D1.6 REPORT CLOSING EVENT

WP 1

31 January 2023

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement № 818182

DOCUMENT IDENTIFICATION

Project	SmartAgriHubs
Project Full Title	Connecting the dots to unleash the innovation potential for digital transformation of the European agri-food sector
Project Number	818182
Starting Date	November 1st, 2018
Duration	4 years
H2020 Call ID & Topic	DT-RUR-12-2018: ICT Innovation for agriculture – Digital Innovation Hubs for Agriculture
Website	https://smartagrihubs.eu/
File Name	D1.6 Report Closing Event
Date	31 January 2023
Version	V1.0
Status	Final
Dissemination level	Public
Author	Editors: Hennie van der Veen, Gerard Leenaars, Lorena van der Kolk, George Beers, with contributions of many others.
Contact details of the coordinator	George Beers george.beers@wur.nl

LIST OF FIGURES

No table of figures.

LIST OF TABLES

No table of figures.

ABBREVIATIONS

FIE – Flagship Innovation Experiment

IoF2020 – Internet of Food and Farm 2020

SAH – SmartAgriHubs

WP – Work Package

TABLE OF CONTENTS

PROJECT SUMMARY

Digital technologies enable a transformation into data-driven, intelligent, agile and autonomous farm operations, and are generally considered as a key to address the grand challenges for agriculture. Recent initiatives showed the eagerness of the sector to seize the opportunities offered by ICT and in particular data-oriented technologies. However, current available applications are still fragmented and mainly used by a small group of early adopters. Against this background, SmartAgriHubs (SAH) has the potential to be a real game changer in the adoption of digital solutions by the farming sector.

SAH will leverage, strengthen and connect local DIHs and numerous Competence Centres (CCs) throughout Europe. The project already put together a large initial network of 140 DIHs by building on its existing projects and ecosystems such as Internet of Food and Farm (IoF2020). All DIHs are aligned with 9 regional clusters, which are led by organizations that are closely related to national or regional digitization initiatives and funds. DIHs will be empowered and supported in their development, to be able to carry out high-performance Innovation Experiments (IEs). SAH already identified 28 Flagship Innovation Experiments (FIEs), which are examples of outstanding, innovative and successful IEs, where ideas, concepts and prototypes are further developed and introduced into the market.

SAH uses a multi-actor approach based on a vast network of start-ups, SMEs, business and service providers, technology experts and end-users. End-users from the agri-food sector are at the heart of the project and the driving force of the digital transformation.

Led by the Wageningen University and Research (WUR), SAH consists of a pan-European consortium of over 160 Partners representing all EU Member States. SAH is part of Horizon2020 and is supported by the European Commission with a budget of €20 million.

EXECUTIVE SUMMARY

Although the main objective of the event was to expand and strengthen the ecosystem working on digitalization in AgriFood, the event also marked the end of the H2020 project SmartAgriHubs. The objective of the first day (the SmartAgriHubs day) was to share the results of the project and discuss how the network could be continued and operated after the lifetime of the project. For the 2 other days, other EU projects on Digitalization in Agri were invited to join us. This offered the opportunity for the participants to meet and exchange experiences, ideas, results and knowledge. This deliverable describes the approach in organizing the SmartAgriHubs final event, the outline, main results and conclusions. The main tangible results presented include videos, presentations, pictures and many more and therefore give a good impression of the impact of the event and the synergy that has been generated. However, the most important result of the event is in the informal network dimension; getting to know people working in the same field, exchanging experiences and business cards and building relations for future cooperation.

Discussion and interaction focused on the future after the project lifetime. Discussions on this revealed a strong desire to keep the network alive, sharing knowledge and experience and knowing who is working on what, is important for professionals working on a common challenge. All present demonstrated commitment to continue participation and contribution to keep the network alive, without ignoring the challenge to work without resource provided by the project. In the closing plenary it was promised by the project coordinators to organize the Synergy Days 2023.

1. INTRODUCTION

Although the main objective of the event was to expand and strengthen the ecosystem working in digitalization in AgriFood, the event also marked the end of the H2020 project SmartAgriHubs. This deliverable describes the approach in organizing the SmartAgriHubs final event, the outline, main results and conclusions. The main tangible results include videos, presentations, pictures and many more and therefore gives a good impression of the impact of the event and the synergy that has been generated.

2. APPROACH & METHODOLOGY

2.1 OBJECTIVES

The event had the overall objective of expanding and strengthening the ecosystem working on digitalization in AgriFood; to connect more dots! The SmartAgriHubs final event was therefore not only the closing event of the SmartAgriHubs project, but also included 2 synergy days. There was a marketplace with SmartAgriHubs Flagship Innovation Experiments and over 20 other projects on digitalization in Agri-food
The objective of the first day (the SmartAgriHubs day) was to share the results of the project and discuss how the network could be continued and operated after the lifetime of the project. For the 2 other days, other EU projects on Digitalization in Agri were invited to join us. This offered the opportunity for the participants to meet and exchange experiences, ideas, results and knowledge. Bringing together the people that are working on digital innovation in Agri-food will be an important step in further developing and sustaining the ecosystem. The synergy between projects happened on different levels like sharing experiences, results and knowledge. Such an event is in the heart of the SmartAgriHubs mission and ambition 'to connect the dots'. By bringing the professionals together in an informal setting we set the basis for more synergy in current and future projects.

2.2 OUTLINE OF THE EVENT

To achieve the objectives, a number of building blocks for the event were identified:

From SmartAgriHubs perspective a very important objective of the synergy days was to demonstrate the SAH network and tools to the other projects and to make clear how it can be used by them for upscaling and dissemination of the project's results; to use the network to bring their results from EU level to the local communities all over Europe.

For the SmartAgriHubs project the target was to have a large number of DIHs participating in the event. There were several sessions for DIH capacity building by relating the session to DIH services. By exposing the other projects to the DIHs, the DIHs learned who are that active organizations (and persons!) working on digitalization in AgriFood, which most probably is the most important DIH capacity to build.

The participating DIHs had a great opportunity to shop around the various projects and cases to be inspired by digital innovations that might be relevant for their local farmers community. In this way, via DIHs, the event reached out to farmers.

For the professionals working in the field of digitalization in Agri-food, the event was an opportunity to learn and know about the work of the colleagues. Peer exchange combined with some workshops in the program triggered and stimulated re-usability and replication between cases and helped to reduce 're-inventing the wheel'. Cases were stimulated and facilitated to build upon the work of each other instead of doing the same (and making the same mistakes).

At project level the event was used to identify topics where projects can cooperate and support each other; this will enhance the output and impact of the individual projects.

For stakeholders 'around' the projects the joined event was a great opportunity to get acquainted with the work and results of a series of projects in just 2 days. There were sessions on policy recommendations where policy makers interacted on the experiences and findings of the projects and cases.

Last but not least, the Synergy days also had a clear objective in sustaining the SAH eco-system, for that we worked on creating commitment among the participants to expand and continue cooperation beyond the projects (see also D6.3). The intention is to have a strong and sustainable network fostering and stimulating the use of digital technology for sustainable agriculture and food production.

The first day of the event was dedicated to the SmartAgriHubs partners, in which we shared the results of the project and had sessions on how the network will continue and operate after the project lifetime.

The second and third day were focused on the 'Synergy days' organised together with other EU projects that work on digitalization in Agri-food. Starting with 10 synergy projects, we ended with over 20 projects. Most of them also organized sessions on their specific perspective (see Annex 1). A very important element of the Synergy days is that we had a marketplace (see Annex 2), an exhibition where we brought together all cases from the different projects. Each of these cases had a booth to present their results, but most important was that they were together in one 'space', which worked great in terms of peer meeting between cases and sharing detailed experiences and knowledge on concrete applications. In the last two years we received a lot of requests to organize such a 'Prague experience' again. Some projects used the event to organize their own partner event, in a back-to-back option on the 4th day of the event. Data4Food2030 organized their kick-off event on the 4th day.

During the synergy days, a field trip was organized to the publicly owned farm Companhia das Lezirias (outside Lisbon) to get to know the work of one of the Portuguese FIEs and the place they used to deploy their products and demonstrations. DIHs and CCs part of this FIE were present at the farm guiding the tours for the different groups and answering questions on their role in the work done in the FIE.

A detailed agenda of the event can be found online.

3. OUTCOME

3.1 INTRODUCTION

This chapter shows the main tangible results of the SAH final event and they are presented along the agenda of the event. The first day (3.2) was dedicated to the SAH community, the second and third day (3.3 and 3.4) focused on synergy with other EU agri-tech projects.

The programme of the SmartAgrihubs Final Event can be consulted online.

3.2 SMARTAGRIHUBS DAY (26 SEPTEMBER)

The first day of the SmartAgriHubs Final Event was reserved for its members. The community gathered to discuss the challenges, achievements and legacy of this H2020 project.

FIRST PLENARY SESSION

In this plenary, we reviewed the milestones of the 4 years of the SmartAgriHubs project and discussed how the SmartAgriHubs community offered new solutions to mitigate the effects of the COVID-19 pandemic and support sustainable food systems and innovation.

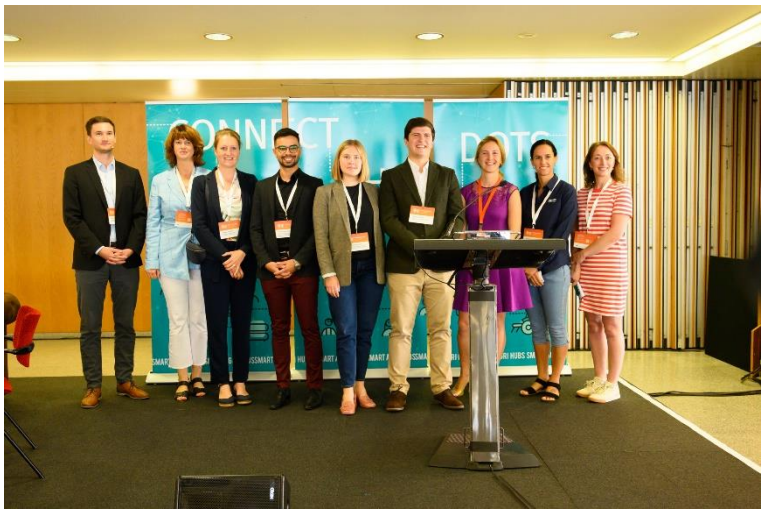
"Digitalisation in agriculture – Relevance in and for agricultural policy" by Janusz Wojciechowski, EU Commissioner for Agriculture (virtual participation)

"Digitalisation agrifood - perspective in the Portuguese context" by Luis Mira Da Silva Partner at CONSULAI (no presentation used)

"From Kilkenny to Lisbon - the journey of SmartAgriHubs" by George Beers, SmartAgriHubs Project Coordinator

REGIONAL CLUSTERS PANEL

This session was dedicated to the 9 Regional Clusters of SmartAgriHubs. The presentation can be found here.



DIGITAL INNOVATION HUBS & THE DIGITALISATION OF EUROPEAN AGRICULTURE

How can Digital Innovation Hubs lead the transformation of the agricultural and agritech sectors?

"Agricultural DIHs in the EDIH network" by Helena Rodrigues, Project Officer, DG CNET, European Commission

"Role of Social innovation, business models and DIHs to achieve Farm-to-fork ambitions" by Doris Marquardt, Programme Officer, DG AGRI, European Commission

DIGITAL INNOVATION HUBS PANEL

This session presented a selection of 4 active Digital Innovation Hubs (DIHs) in an interactive format.

- https://agri-epicentre.com/
- https://www.dih-innovate.at/
- https://odyc.jimdosite.com/contact/
- https://www.neoruralehub.com/

Representatives from different regions of Europe shared their experience as a DIH and as members of the SmartAgriHubs community.

THE SMARTAGRIHUBS KEY OBJECTIVES

On Monday afternoon, the WP Leaders presented some key objectives of their work within the projects. The attendees– members of SmartAgrihubs – attended three presentations of 20 minutes. The key objectives were grouped per theme to facilitate the understanding of SmartAgriHubs' impact:

The first presentation concerned the expansion of the SAH network:

- Key Objective WP1: Build a network of DIHs
- Key Objective WP3: Provide structural and financial support

The second presentation was about the support SmartAgrihubs provided to the Innovation Experiments:

- Key Objective WP2: Support Innovation Experiments

The third presentation focused on the capacity building training provided by SmartAgriHubs to the Digital Innovation Hubs and the Competence Centers:

- Key Objective WP4: Sustainability of the network
- Key Objective WP5: Enable and promote the expansion of CC

PLENARY SESSION - CLOSING

In the closing session, we discussed the sustainability of SmartAgriHubs. The results can be consulted on the Innovation Portal.

3.3 FIRST SYNERGY DAY (27 SEPTEMBER)

On the second day of the SmartAgriHubs Final Event, the focus was on synergy with other European projects and prominent actors in the digitisation of agriculture. On the programme: keynote speeches, pitches by the EU projects and workshops on digital innovation in agriculture.

PLENARY SESSION - INTRODUCTION

"EU level perspective on digitalisation and innovation in agriculture – state of affairs and outlook" by Doris Marquardt, Programme Officer, DG AGRI, European Commission

"Horizon Europe candidate partnership Agriculture of Data" by Jürgen Vangeyte and Luis Santo Barreiros

"EIT Digital - added value for projects for the digitalisation of agrifood" by Willem Jonker, CEO EIT Digital

PITCHES FROM SYNERGY PROJECTS

In this session, European sister projects presented their achievements and lessons learnt. All the presentations can be found in the Library of the Innovation Portal.

PLENARY SESSION - AFTERNOON

"DIH Agri-food Lithuania – a DIH in full swing" by Kristina Sermuksnyte-Alesiuniene. DIH Agri-food Lithuania

"Role of EDIHs in digitalization agri-food" by Helena Rodrigues, Project Officer, DG CNET, European Commission

"Practical guidelines for using DIH infrastructure" by George Beers, SmartAgriHubs Project Coordinator

WORKSHOP - NEFERTITI FARM DEMONSTRATION

This demonstration took place at the School of Agriculture of the University of Lisbon on the use of innovative technology in irrigation management using probe and weather station and a thermography robot and on pesticide reduction: automatic traps (Aquagri) and a drone with pesticide application. This was followed by a discussion on the potential use of the technology in a real-life context and the scalability of what was demonstrated.


PLENARY SESSION - CLOSING

"Digitalization in organic agriculture – where we are and where we go" by Eduardo Cuoco, Director at IFOAM Organics Europe

"The digital farmer, a new generation?" by Diana Lenzi, President of CEJA (no presentation used)


3.4 SECOND SYNERGY DAY (28 SEPTEMBER)

On the third day of the SmartAgriHubs Final Event, participants could attend more workshops on digitisation of agriculture and there was networking time in the Marketplace. SmartAgriHubs also organised a farm trip to one of its FIEs. The day ended with a farewell cocktail in the Marketplace.

PLENARY SESSION - OPENING

"Impact digitalisation and farmer and sector" by Pekka Pesonen, Secretary General at Copa-Cogeca (virtual participation)

PLENARY SESSION - AFTERNOON

"Benefits digitalisation in Agrifood – promises and where we are" by Gohar Isakhanyan

"Policy recommendations by the projects" by Marianna Faraldi

FARM VISIT

Founded in 1836, when the Portuguese Crown sold properties near the capital city, Lisbon, Companhia das Lezírias (Lezírias Company) is today the largest agroforestry property in Portugal. The largest property belonging to Companhia das Lezíria is the Charneca do Infantado, with 11 thousand hectares where the diversity of agroforestry activities merge with the diversity of habitats where fauna and flora are reconciled with humans. Its extensive area of certified forest, dominated by cork oak forests where cattle and horse production is integrated, is interrupted by patches of maritime and stone pine forests, eucalyptus forests, and an agricultural area dominated by corn, vineyards, and olive groves. Based on sustainability, Companhia das Lezíria has invested in research and conservation, supporting the most diverse national, European, and global projects, seeking to integrate the knowledge generated into its management. The visit consisted of a guided cork tour and a visit to the vineyard and wine shop.

CLOSING PLENARY SESSION - THE AGRI-FOOD DIGITISING ECOSYSTEM IN 2023-2030

In this session the Project Coordinators of the synergy project endoursed the policy recommendations and the benefits of digitalization for the AgriFood sector. They also committed to organize a joint synergy event in 2023.

3.5 EVALUATION

For the SmartAgriHubs Final Event, 356 persons confirmed their participation on the Innovation portal. It resulted in the confirmed participation of the following people:

- 26 September: 183
- 27 September: 299
- 28 September: 273

The results of the Final Event surveys can be consulted online.

On social media, WP1 ran a communication campaign from May to October 2022 about the SmartAgriHubs Final Event. This campaign took place on the platform Facebook, LinkedIn and Twitter. WP1 published on average four posts per month and per platform, for a total of 82 publications dedicated to the Final Event. The frequency varied depending on the phase of the organisation: i.e., the opening of the registration, the publication of the agenda, and the kick-off of the event.

In total, WP1 cross-platform publications gathered 51,688 impressions with an average engagement rate of 7,7%. WP1 noticed a higher activity on the LinkedIn and Twitter pages of the project.

The pictures of the Final Event are accessible on the Flickr platform.

A thematic newsletter with the results of the conference highlighting experiences of the DIHs and learnings from the conference.

The Digital Innovation Hubs (DIHs) and Competence Centers (CCs) participating to the SmartAgriHubs Final Event are to be found in annex 3.

4. CONCLUSIONS

The SmartAgriHubs closing event focused on sharing the results of the projects which resulted in a common feeling of shared proud. Discussion and interaction were based on the future mainly the sustainability of SmartAgriHubs after the project's lifetime. The participants feedback revealed a strong desire to keep the network alive, sharing knowledge and experience and knowing who is working on what, creating synergies and connecting is important for professionals working on a common challenge. The benefits of participating in the SmartAgriHubs network is broadly perceived as beneficial for your own performance. All present partners demonstrated commitment to continue participation and contribution to keep the network alive, without ignoring the challenge to work without resource provided by the project.

The Synergy Days were organized around two core elements; the exhibition and the workshops. In the exhibition projects and cases were presenting themselves and during the days there was continuous rumour caused by passionate interaction between professionals with a shared ambition in the digitalization of the AgriFood sector. On top of that a program of 45 workshops organized by the 21 participating projects offered a broad variation of topics for discussion and personal interaction. A large number of 'dots' were connected during this two days event and there was a clear demand by most of the participants for having these kind of meetings more often. In the closing plenary it was promised by the project coordinators to organize the Synergy Days 2023.

Results

The most important result of the event is in the informal network dimension; getting to know people working in the same field, exchanging experiences and business cards and building relations for future cooperation. It is obvious that after more than 2 years virtual meetings the need for a more informal setting is significant and a physical event will not only expand the network, but also strengthen it.

ANNEX 1 OVERVIEW WORKSHOPS

Organisers	***Workshop titles***
DEMETER	*Semantic interoperability and data sharing in agriculture*
ICAERUS	*Innovation and Capacity building in Agricultural Environmental and Rural Uav Services*
NEFERTITI	*Farm Demo YouTube Channel and Farm Demo Platform*
PLOUTOS	*Digital Agriculture Solutions in agriculture*
RC FRANCE	*The adoption of digital tools as agroecological transition levers*
SAH (Econ. Ben.)	*Economic benefits of digitalisation in agri-food*
SAH (Gender Force)	*Gender Taskforce presentation*
SAH (Pol. Rec.)	*Policy Recommendations Knowledge gaps in digital innovation agri-food*
TNO/WP4	*Learn to work with the collaborative business modelling approach - DIHs*
agROBOfood	*Robotics in agri-food*
Biosense/ILVO	*Sector-specific developments, Animal production and dairy sectors*
EU FarmBook	*EU-FarmBook project Community of Practice*
FIWARE	*How to access data Technical and operational challenges in real world scenarios*
IFOAM	*Digitalization aiding the organic sector An expert insight*
INRAE	*State of adoption and usage of digital innovations in agri-food system*
SAH (Env. Ben.)	*Environmental benefits of digitalisation*
SAH (Pol. Rec.)	*Policy Recommendations Emerging new topics*
WUR	*Reaching farmers all over Europe and the role of the DIHs*
ATLAS	*Achieving impact and sustainable solutions after the funding period*
Biosense/ILVO	*Sector-specific developments vegetables, fruits and arable*
COPA-COGECA	*Agriculture Innovations by Women Farmers*
DIH Green	*Blockchain usage in agri-food digitalisation*
HIBA	*Network analysis of DIH*
NEFERTITI	*Farm Demo Training Kit for a successful on-farm or virtual demonstration event*
RC Scandinavia	*Digitalised SMEs, farmer adoption and data space – How these add up*
SAH (Soc. Ben.)	*Social benefits of digitalization n AgriFood – state of affairs*
AgriBit	*AgriBIT: Artificial intelliGence applied to pRecision farmIng By the use of GNSS and Integrated Technologies*
DATA4Food2030	*ITS MY DATA complexity of Data ownership and Data sharing in real life conditions*
iFishIENCi	*From Blue to Green*
OPEN DEI	*Reference Architectures & Interoperability*
RC Iberia	*Challenges for regional ecosystems after SmartAgriHubs*

WP2/ATB Bremen	*Open Calls for Proposal – Opportunities, Pitfalls, Challenges and Future Collaboration*
Session 5	
Berlin Thinking	*Agrifood Ecosystem Navigator*
CEMA	*Agricultural data governance key developments*
EquiHub	*Create a strong Innovation Ecosystem share and match DIH Resources efficiently*
DATA4FOOD2030	*Which business models for a more sustainable data economy*
IKnowHow	*Robots in agriculture best cases so far and challenges ahead*
INRAE	*How to implement Responsible Research and Innovations in the AgTech and AgFood sectors*
RC NWE	*Process of digitisation in pig farming & impacts of digitalisation by the food chain actors*
Session 6	
DATA4FOOD2030	*Realising Data Spaces Purpose, Challenges and Opportunities*
DEMETER	*Addressing gender inequality in the agri sector an inclusive value chain*
DESIRA	*The role of regional, national and european policies for the digital transformation*
SAH SERVICE Call Project AB Smart DIH	*Youth are our future*
WUR	*food waste data collection, harmonization, and valorization*
ZLTO	*Developing TechCoach concepts in European level, but regionally adapted*

ANNEX 2 OVERVIEW MARKETPLACE

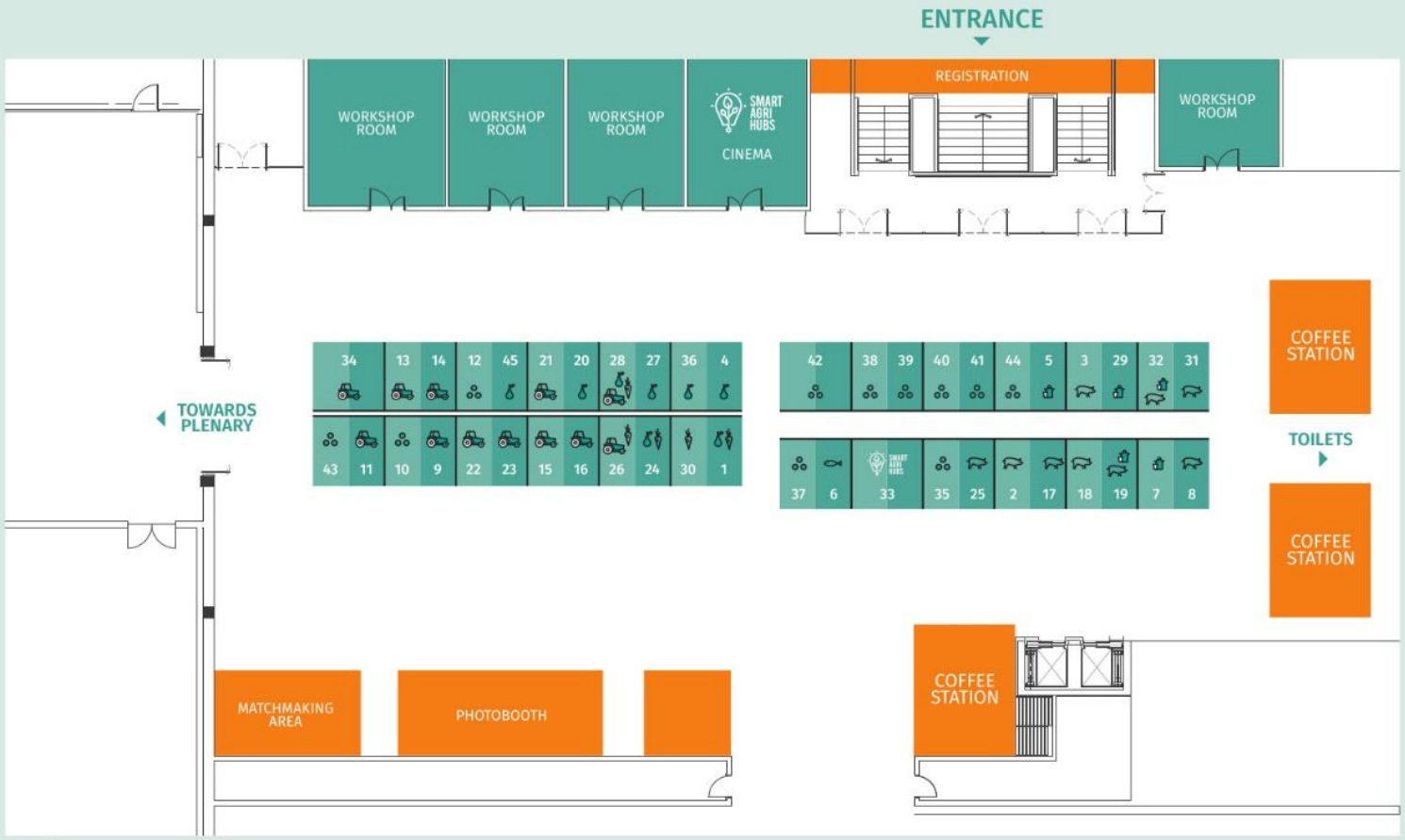
Information Exhibitors marketplace

SMART AGRI HUBS

Final Event

26 to 28 September 2022
Lisbon, Portugal

MARKETPLACE MAP



not to scale

SMART AGRI HUBS

Final Event

26 to 28 September 2022
Lisbon, Portugal

LEGEND

SECTORS

- Arable
- Animal production
- Aquaculture
- Dairy
- Fruits
- Novel food
- Vegetable
- Multi sector

EXHIBITORS

1. Data4Food2030 - DIRECT
2. Data4Food2030 - PigLINK
3. DEMETER - Pilot 4,4 & Pilot 5,4
4. PILOT 3.2 - Precision Farming for Mediterranean Woody Crops
5. AURORAL - Smart Farming Pilot
6. ASTRAL, iFishIENCi, Sea2Land, ALGACYCLE - From Blue to Green
7. FIE 1 - Farm Sustainability Audit
8. FIE 2 - STREAM
9. FIE 3 - Digitising Farm Machinery Produced by SMEs
10. FIE 4 - Adopting Digital Technologies by Farmers
11. FIE 5 - Valued Grain Chain
12. FIE 6 - Co-creation of Value and Innovations – AgriFarmLab
13. FIE 7 - Digi-PILOTE
14. FIE 8 - STRATE-GEEK
15. FIE 9 - AI4AGRICULTURE
16. FIE 10 - Farmcube
17. FIE 11 - Smart Pig Health
18. FIE 12 - DIG-Itfarm
19. FIE 13 - AEMON
20. FIE 14 - Mower Robot for Vineyards
21. FIE 15 - Precision Farming in Agricultural Practices
22. FIE 16 - E-services Utilising Drones for Quantity Buyers
23. FIE 17 - PULS for Fertilisers
24. FIE 18 - Autonomous Greenhouses
25. FIE 19 - Bee Monitoring and Behaviour Prediction
26. FIE 20 - Smart Groundwater and Weather Sensors
27. FIE 21 -SAIA
28. FIE 22 - Iberian Irrigation Portal
29. FIE 23 - Digitising the Dairy Production Chain
30. FIE 26 - Digitising Open-Field Vegetables
31. FIE 27 - Tracking Animal Movements and Health Records
32. FIE 28 - Decentralised Trust in Agri-Food Supply Chains - Tracelabs
33. SAH - Innovation Portal
34. EXPAND 2 - WWW.POT.DIGI
35. EXPAND 3 - PREPIPE
36. EXPAND 11 - DIGIWINE
37. SERVICE 19 - DFTB
38. SERVICE 9 - PROAGRO
39. SERVICE 10 - AgENT
40. SERVICE 1 - AB SmartDIH Services
41. SERVICE 6 - Grow2D
42.
43. EXPAND 6 - AgriHub CZ&SK
44. IoT Catalogue
45. VINIoT project

ANNEX 3 OVERVIEW PARTICIPATING DIHS AND CCS

Digital Innovation Hubs participating to the SmartAgriHubs Final Event	
Name	**Website**
ODYC	https://odyc.jimdosite.com
ArcLabs Research and Innovation Centre, Waterford Institute of Technology	http://www.arclabs.ie
South East Technological University	http://www.setu.ie
VistaMilk	https://vistamilk.ie/
Teagasc	https://www.teagasc.ie/contact/offices/oak-park-crops-research-centre/
Walton Institute	https://waltoninstitute.ie
Gaiasense	http://www.gaiasense.gr
innomine Digital Innovation HUB	https://innomine.com/en#introduction-of-nc
VzF Professional	
Marketing Service Gerhardy	
VzF GmbH Erfolg mit Schwein	http://www.vzf-gmbh.de
Attica's Hub for the Economy of Data and Devices	http://ahedd.demokritos.gr/
Hellenic FIWARE iHub	http://fiwareihub.gr
Smart Farm CoLab	https://www.sfcolab.org/
Wageningen Data Competence Center	http://www.wur.eu/data
DIH Capacity Building & Monitoring (Work Package 4)	http://www.tno.nl
Digital Innovation Hub Agro Poland	
ADDSEN, s.r.o.	http://www.addsen.eu
Institute of Soil Science and Plant Cultivation - State Research Institute	http://www.iung.pl
CropIn Technology Solutions B.V.	https://cropin.com/
Digital Innovation Hub of the Balearic Islands for Artificial Intelligence and Tourism	http://www.dihbai-tur.com
TURISTEC	http://www.turistec.org
South-Eastern Finland University of Applied Sciences	https://www.xamk.fi/en/frontpage/
Platform „Digitalization in Agriculture" of the Federal Ministry of Agriculture (German: Plattform „Digitalisierung in der Landwirtschaft")	https://www.bmlrt.gv.at/land/digitalisierung/digitalisierung-in-der-landwirtschaft.html

The National Association of Milling & Baking Industries of Romania	http://www.anamob.ro
SEGES	http://www.seges.dk
Adopting Digital Technologies by Farmers	http://www.agrovast.se
Agro Food Robotics - Wageningen University & Research	http://wur.nl
AgriTech Centre of Excellence, CLG	https://agritechexcellence.com/
AgriTech Ireland Cluster	http://www.agritechireland.ie
Circular Bioeconomy Research Group	https://shannonabc.ie/bioeconomy/bioeconomy-research-group/
IMaR Technology Gateway	http://www.mtu.ie
AgriTech Innovation Hub	http://agritechhub.rs.ba/
Digital Innovation Hub for the Galician Agrifood Sector	http://polodeinnovaciondixital.org/
DiH DATAlife	https://www.dihdatalife.com/
Biosense Institute	https://biosens.rs
ART-ER S.Cons.P.A.	http://www.art-er.it
Innovation for Agriculture	http://www.i4agri.org.uk
Tastefever BV	http://www.tastefever.com
Union Farmers Parliament DIH	http://www.zemniekusaeima.lv
Smart Groundwater and Weather Sensors	
Czech Center for Science and Society - České centrum pro vědu a společnost	http://www.ccss.cz
WirelessInfo	http://www.wirelessinfo.cz
Plan4all z.s.	https://www.plan4all.eu
Agriculture & Bioeconomy Smart DIH	https://www.jamk.fi/en/Research-and-Development/Focus-areas/bioeconomy/
ATB Institute for Applied Systems Technology Bremen GmbH	http://www.atb-bremen.de
Andalucía Agrotech Digital Innovation Hub	https://www.andaluciaagrotech.com/
Natural Resources Institute Finland	https://www.luke.fi/en/
Rural Industry Digital Innovation Hub	https://ruralindustries.eu/
AgriFood Capital	http://www.agrifoodcapital.nl
Institute of Agricultural Economics	https://www.aki.gov.hu/en/mainpage/
INESC TEC - Institute for Systems and Computer Engineering, Technology and Science	https://www.inesctec.pt/en
Eurac Research	http://www.eurac.edu/en/research/technologies/CenterforSensingSolutions/Pages/default.aspx
Dipl.-Ing. (FH) Hubert Schrenk	http://www.smartmotions.at
Zuidelijke Land- en Tuinbouworganisatie	http://www.ZLTO.nl
Danish Technological Institute	https://www.dti.dk/specialists/agrotech/36805
AgroHub.BG	https://agrohub.bg

University of Almería	http://www.ual.es
Almería SmartAgriHub	http://www.asah.eu
TEAM Rural Academy	http://teamruralacademy.com
InnovPlantProtect	https://iplantprotect.pt/
Fraunhofer - Society for the Promotion of Applied Research - Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	https://www.ipa.fraunhofer.de/en.html
EurA AG	https://www.eura-ag.com/en/
Nacional Operative and Tecnological Center for horticulture and fruit production - Competence Center	http://www.cothn.pt
Innovation Center Giulio Natta	https://www.innovationcentergiulionatta.com/
VEGEPOLYS VALLEY	https://www.vegepolys-valley.eu/
Berlin Thinking Consulting	http://www.berlin-thinking.com
Agrifood Ecosystem Navigator	https://navigator.agrifood.network/
FARM2030 –DIGITAL INNOVATION HUB IN THE AGRICULTURE SECTOR IN PORTUGAL FOR RESEARCH AND INNOVATION FOR SUSTAINABLE AND COMPETITIVE FARMING	
Forschungsinstitut für biologischen Landbau in Europa	https://www.fibl.org/en/locations/europe-en.html
FOODIE SmartAfriHub	https://www.smartafrihub.com/
FOODIE SmartAgriHub	https://www.agrihub.cz
Cajas Rurales Unidas Sociedad Cooperativa de Credito	http://www.cajamar.es
LWK - Chamber of Agriculture Lower Saxony	https://www.lwk-niedersachsen.de/
DIH AGRIFOOD	https://itc-cluster.com/dih-agrifood/
Agri-EPI Centre	https://agri-epicentre.com/
Agri-EPI Centre	http://www.agri-epicentre.com
RootCamp GmbH	http://www.Root.camp
Agri Sud-Ouest Innovation	https://www.agrisudouest.com/
BIO HUB ČR	http://bio-hub.cz/
COOPERATIVE SMART VILLAGE KNEŽICA	http://www.smartvillage.rs.ba
equihub UG (haftungsbeschränkt)	

Competence Centers participating to the SmartAgriHubs Final Event	
Name	**Website**
RIKON - Waterford Institute of Technology	https://www.rikon.ie/
ifac	http://www.ifac.ie
ArcLabs Research and Innovation Centre, Waterford Institute of Technology	http://www.arclabs.ie
Precision Agriculture Centre of Excellence	https://waltoninstitute.ie/innovation-centres
Walton Institute	https://waltoninstitute.ie
Wageningen University & Research	https://www.wur.nl/en/Research-Results/Research-Institutes/Economic-Research.htm
innosep GmbH	http://www.innosep.de
Marketing Service Gerhardy	
Mitteldeutsche Agentur für Informationsservice GmbH	http://www.mais.de
Agricultural University of Athens	http://www.aua.gr
ACTA - French Agricultural Technical Institutes Network	http://www.acta.asso.fr
Hellenic FIWARE iHub	http://fiwareihub.gr
Agdatahub	http://agdatahub.eu
Aarhus University	https://ece.au.dk/en/
ILVO	https://ilvo.vlaanderen.be
Poznań University of Life Sciences	http://puls.edu.p.pl
Poznan Supercomputing and Networking Center	http://www.man.poznan.pl/online/pl/
Arvalis - Plant Institute	https://www.arvalisinstitutduvegetal.fr/index.html
Wielkopolska Agriculture Advisory Centre In Poznan	http://www.wodr.poznan.pl
South-Eastern Finland University of Applied Sciences	https://www.xamk.fi/en/frontpage/
AI4SMB - AI for SMB in AgriTech	http://www.ai4smb.de
MoringaVerde	http://www.moringaverde.de
UCSC - CRAST	https://centridiricerca.unicatt.it/crast
The National Association of Milling & Baking Industries of Romania	http://www.anamob.ro
SEGES	http://www.seges.dk
IMaR Technology Gateway	http://www.mtu.ie
Smart Research and Development International S.R.L.	https://www.smartrdi.net
Galician Research and Development Center in Advanced Telecommunications (Gradiant)	http://www.gradiant.org/en
Lukasiewicz Research Network - Poznan Institute of Technology	https://pit.lukasiewicz.gov.pl/en/

ART-ER S.Cons.P.A.	http://www.art-er.it
Co-creation of Value and Innovations – AgriFarmLab	
Club of Ossiach	http://www.clubofossiach.org
WirelessInfo	http://www.wirelessinfo.cz
Plan4all z.s.	https://www.plan4all.eu
Agriculture & Bioeconomy Smart DIH	https://www.jamk.fi/en/Research-and-Development/Focus-areas/bioeconomy/
ATB Institute for Applied Systems Technology Bremen GmbH	http://www.atb-bremen.de
Natural Resources Institute Finland	https://www.luke.fi/en/
Research for Science Art and Technology (RFSAT) Limited	https://www.rfsat.com
Institute of Agricultural Economics	https://www.aki.gov.hu/en/mainpage/
INESC TEC - Institute for Systems and Computer Engineering, Technology and Science	https://www.inesctec.pt/en
Eurac Research	http://www.eurac.edu/en/research/technologies/CenterforSensingSolutions/Pages/default.aspx
HBLFA Francisco Josephinum	https://www.josephinum.at/
Dipl.-Ing. (FH) Hubert Schrenk	http://www.smartmotions.at
Zuidelijke Land- en Tuinbouworganisatie	http://www.ZLTO.nl
Danish Technological Institute	https://www.dti.dk/specialists/agrotech/36805
AgroHub.BG	https://agrohub.bg
COEXPHAL Association of Producer Organisations	http://www.coexphal.es
University of Almería	http://www.ual.es
Cátedra COEXPHAL-UAL in Horticulture, Cooperative Studies and Sustainable Development	
Fraunhofer - Society for the Promotion of Applied Research - Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	https://www.ipa.fraunhofer.de/en.html
Innovation Center Giulio Natta	https://www.innovationcentergiulionatta.com/
University of Cordoba	http://www.uco.es
VEGEPOLYS VALLEY	https://www.vegepolys-valley.eu/
Solar Energy Research Center - Centro de Investigación en Energía Solar	http://www.ciesol.es
Automatic Control, Robotics and Mechatronics Research Group	http://arm.ual.es
Nutrition Sciences N.V.	https://www.nutrition-sciences.com/
Berlin Thinking Consulting	http://www.berlin-thinking.com
Naked Innovations	https://www.nakedinnovations.eu/

OKTEO	http://www.okteo.fr
Forschungsinstitut für biologischen Landbau in Europa	https://www.fibl.org/en/locations/europe-en.html
LWK - Chamber of Agriculture Lower Saxony	https://www.lwk-niedersachsen.de/
Agri-EPI Centre	http://www.agri-epicentre.com
RootCamp GmbH	http://www.Root.camp
Tecnoalimenti S.C.p.A.	http://www.tecnoalimenti.com/
International Iberian Nanotechnology - Intergovernmental Relations	https://inl.int/
Implementation of ICT in Aquaculture - AquacultuER4.0	http://www.unife.it
Flemish Institute for Technological research	https://remotesensing.vito.be/
IQ Management	http://www.iqm.ro
INSTITUTE OF AGRIFOOD RESEARCH AND TECHNOLOGY	http://www.irta.cat
Leibniz Institute for Agricultural Engineering and Bioeconomy	https://www.atb-potsdam.de/de/