

Smart sensor systems 4 agri-food

Working Committee Semi-annual Meeting

11th June 2018, Seinajoki, Finland



Overall objective

Prepare <u>all</u> the agri-food companies to make the <u>leap towards industry 4.0</u>:



- Introduce new technologies and inspire and enable the companies to use these
- Connect to the cloud
- Use the available data in the agri-food system

...and in the end ...

Become a more <u>interconnected</u>, <u>resilient</u> and <u>smart</u> agri-food system in Europe



Specific objectives

- Set-up a network of interlinked open access living labs to facilitate the implementation of smart sensor systems in the agri-food industry:
 - Staffed with competent, multidisciplinary teams
 - Facilitate awareness creation, give demonstrations, trainings and workshops
- Establish <u>support services for business creation and technology intelligence</u>
- Develop <u>generic business models</u> that can facilitate concrete, interregional investments and investment projects











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FOOD PILOT













Hochschule Ostwestfalen-Lippe University of Applied Sciences





food and drink innovation

























- Meeting with the partnership (21/02/'18) –
 Objectives:
 - Getting to know each other better
 - Presentation draft scoping note + discussion
 - COSME and Innosup-project
- Workshop in the framework of the EU Industry Days (22/02/'18):
 - "Upgrading EU Agri-food Industry to the Digital Age: Smart Sensor Systems 4 the Agri-Food Industry"



- Workshop EU Industry Days brainstorm:
 - Group 1: Valorisation and implementation strategy
 - Group 2: EU funding programs: opportunities and needs
 - Group 3: Regional strategies and role of living labs
 - Group 4: Good practices and bottlenecks: case studies
 - → Input used in the scoping note
- Scoping note finalized:
 - Scoping note = first step: overview of regional strategies, regional expertise and know-how and regional priorities for co-operation

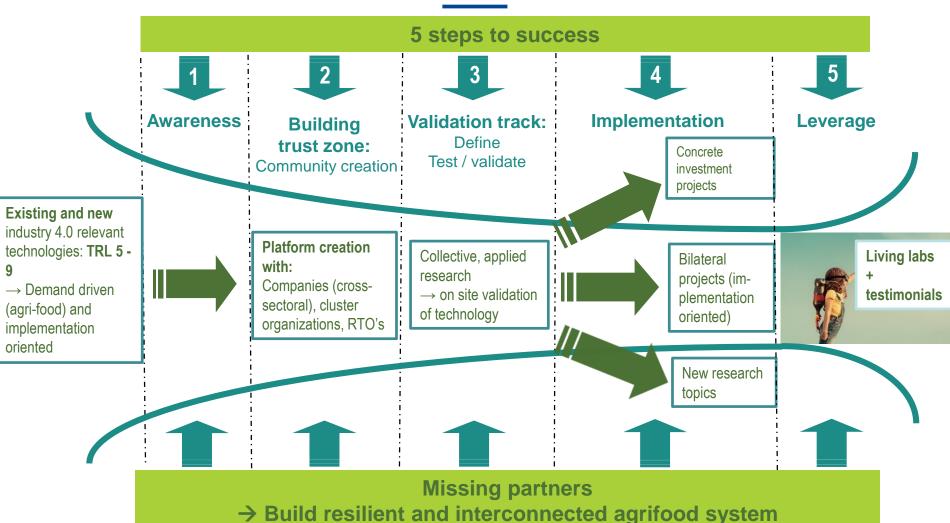


- Project proposals submitted:
 - COSME European strategic cluster partnerships for smart specialisation investments - COS-CLUSTPARTNS-2017-3-02 - Submitted: 8/03/'18:
 - <u>Connsensys</u>: **Conn**ecting smart **sen**sor **sys**tems for the food industry
 - 1. Strategy and roadmap development
 - 2. Establishing an <u>interregional platform of living labs</u> + organise study visits and matchmaking events
 - 3. Set-up <u>inter-regional demo cases and elaborate generic</u> business models
 - 4. Awareness creation towards agri-food industry + <u>building</u> <u>strong community</u>



- Project proposals submitted:
 - INNOSUP-01-2018-2020: Cluster facilitated projects for new industrial value chains – first stage submitted: 12/04/'18:
 - <u>S3Food</u>: Smart sensor systems for food safety, quality control and resource efficiency in the food processing industry
 - Building further on COSME project
 - Establishing support mechanisms for SMEs → facilitate access to network of regional agri-food smart sensor living labs







Planning in terms of demo cases and potential business cases

- Slow process: creation of trust zone → crossorganizations + cross-chain + cross-sector
- Involve all the relevant stakeholders: from 'problem owner' over 'technology supplier' to 'system integrator' and 'machine builder'

Achieved this on regional level (regional projects/funding)

→ investment projects, etc.

Interregional: still to be set-up

Steps to be taken defined in COSME + Innosup (Go/no go)



Challenges

Solved:

- Noses in the same direction goals are clear solid common ground
- Via discussions and meetings in the framework of COSME and Innosup project
- Existing bottlenecks and/or challenges:
 - Big upfront time and resources investment → especially for the lead region
 - Sometimes difficult to motivate the regions / organizations to actively participate
 - Should establish and agree on governance structure
 - <u>Funding</u> is crucial for continuity of the partnership



Future plans

- Detailed <u>mapping</u> with focus on:
 - Business needs and challenges
 - Existing technology providers (academia, companies)
 - Business advisory services and funding mechanisms
- Start discussion about governance structure
- Fall 2018: start developing business model and financial plan to provide a robust <u>framework for</u> <u>future joint activities</u>
 - ⇒ Foresee meeting
- Strategy building and roadmap development
- Defining and establishing network of living labs