirements in detail
- ✓ To select the right partners
- √ To prepare the budget correctly
- ✓ To avoid mistakes in proposal conceptualization and writing



H2020 Programme 2018-2020 For a better innovation support to SMEs

Innosup-01-2018-2020 Cluster facilitated projects for new industrial value chains Background Note

> Version 1.2 4 December 2019



THE MOST USEFUL BACKGROUND DOCUMENT

Source:

https://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-note-innosup-1-18-20_en.pdf

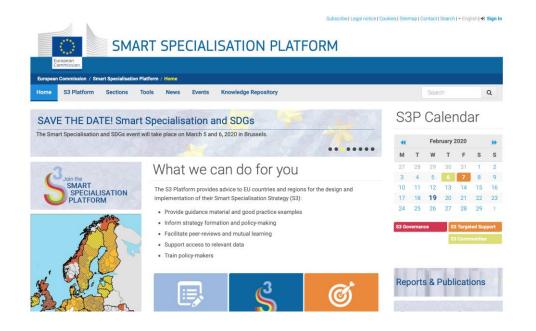






SMART SPECIALIZATION PLATFORM

- ✓ To understand the RIS3 concept
- ✓ To link the project with regional initiatives
- ✓ To identify complimentary sources of funding
- ✓ To use this information while writing the IMPACT section



Source: https://s3platform.jrc.ec.europa.eu







EUROPEAN CLUSTER COLLABORATION PLATFORM

- ✓ To become familiar with the European clusters' ecosystem
- ✓ To find partners
- ✓ To identify potential competitors



Source: https://www.clustercollaboration.eu







- **✓** Since 2015
- √ 5 rounds so far
- √ 18+5=23 projects funded, in total
- ✓ Graphs refer to 18 contracted projects
- ✓ 5 new projects in Grant Agreement Preparation (limited data)
- ✓ 2020 is the final round for Horizon 2020

€ 26.2 million

given to SMEs in funding and services to date

1,662 SMEs supported plus 149 SME-led consortia

across 36

covering 27
out of 28
EU member
states

and 9 out of 16 H2020 associated countries

1,372 SMEs received innovation support services

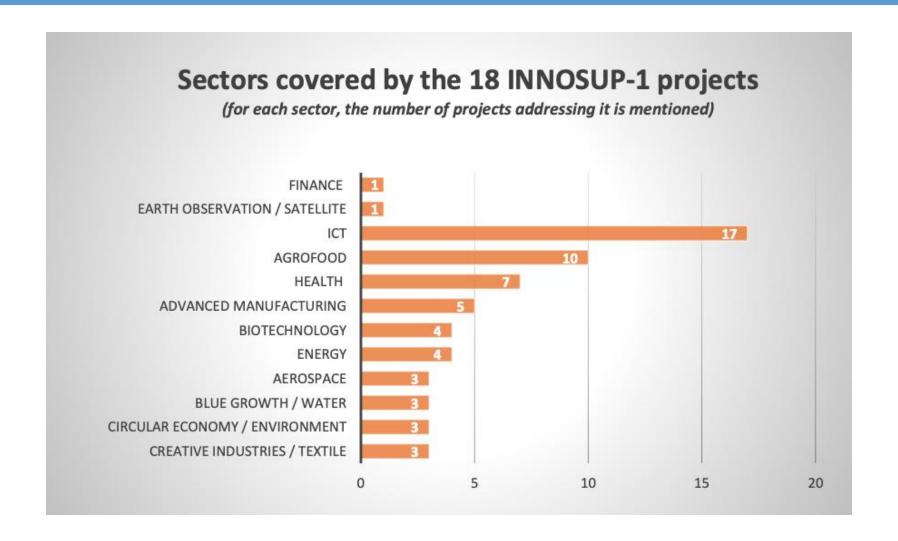
505 SMEs received innovation vouchers

188 SMEs received funding for innovation





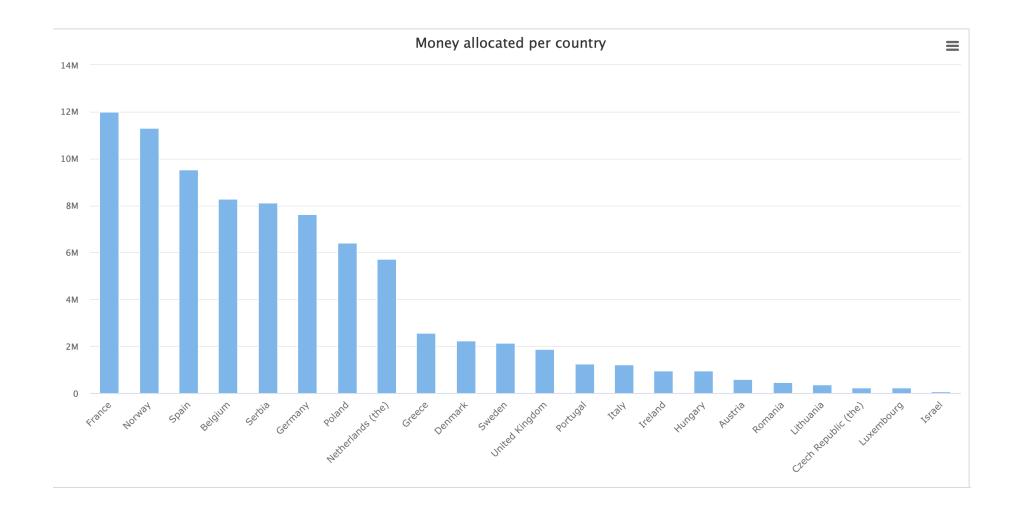




















https://acttivate.eu/



https://katanaproject.eu/



http://www.neptune-project.eu



http://www.h2020-superbio.eu



http://permides.eu



http://www.innolabs.io



https://www.inclusilver.eu









https://www.impact-accelerator.com/connected-car



http://www.cross4health.eu



https://www.iot4industry.eu



https://www.projectdiva.eu



https://c-voucher.com



https://vidaproject.eu









https://parsec-accelerator.eu



https://s3food.eu



https://www.smartx-europe.eu



https://blockis.eu



https://digibcube.eu







SUCCESFUL PROJECTS - NEW

DigiCirc	European cluster-led accelerator for digitisation of the circular economy across key emerging sectors	CAP DIGITAL (FR)
GALACTICA	Smart Industrial innovation as enabler to drive new value chains for textiles and aerospace	ASSOCIACIO AGRUPACIO D'EMPRESES INNOVADORES TEXTILS (ES)
GALATEA	GROW AND ACCELERATE YOUR SMART PROJECTS IN NEW VALUE CHAINS OF THE EUROPEAN BLUE ECONOMY	TOULON VAR TECHNOLOGIES (FR)
METABUILDING	METAclustering for cross-sectoral and cross-border innovation ecosystem BUILDING for the European Construction, Additive Manufacturing and Nature-Based Solutions industrial sectors'	NOBATEK INEF 4 (FR)
UFO	Emerging indUstries new value chains boosted by small Flying Objects	AEROSPACE VALLEY (FR)







