



Alliance for  
Internet of Things  
Innovation

IoT Week • 5 June 2018

# Agri-food digital innovation hubs – AIOTI perspective

Luis Pérez-Freire

Gradiant – Executive Director

AIOTI – Chair of WG06 (smart farming and food security)

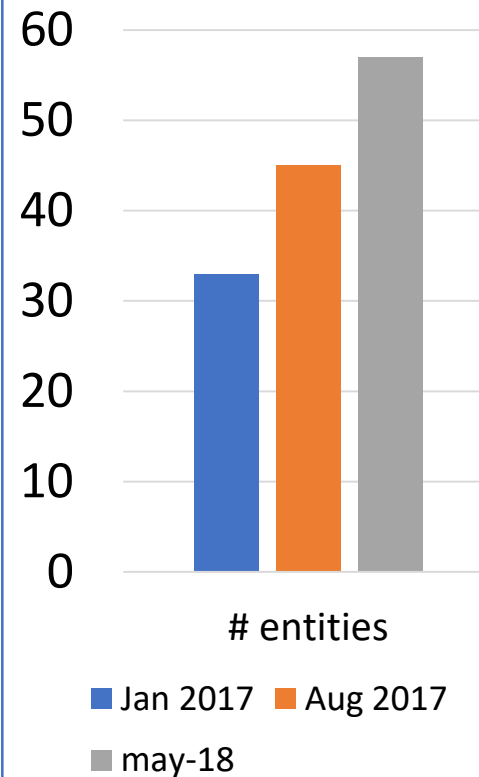
# AIOTI WGO6 at a glance

**Mission:** to become the **key meeting point** of EU-based stakeholders interested in the benefits of the **IoT** (tech, ecosystem, infrastructure) in the domains of farming for **food production** and **food safety, from farm to fork**, addressing the sectorial challenges

**Diversity of members:** ICT companies (large and small) consultancy services, research centers, and relevant members from demand side:

- Representatives of farmers and cooperatives, representatives of agriculture machinery, ...
- 2 of the largest ag-machine manufacturers (which are AIOTI founding members)
- ...

## Membership



## Scope:

- Farming domains: agriculture, livestock, aquaculture
- Technologies
- Policies
- Projects and pilots
- Farming & food ecosystems

Chair:



Co-chair:





# AIOTI WG06 position paper on agri-food DIHs

*"Agri-food DIHs must help the agrifood sector to **understand** the opportunities brought about by digital technologies to overcome the sectorial challenges, **facilitate the adoption** of those technologies and **make the best** from them in their practical application"*

Released in Nov 2017, "Digital Innovation Hubs for agriculture". Available for download at



[https://aioti.eu/wp-content/uploads/2017/11/AIOTI\\_WG06\\_ADIHS\\_final.pdf](https://aioti.eu/wp-content/uploads/2017/11/AIOTI_WG06_ADIHS_final.pdf)





# The BIG question

## How to make agri-food DIHs sustainable?



# Recommendations

The paper proposes recommendations across several dimensions:

1. Technology
2. Brokerage and innovation
3. Access to funding
4. Entrepreneurship
5. Training
6. Inter-DIH cooperation
7. Sustainability



Specialise and focus (do not do “everything everywhere”)



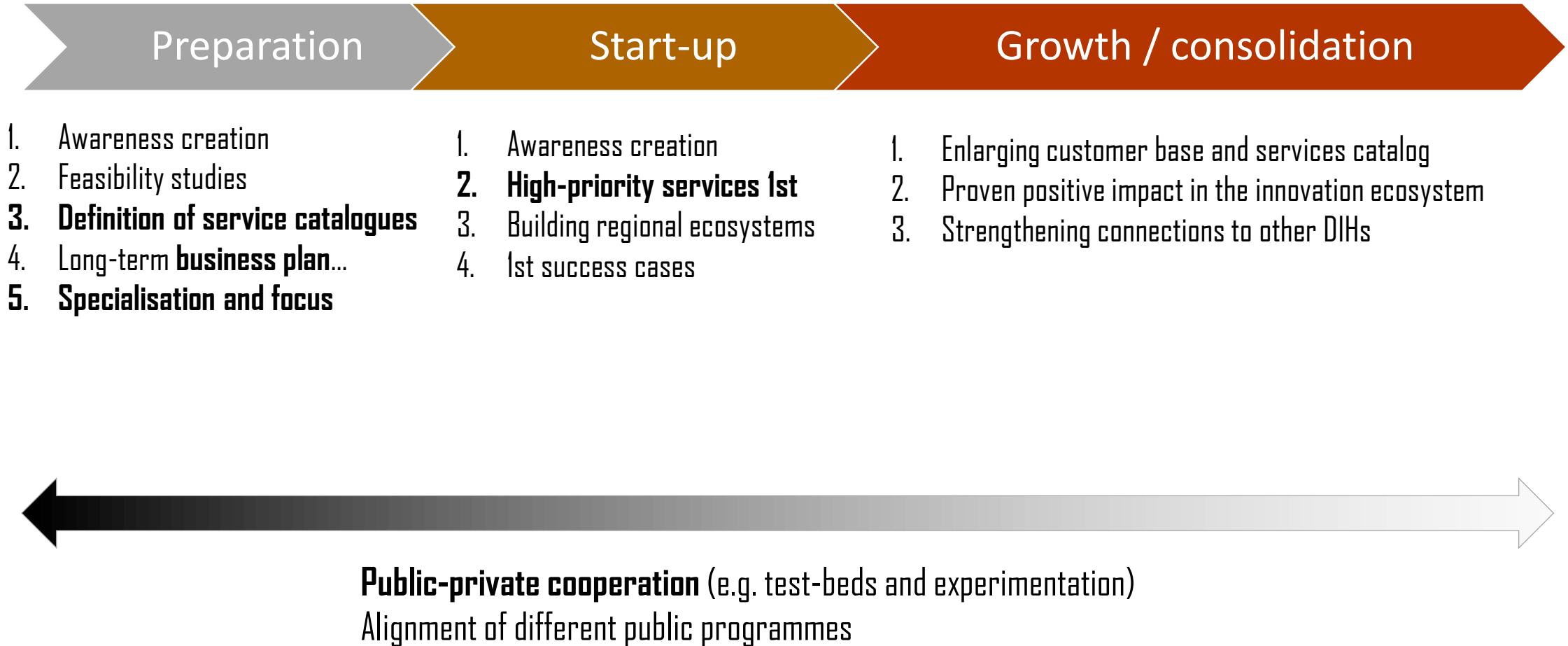
Involve key actors from the beginning:

- innovation brokers
- cooperatives / farmers associations
- RTOs



Gradual rollout

# Towards sustainable agri-food DIHs

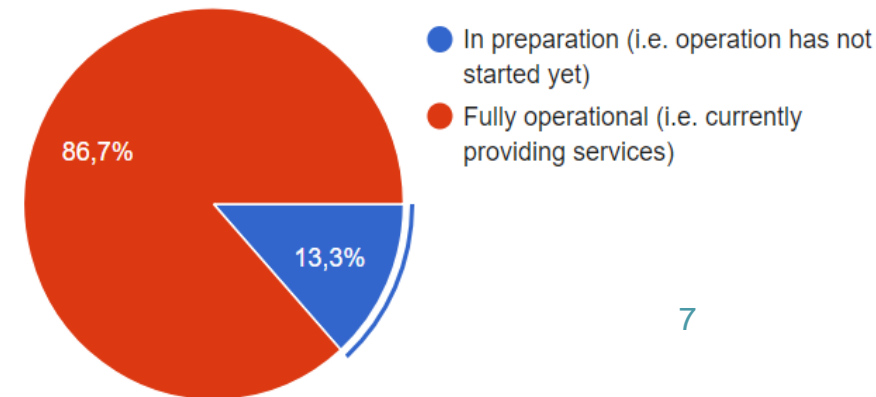
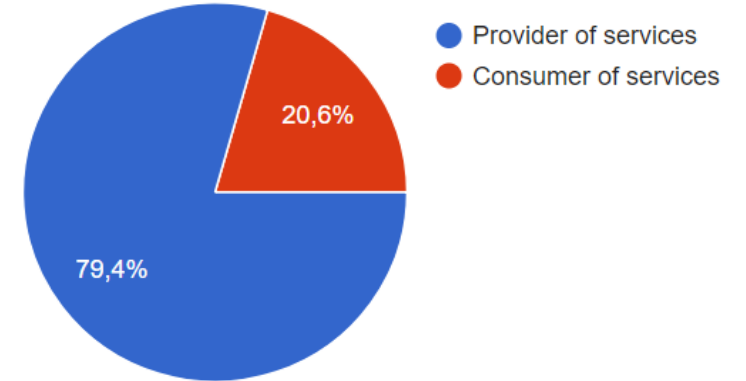
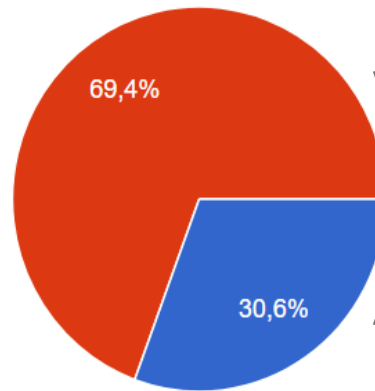


# AIOTI WGO6 survey on business models

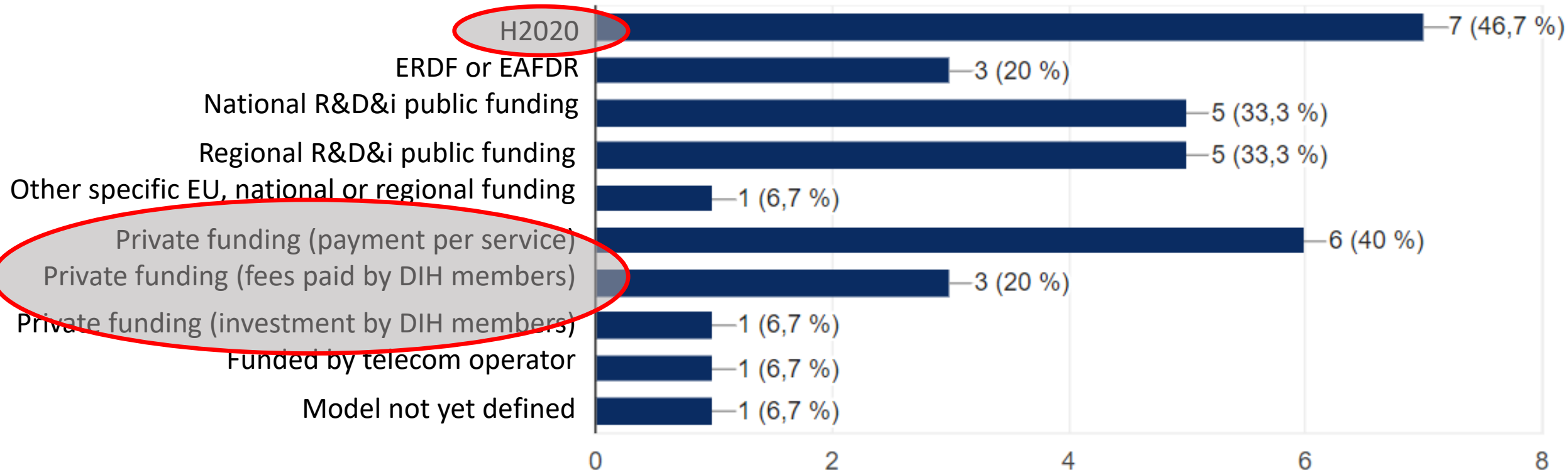
~**50** respondents so far (open until mid June)

[https://docs.google.com/forms/d/e/1FAIpQLSd\\_jgM2n2wWMcACRYglhnNoxI2UgIJP3G1sSKf-hLmexdulcA/viewform](https://docs.google.com/forms/d/e/1FAIpQLSd_jgM2n2wWMcACRYglhnNoxI2UgIJP3G1sSKf-hLmexdulcA/viewform)

- Promoter or manager of a Digital Innovation Hub in the field of smart farming and/or food technologies
- An entity/individual currently participating or interested in participating in an agri-food Digital Innovation Hub



# Funding sources of current agri-food DIHs





# Catalog of services

## WHAT DO DIGITAL INNOVATION HUBS DO?

	Service	Activities
<b>Ecosystem</b>	Community building	Scouting, brokerage, awareness creation, dissemination, ecosystem building
	Strategy development	Market intelligence, market assessments, roadmapping
	Ecosystem learning	Workshops, seminars to share knowledge and experience
	Lobbying	Representing interests during meetings & conferences, organizing (country) visits
<b>Technology</b>	Strategic RDI	Joint, pre-competitive R&D, co-funded research (programmatic)
	Contract research	Specific R&D, technology concept development, proof of concept, public procurement RDI
	Technical support on scale-up	Concept validation, prototyping, small series production
	Provision of technology infrastructure	Renting equipment, low rate commercial production, offering platform technology infrastructure
	Testing and validation	Certification, product demonstration, product qualification
<b>Business</b>	Incubator/accelerator support	Voice of customer, market assessment, business development, consortia building, offering location
	Access to finance	Financial engineering, connection to funding sources, investment plans
	Skills and education	Courses, workshops, offering technological infrastructure for educational purposes
	Project development	Identification of opportunities, creating consortia, development of proposals

# Some early findings

