The European Commission's science and knowledge service
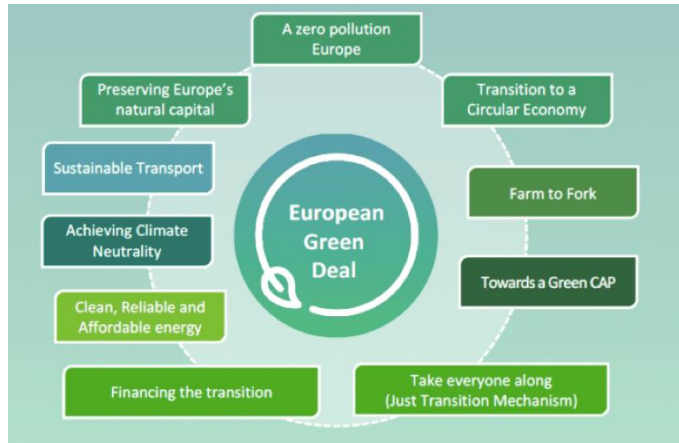
Joint Research Centre

S3 Thematic Platform on Agri-food: Vision for Agri-food R&D
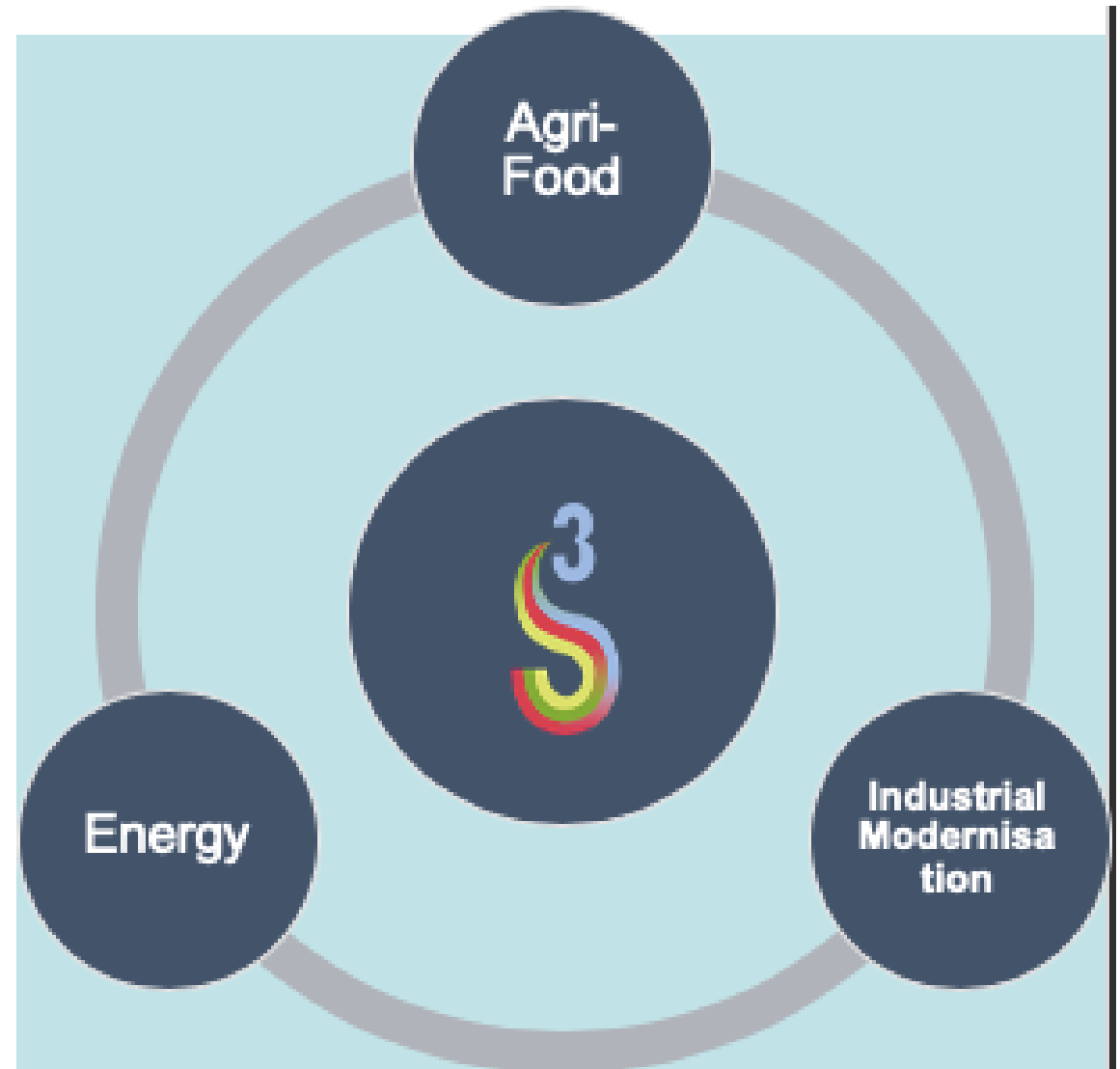
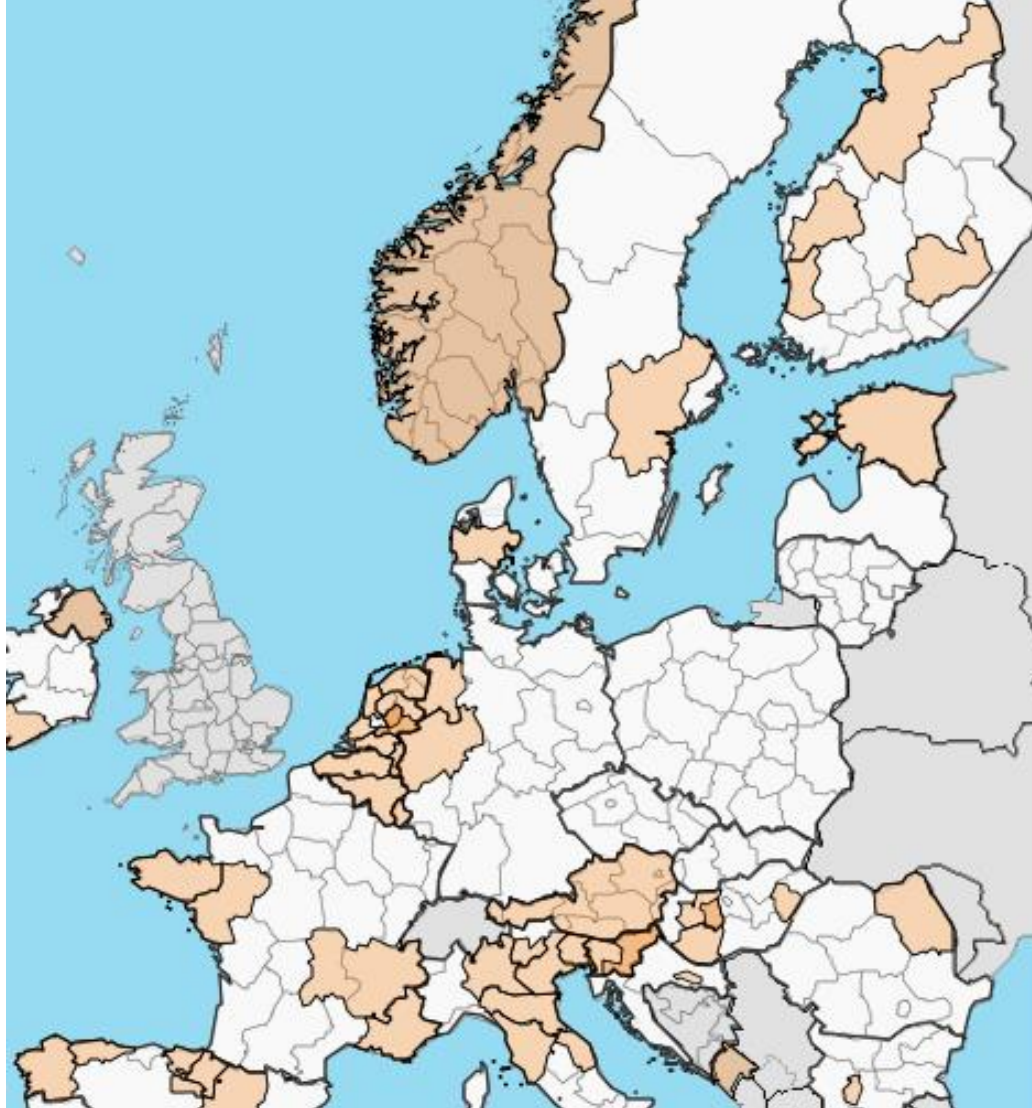**Dr. Katerina Ciampi Stancova**

Current situation

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-thematic-areas

INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP
Consumer Involvement in Agri-food Innovation

CONTRIBUTION TO SDGs

PARTNERSHIPS AND COLLABORATION

ACTION

PARTNERS
The Partnership connects **4** regional and national administrations from **4** countries: Food Valley/ East Netherlands, Östergötland/East Central Sweden, Central Denmark, South Ostrobothnia.

PROBLEM
Malnutrition in an ageing population threatening their health and leading to greater demands on healthcare.

INNOVATION

INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP
High Technology Farming

CONTRIBUTION TO SDGs

PARTNERSHIPS AND COLLABORATION

ACTION

PARTNERS
The Partnership connects **34** regional and national administrations from **18** countries (15 EU and 3 non-EU countries) with a strong priority related with the innovation and adoption

PROBLEM
Modernisation of four food value chains: arables, horticulture, protected cultivations and livestock.

INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP
Smart sensors for sustainable, resilient and smart food system

CONTRIBUTION TO SDGs

PARTNERSHIPS AND COLLABORATION

ACTION

PARTNERS
The Partnership connects **16** regional and national administrations from **12** countries: Flanders, Wallonia, Asturias, Attica, Austria, Auvergne Rhône-Alpes, Bretagne, Central Denmark, Galicia, Central Transdanubian Region,

PROBLEM
The barriers for agri-food companies to access and implement the newest smart sensor systems.

INNOVATION
The Partnership supports business ecosystem by

INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP
Building new and sustainable value-chains for innovative ingredients

CONTRIBUTION TO SDGs

PARTNERSHIPS AND COLLABORATION

ACTION

PARTNERS
The Partnership connects **10** regional and national administrations from **7** countries: Wallonia, Flanders, Galicia, Asturias, Central Denmark, Emilia-Romagna, Provence-Alpes-Côte

PROBLEM
Adaptation of farmers, food companies, retailers to consumers' demand for sustainable and healthy products, by suggesting differentiated products (food quality and functionality, safety,

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INTERNATIONAL SMART SPECIALISATION AGRI-FOOD PARTNERSHIP
Data boosting a more sustainable, responsible and competitive agri-food sector

CONTRIBUTION TO SDGs

PARTNERSHIPS AND COLLABORATION

ACTION

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): Andalusia, Emilia-Romagna, Aragon, Basque Country, Bretagne, Central Macedonia, Cork County, Extremadura, Friuli Venezia Giulia, Galicia, Hajdú-Bihar, Limburg, Middle Black Sea, Navarra, Northern Ostrobothnia, Pays de la Loire, Pazardzhik, Sardinia, Satakunta, South Ostrobothnia, South Sava, South Transdanubian.

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

PROBLEM
Insufficient digitalisation of agri-food sector value chains.

INNOVATION
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
More sustainable, responsible and competitive agri-food sector.

Traceability & Big Data Partnership initiatives

Focused on creating opportunities for cross-collaboration:

❑ Scouting process: looks for initiatives, projects and pilots developed within the regions involved in the Partnership (TRL ≥ 5).

❑ Surveillance unit: matches initiatives detected in the scouting process with opportunities for participating on interregional projects (e.g. H2020, Green Deal calls, etc.).

🐦 **@DataAgriS3**

🌐 **www.traceabilityandbigdata.eu**

Regular members

SMART SENSORS 4 AGRI-FOOD: OBJECTIVES

SET-UP A NETWORK OF INTERLINKED, OPEN ACCESS LIVING LABS TO FACILITATE THE IMPLEMENTATION OF SMART SENSOR SYSTEMS IN THE AGRI-FOOD INDUSTRY:

LIVING LAB IN THE INNOVATION ECOSYSTEM

the innovation system linked to the digitalization of the agri-food industry and central position of the living labs
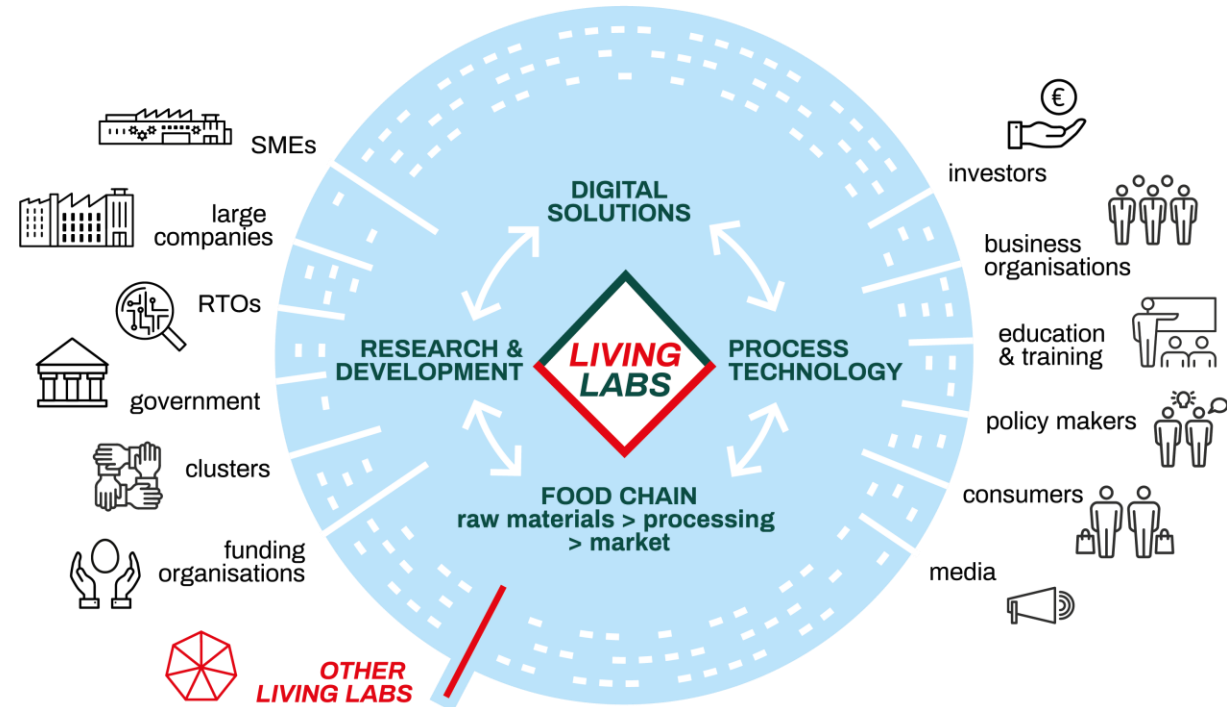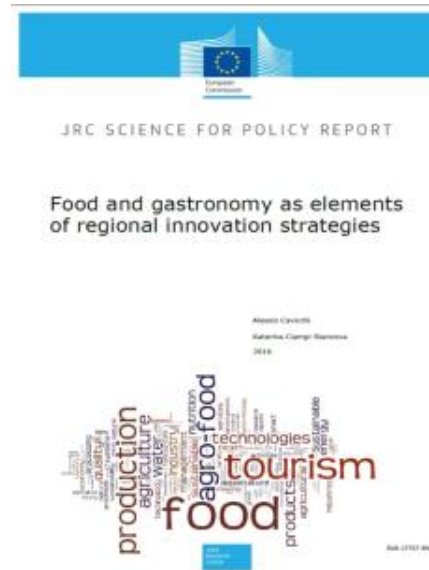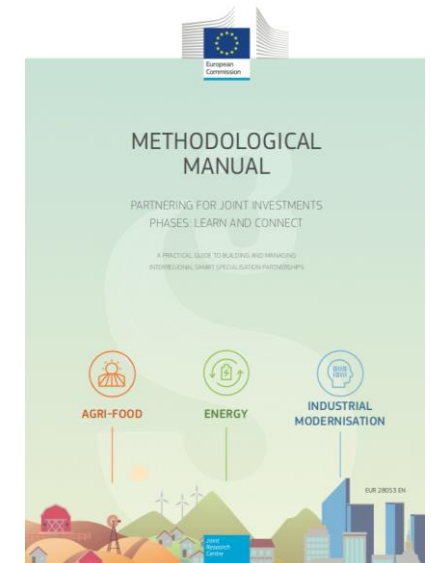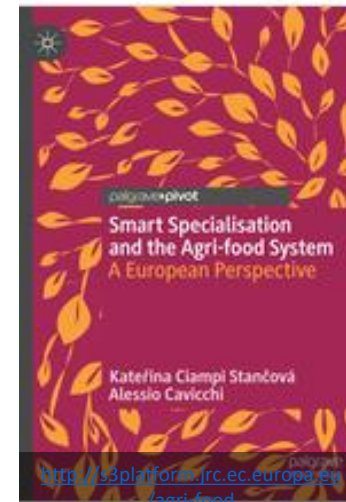
Publications

JRC TECHNICAL REPORTS

Dynamics of Smart Specialisation Agri-food Trans-regional Cooperation

S3 Policy Brief Series No. 21/2017

JRC SCIENCE FOR POLICY REPORT

Food and gastronomy as elements of regional innovation strategies

Interregional cooperation in agri-food smart specialisation

Smart Specialisation and the Agri-food System
A European Perspective

Kateřina Ciampi Stančová
Alessio Cavicchi

METHODOLOGICAL MANUAL

PARTNERING FOR JOINT INVESTMENTS
PHASES: LEARN AND CONNECT

AGRI-FOOD   ENERGY   INDUSTRIAL MODERNISATION

Vision

Interregional collaboration support after 2020

Interregional Innovation Investments : commercialisation and scaling up of interregional innovation projects having the potential to encourage the development of European value chains (component 5) (ETC Art 3.5)

- Strand 1 - Financial and advisory support for investments in interregional innovation projects
- Strand 2 - Financial and advisory support to the development of value chains in less developed regions

+ learning activities, evaluation and capitalisation

For the World of the future we need …

- Leadership, institutional capacities and innovative ideas

- R&I intelligence at local levels

- Knowledge, skills, competencies

- Alignment among strategies (objectives), funds (instruments) and stakeholders (critical mass, demand driven, impact)

- Transnational collaboration and Partnerships

Thank you!

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