

Stakeholder input from agROBOfood and WUR

June 21st , 2021 Workshop on “RTEF for Agri-food in DEP”

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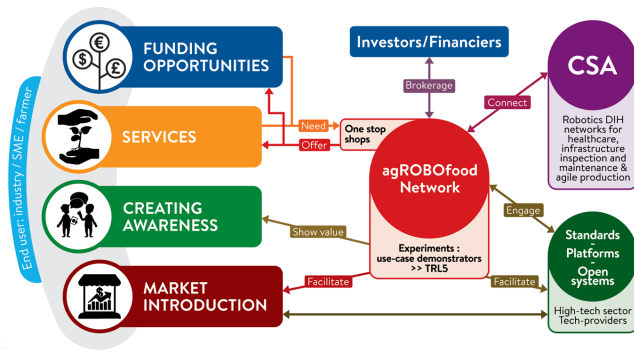
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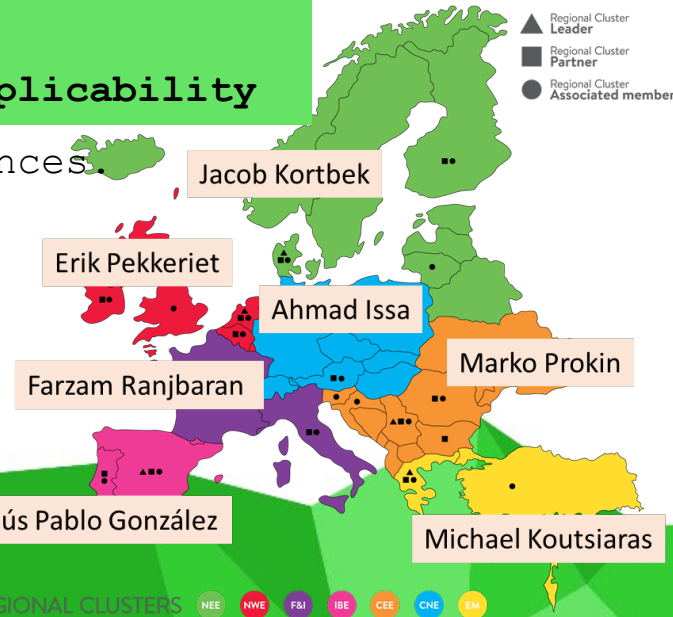
Establish and expand a pan-European network of Digital Innovation Hubs

will stimulate development and implementation of **robotic concepts** for the **agri-food sector**;

will demonstrate their **applicability**

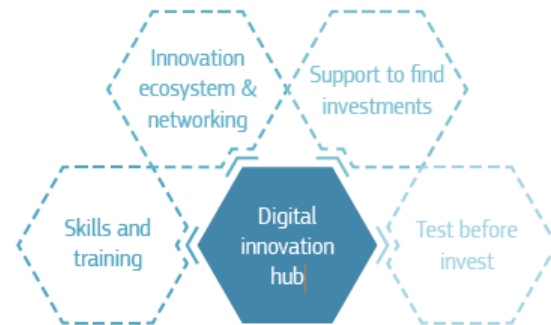
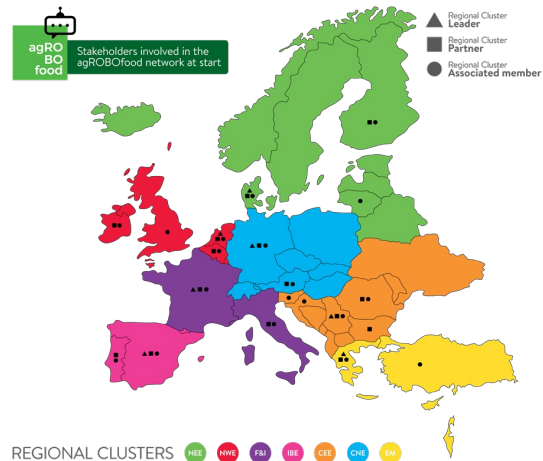


under pr instances.



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Pan-European network of agROBOfood DIHs



Pan-European network of agROBOfood DIHs

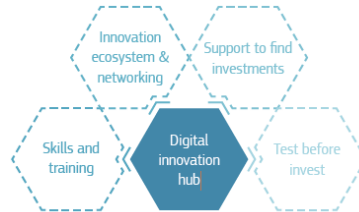


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Skills Services (DIH-DIH)	Activities
Joint skills development	Mentoring programme, EU-skills strategy development, EU-skills summer school

Ecosystem Services (DIH-DIH)	Activities
EU market place	EU website providing information to European expertise, translated to regional websites
EU awareness creation	EU events, repository good practices, common communication materials, ambassadors
EU strategy development	EU tech foresight, initiation discussions on common topics, aligned regional strategies
Representation on EU level	International business visits, informative visits to governments/industry/research
EU widening and sharing expertise	Mapping of activities, mentored DIH initiation, peer visits, background guides/manuals

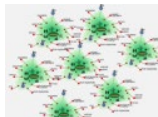
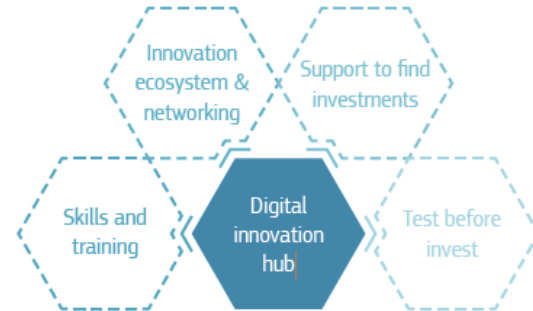
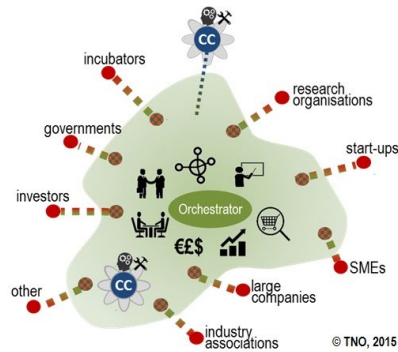
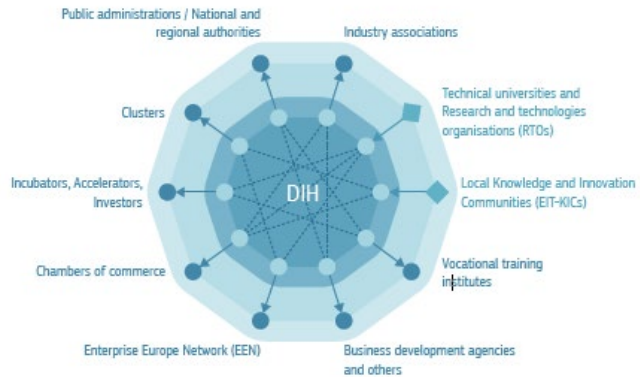


Technology Services (DIH-DIH)	Activities
Creating common approaches	Standard templates/approaches on activities (testing , assessment, etc)
Pan-EU collaborative research	Initiation of joined RDI projects, programmes: facilitating exchange of researchers
Standardization	NDR/IPR approaches, tech standards, services standardisation
Smart(er) specialization	(Initiation) discussion on aligning regional investments and strategies

Business Services (DIH-DIH)	Activities
Pan-EU value chain creation	Support finding and activation of horizontal/vertical value chain partners for RDI projects
EU industry market assessment	Macro/meso level market assessment of specific innovations, including benchmarking
Pan-EU innovation fund	Development/coordination fund for trans-regional collaboration (loans & venture capital)
Organizing trans-regional collaboration	Pan-EU project development, creating import/export opportunities implementation



DIHs as local ONE STOP SHOP

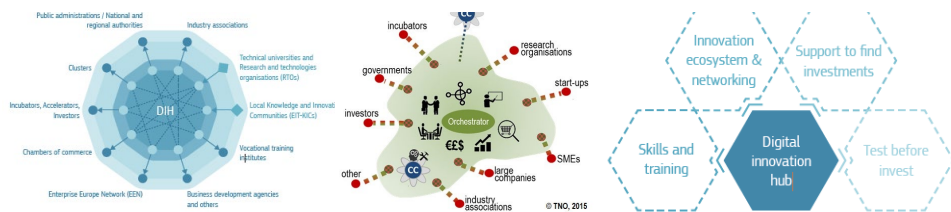


DIHs as local ONE STOP SHOP

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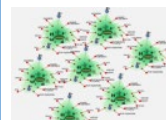
Skills Services (DIH-SME)	Activities
Skills training, education Services	Specialised courses on ecosystem/technology/business, strategy development on topic education

Ecosystem Services (DIH-SME)	Activities
Community building	Scouting, brokerage, awareness creation, dissemination, ecosystem building
Strategy development	Market intelligence, market assessment, <u>roadmapping</u> , technology watch
Ecosystem learning	Workshops, seminars to share knowledge and experience
Representation, promotion	Representing interests during meetings & conferences, organizing (country Visits, roadshows)



Technology Services (DIH-SME)	Activities
Strategic RDI	Joint, precompetitive R&D, secondment from companies
Contract research	Specific R&D, technology concept development, proof of concept
Technical support on scale-up	Concept validation, prototyping, small series production
Provision of tech infrastructure	Renting equipment, low rate production, platform technology infrastructure, Lab facilities
Testing and validation	Certification, product demonstration, product qualification

Business Services (DIH-SME)	Activities
Incubator/accelerator support	VoiceOfCustomer, market assessment, business development, legal, IPR, location, sales strategy
Access to finance	Financial engineering, connecting to funding sources, investment plans
Project development	Identification of opportunities, creating consortia, development of proposals
Offering housing	Office space and space for experimentation and pilot manufacturing



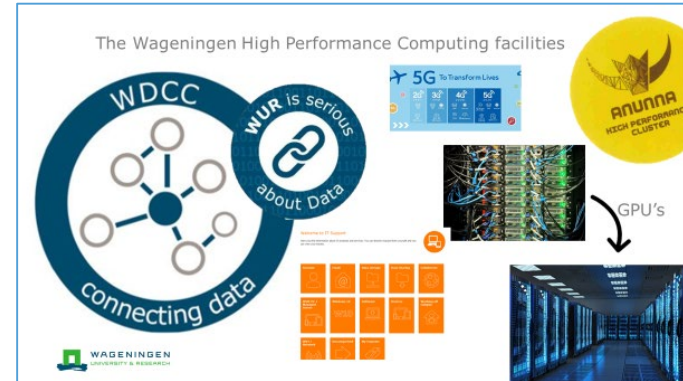
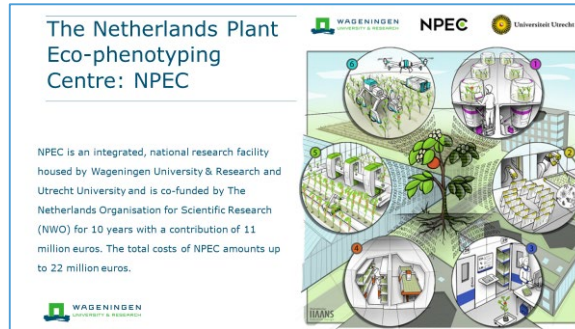
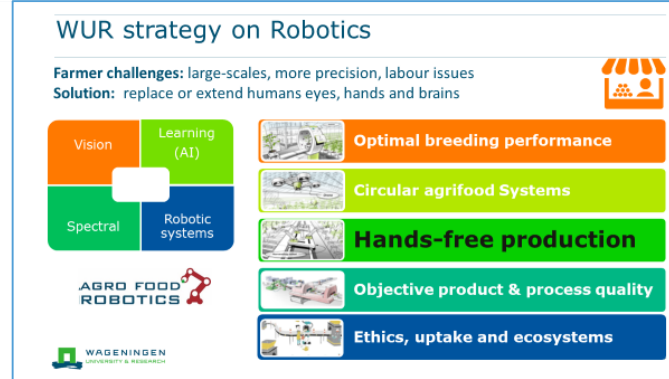
Question for workshop

- Based on your TEF-relevant experience, what are the most impactful actions the Agri-Food TEFs should deliver to innovators and how should the TEFs do so?
 - Professionalise one-stop-shop DIHs on their testing and experimenting services. Let them think of specialization, cooperation and business model.
 - Advantage is that these DIH's can offer the whole package for innovators.
 - WUR can be seen as a DIH, like many others

Question

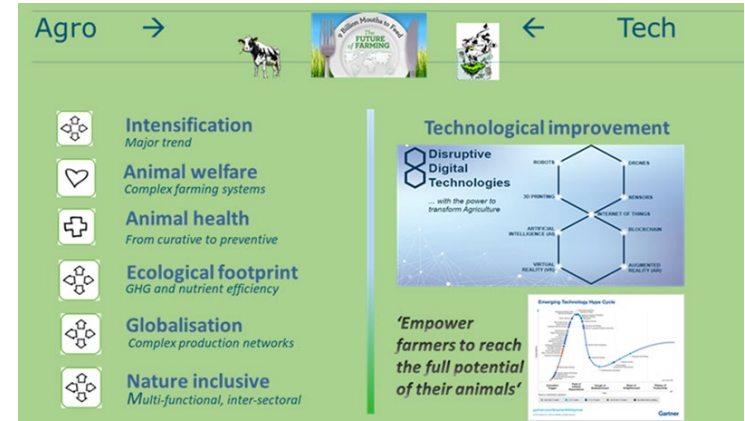
- What main challenge do you envision for the Agri-Food TEFs and how should it be tackled?
- Example WUR

Wageningen University and Research (as DIH)



The agricultural domain challenges

- Variety of sectors and needed testing infrastructure
- Variety of technologies (robotics, digital info, sensors, AI, digital twins ...)
- Large pan-European and regional differences
- Being able to test and experiment on different system levels (from simulated digital twin environment, labs, living labs) (from cell, organ, plant/animal, field/herd, farm, production chain)



→ Invest in basic infrastructure
→ Invest in training and education

Question

- What would success look like for the Agri-Food TEF in 7 years?
 - Success if pan-European agROBOfood network of DIHs is also coordinating and professionalizing the pan-European network of agfood-TEFs