



THIS PROJECT HAS RECEIVED FUNDING FROM
THE EUROPEAN UNION'S HORIZON 2020 RESEARCH
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AGREEMENT N. 696294

#DYNAMICAGRI #SMARTFARMING



THE FUTURE OF AGRICULTURE IN EUROPE: SMART FARMING LEADS THE WAY

SMART-AKIS
CONFERENCE

Smart-AKIS
Recommendations:
From the field to policy

Spyros Fountas (AUA)



smartAKIS
Smart Farming Thematic Network

Methodology

Recommendations & policy briefs for closing the research and innovation divide in SFT in Europe

Trends in SFT research

Factors affecting SFT adoption & innovation cases

Most popular SFT & applications

Policy gaps for SFT adoption

Actions to overcome the barriers

Validation of barriers, incentives and needs

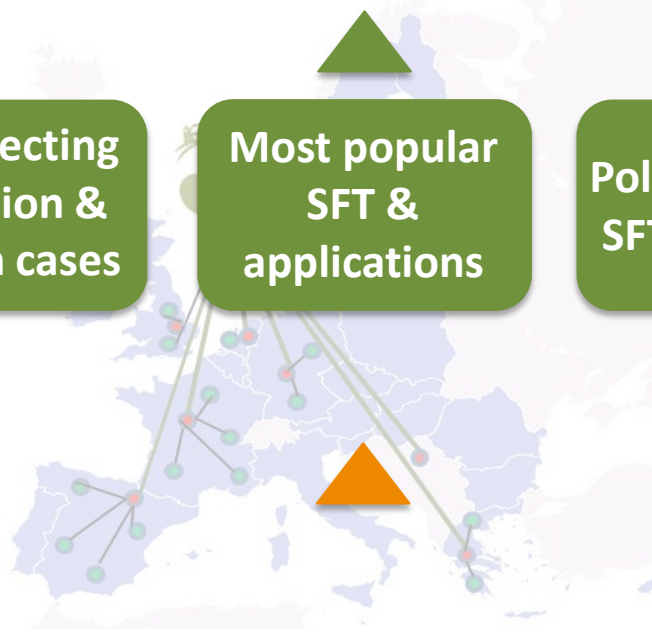
European level

Grassroots level

Most popular SFT & applications

Policy gaps for SFT adoption

Barriers, incentives and needs



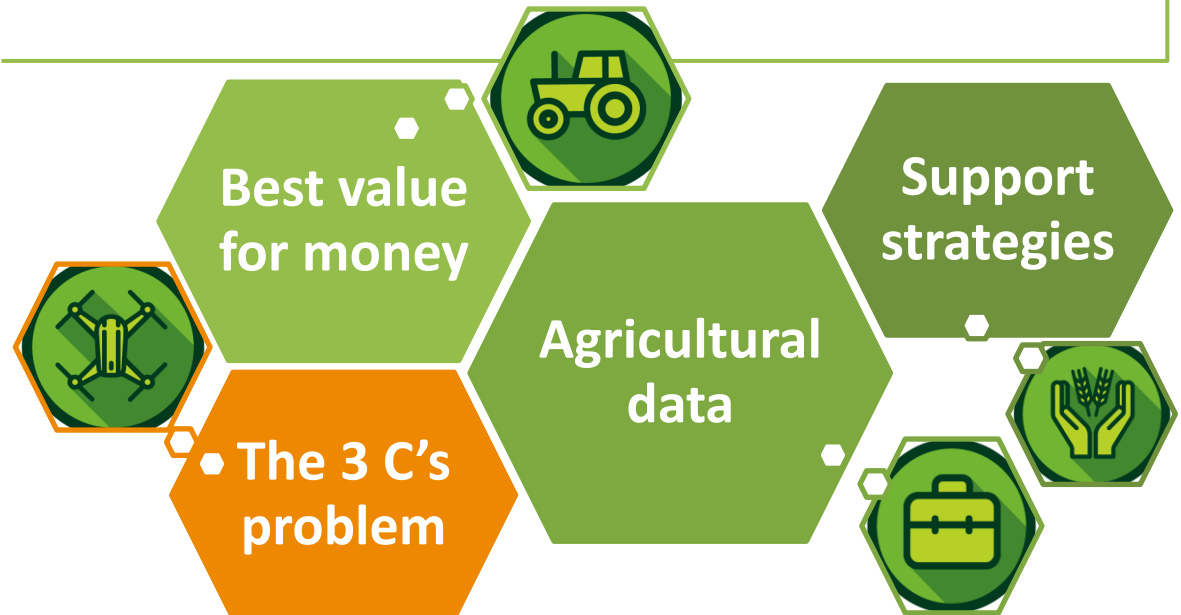
Recommendations for closing the research and innovation divide in SFT in Europe

Enhancing innovation-driven agricultural research within the EIP-AGRI ecosystem

Future research in Smart Farming

Mainstreaming Smart Farming

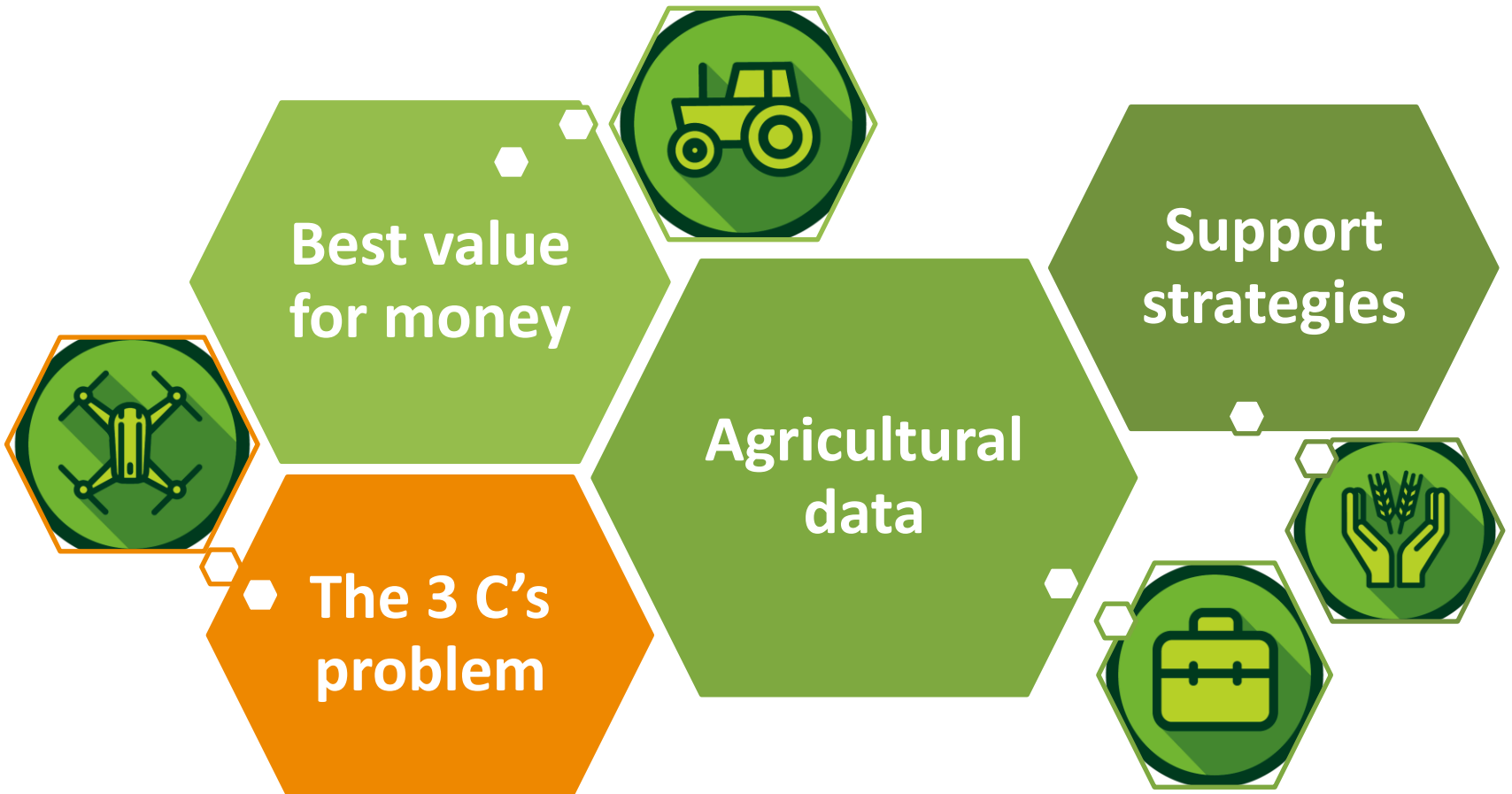
“Smart Farming Technologies are another tool, not an end in themselves”



Enhancing innovation-driven agricultural research within the EIP-AGRI ecosystem

1. Increase **farmers' participation**: fund proposals' preparation, demos, visits, etc.
2. **Coordinate** TNs and MAA projects: joint workshops, integrated platforms, translation.
3. **Reinforce** the intermediary role of advisory services and other facilitators
4. Create **small networks** of end-users. Empower NRN and TNs outreach to OGs
5. Increase the RDPs budget for **creation of OGs**, including **cross-border OGs**
6. Facilitate synergies between EIP-AGRI (**H2020, EARDF**), **INTERREG** for territorial cooperation and **Erasmus+** for education and training. **Challenge-based approach.**
7. **Simplify access** to R&D and innovation funding and reporting
8. Close the gap between **agricultural research and rural development**: Smart Villages Act

Mainstreaming Smart Farming




Mainstreaming Smart Farming



Best value for money



Create an independent organization for neutral benchmarking of SFTs including cost/benefit analysis.



Disseminate and demonstrate successful business cases at the farm level, peer-to-peer exchanges, training and demonstration of SFT. I.e. Digifermes (FR)



Innovate on business models and on price schemes: “SFT-as-a-service” as a fitting model for end-users



Conduct independent and neutral research and **demos** with a wide variety of farmers, soils and crops: “ground truth evaluation”

Mainstreaming Smart Farming

The 3 C's problem



Increase **public investments** for ensuring broadband connectivity

Adopt **User Experience** tools and promote **Plug & Play**



Increase the **accuracy and reliability** of data and **ease its translation** into intelligence

Promote interoperability standards and **increase the visibility** and outreach of standardisation initiatives



Increase **research on wireless technologies** (LoRa/LoRAWAN, etc.)

Mainstreaming Smart Farming



Agricultural data

Promote Agricultural Open Data policies and support the development of public-private agricultural data platforms, i.e. API-AGRO

Boost dissemination of the newly agreed EU **Code of Conduct**

Increase the transparency in the contractual agreements between farmers and industry providers

Improve the quality of data and foster automatic transfer of data

Increase research in the field of data accuracy, reliance and usability.

Embrace the Open Data Research principles

Empower farmers in the data economy: awareness raising, dissemination and training on the EU Code of Conduct.

Focus on the **valorisation of data** sharing models

Mainstreaming Smart Farming



Support strategies



Mainstream into TNs and MAAs an **Education & Training strand**



Advisors as facilitators: trustworthy and independent bodies for connecting users with experts

Advisors as specialists: by crop or by areas of expertise



Increase participation of start-ups, applied research institutes and industry in OGs, demo farms...



Formulate applied research results in easily to understand language for facilitating take-up

Acknowledgements

- ✓ 940 members in the Workshops
 - 332 farmers
 - 257 industry
 - 153 research
 - 105 advisors
 - 93 policy makers
- ✓ 271 farmers in interviews
- ✓ 3,500 on social media
- ✓ 3,000 monthly accessing the platform



- Smart-AKIS 2.0 resubmission in 2019: Focus on Agricultural Data derived by SFTs – 45% new partners / 5 new countries

Further information

www.smart-akis.com



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