

Science Technology and Innovation for Sustainable Development Goals: Smart Specialisation and transnational partnerships

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S3 for SDGs

Smart specialisation for sustainability is a place-based innovation-led transformation agenda for growth and sustainability.

Work towards an updated Smart Specialisation methodology that includes SDG mapping that allows to directly link the STI roadmapping process with the Agenda 2030.



Smart Specialisation for Sustainable Development Goals

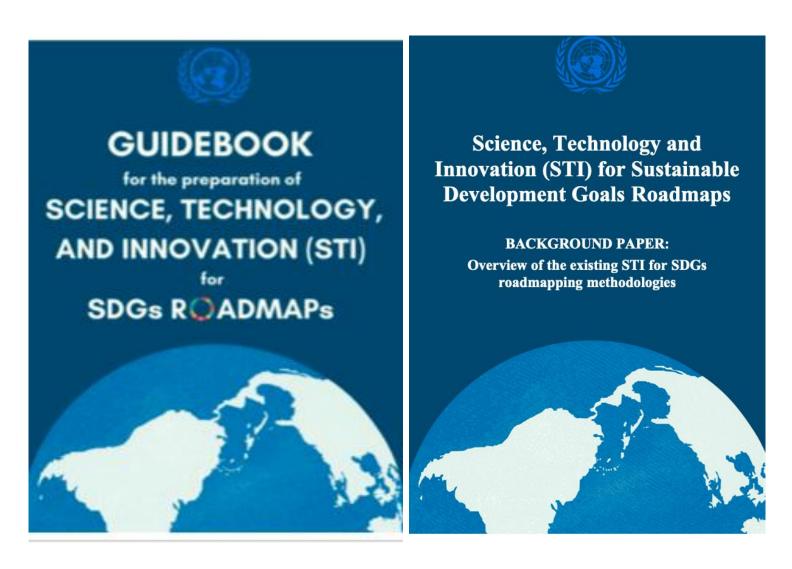
Localised Science, Technology and Innovation Roadmaps for transformation and development

#SmartSpecialisation

STI for SDGs roadmapping:
JRC contribution

Question:

How can existing methodologies, tools and information sources be applied in designing, implementing and evaluating STI for the SDGs roadmaps?



https://sustainabledevelopment.un.org/tfm#roadmaps

Preparation of STI for SDGs Roadmap – key steps

1. DEFINE OBJECTIVES AND SCOPE

• Defining rationale and objective

7. MONITOR EVALUATE AND UPDATE PLAN

- Monitoring
- •Evaluation and revision of the STI roadmap
- Knowledge management and learning

6. DEVELOP DETAILED STI FOR SDG ROADMAP DOCUMENT

- Operationalisation definition of concrete steps on linking vision, analysis, priority setting and implementation
- Definition of policy mix
- Definition of financial tools
- •Implementation (execution) stage
- Governance formal (legally-based) and informal coordination of the STI roadmap

2. ASSESS CURRENT SITUATION

- Evaluation of current situation and understanding of current mandates
- Gathering data and evidence for STI roadmaps
- Outward looking dimension and exploration of existing and potential international partnerships and collaboration

3. DEVELOP VISION, GOALS AND TARGETS

• Elaboration of shared vision for the future

5. ASSESS ALTERNATIVE PATHWAYS

•Foresight, future studies and similar exercises

4. DIALOGUE AND CONSULTATION WITH STAKEHOLDERS

•Co-creation and shared ownership of priorities and the STI roadmap

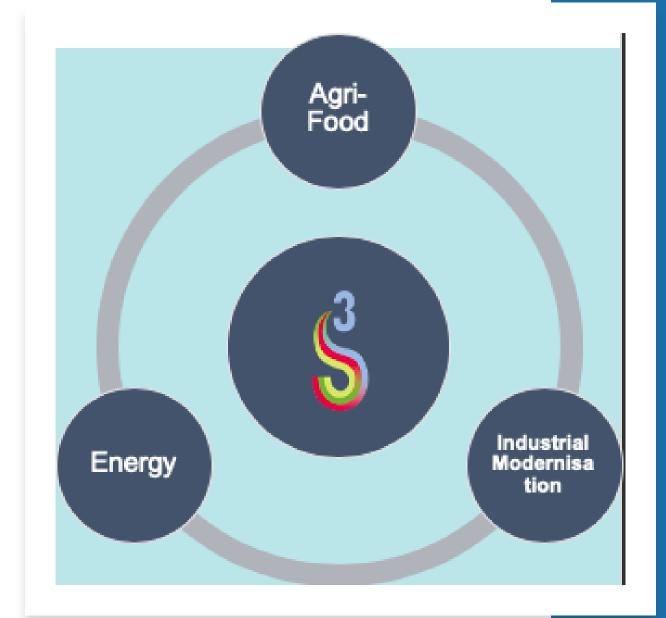
Methodological steps			
DEFINE OBJECTIVES AND SCOPE	Focus on STI policy	Focus on sectorial policy	Focus on social, economic and environmental challenges
ASSESS CURRENT SITUATION	 STI POLICY REVIEWS (OECD) GO-SPIN (UNESCO) PERs in STI (WB) 	SIIG (UNIDO)	 SMART SPECIALISATION (EC-JRC) STIP (UNCTAD) TIP (TIPC)
DEVELOP VISION, GOALS AND TARGETS			 SMART SPECIALISATION (EC-JRC) STIP (UNCTAD) TIP (TIPC)
DIALOGUE AND CONSULTATION WITH STAKEHOLDERS	STI POLICY REVIEWS (OECD)GO-SPIN (UNESCO)	SIIG (UNIDO)	 SMART SPECIALISATION (EC-JRC) STIP (UNCTAD) TIP (TIPC)
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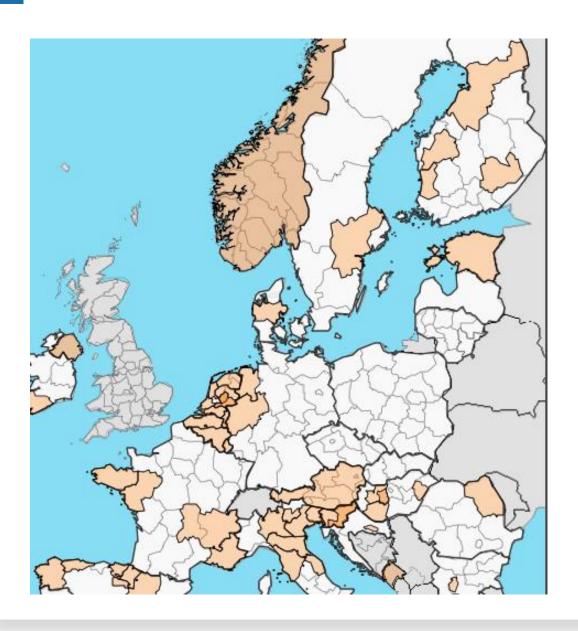
Background paper STI for SDGs Roadmapping: conclusions

- Numerous approaches and methodologies for STI roadmap, not necessarily developed within the framework of SDGs
- Yet, include useful elements eg. policy instruments, financing of the roadmap, creating the joint vision
- Institutional capacity is key for effective development and implementation of the roadmap
- Roadmap is effective only if implemented need institutional commitment and investments.
- Global community and IOs revising approaches and methods learning from Global Pilot Programme
- International partnerships can bring expertise, experience and missing capacities into the roadmapping process

Smart Specialisation Thematic Platforms

- Launched in 2015-2016
- 220 national and subnational authorities from 35 EU and non-EU countries
- 33 Thematic Partnerships
- EC services across Directorate-Generals participate





S3P Thematic Platform on Agri-food

- 59 national and subnational territorial units from 23 countries (19 EU countries and 4 non-EU)
- The majority are from Italy (11), Spain (8), Netherlands
 (6), Finland (4), France (4), Hungary (4)
- Five Partnerships:
 - Consumer Involvement in Agri-Food (4),
 - High-tech Farming (34),
 - Nutritional Ingredients (10),
 - Smart Sensors for Agri-Food (16)
 - Traceability and Big Data (22)

https://s3platform.jrc.ec.europa.eu/agri-food-thematicareas



INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP

Data boosting a more sustainable, responsible and competitive agri-food sector

CONTRIBUTION TO SDGs









PARTNERSHIPS AND COLLABORATION

PARTNERS

Regional cooperation to boost innovation and digitisation in the European agri-food value chain involving 22 regional and national administrations from 11 countries (10 EU and 1 non-EU country): Andolusia, Emilio-Romagna, Aragon, Bosque Country, Bretagne, Centrol Macedonia, Cork Country, Extremadura, Friuli Venezio Giulia, Galicia, Hadjū-Bihar, Limburg, Midale Black Sea, Navarra, Northern Ostrobathnia, Pays de la Loire, Pazardzhik, Sardinia, Satakunta, South Ostrobothnia, South Sava, South

STAKEHOLDERS

The Partnership developed regional nodes by connecting more than 1,600 stakeholders, including companies, industries, universities, trade unions and civil associations across EU countries and some non-EU countries.

WEBPAGE

https://europa.eu/bT88Gk

ACTION •

PROBLEM 4

Insufficient digitalisation of agri-food sector value chains.

INNOVATION 4

The main objective of the Partnership is to encourage, motivate and facilitate the incorporation of the necessary digital technologies in the agri-food sector value chain to make progress towards digital economy.

EXAMPLE OF PROJECT: COMPLAT

Is a project that offers a communication and traceability tool for the agrifood value chain connecting food producers processors, retailers, distributors and consumers.

SUSTAINABILITY 4

More sustainable, responsible and competitive agri-food sector.



https://s3platform.jrc.ec.europa.eu/-/smart-specialisation-and-sdgs?inheritRedirect=true

To conclude...

- Smart Specialisation for sustainability based on a bottom-up approach with involvement of local stakeholders – this scaled up at European and potentially global level through Partnerships to address concrete socio-economic and environmental challenges.
- With the leadership, capacities and innovative ideas coupled with transnational collaboration, the countries and regions will be able to develop solutions required to achieve post-Covid reconstruction and systemic changes.





Thank you!

- **●** ■S3Platform
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