



**Synergy
Days**

BY SMARTAGRIHUBS
ROTTERDAM

Workshop tracks

Explore the future of agri-food
innovation!

Table of contents

1 Data spaces, governance, and value – unlocking the potential of agri-food data	1
1.1 Data spaces as fuel for agri-food AI development: Ethical, legal, and social aspects	
1.2 Data spaces in practice: Perspectives for scaled and inclusive innovation	
1.3 Value proposition of data sharing	
1.4 Data in Agriculture: a treasure for a sustainable food value chain	
1.5 Trust & Trace – data governance for transparent food chains	
1.6 Human rights and ethics considerations for tech tools in agriculture	
2 AI, robotics, and digital solutions adoption – smart technologies for a resilient agri-food sector	3
2.1 How to cross the valley of death in agrifood AI and robotics?	
2.2 Scaling innovation in agriculture through data, AI and federated learning	
2.3 Business models for AI-powered platforms in bioeconomy and food chains	
2.4 From Farm2Fork to Sea2Fork – empowering consumers through data	
3 Open Source, Digital Product Passports, and new technologies – driving transparency and innovation	5
3.1 Open Source Services and a new Technology Code of Conduct to support the green and digital transition of smallholders	
3.2 Lowering adoption barriers for Digital Product Passports: How can digital infrastructure and tools shape the circular transition of European Bio-Based Industries?	
3.3 GeoAI and GenAI in agriculture and rural development: Chatting with maps	
4 Innovation ecosystems and collaboration – building bridges for agri-food progress	6
4.1 EDIH 2.0: Sustaining digital innovation ecosystems through strategic action and collaboration	
4.2 Closing the digital gaps (AgriFood-focused EDIHs)	
4.3 Multidisciplinary living labs for agro-food innovation	
4.4 Impact workshop – food processing projects: Now and tomorrow	
4.5 Photonics 4 quality monitoring: Smart solutions driving the food industry forward	
5 Sustainable and climate-neutral food systems – cultivating a greener future	8
5.1 Co-creating climate-neutral food systems with living labs & food convergence innovation	
5.2 Collaborative pathways for resilient & sustainable agri-food systems across regions	
5.3 Enhance biodiversity through financing agroecological innovation	

Data spaces, governance, and value – unlocking the potential of agri-food data

Discover how secure and collaborative data spaces are revolutionising agriculture and food systems. Explore the ethical, legal, and economic dimensions of data sharing, and learn how to build trust and create tangible value from agricultural data for a sustainable future.

1.1 | Data spaces as fuel for agri-food AI development: Ethical, legal, and social aspects

This workshop will delve into the ethical, legal, and social implications of data spaces and AI in the agri-food sector. Discussions will focus on fair compensation for data providers, preventing power asymmetries, and ensuring equitable benefit from AI model training using data spaces.

Organising Projects: CEADS, Data4Food2030, AgriFoodTEF & AgData Partnership

1.2 | Data spaces in practice: Perspectives for scaled and inclusive innovation

This workshop explores the practical development of data spaces in digital agri-food environments, emphasising multi-stakeholder collaboration across distributed data sources. It will cover technical, governance, economic, and scaling dimensions, aiming for concrete actions to support further collaboration and adoption.

Organising Projects: Data4food2030, CEADS, 4Growth & ScaleAgData

1.3 | Value proposition of data sharing

This workshop will address the challenges of data sharing, including lack of trust, unclear value propositions, and regulatory uncertainty. Participants will discuss how to align incentives, reduce friction, and leverage the EU Data Act, as well as the role of stakeholders in addressing these concerns.

Organising Projects: NXTGEN HIGHTECH & Agrifood TEF

1.4 | **Data in agriculture: A treasure for a sustainable food value chain**

This workshop will present the context of Data Spaces and lead a debate on the role of EDIHs and TEFs in promoting and supporting SMEs and farmers to leverage their data and create value in a secure and sustainable way.

Organising Projects: AgrifoodTEF, EDIH TWG Agrifood & EDIH DATAlife

1.5 | **Trust & trace – data governance for transparent food chains**

This workshop focuses on co-designing a data governance and monitoring framework for agri-food and fisheries sectors, fostering trust, transparency, and regulatory compliance, including with the Digital Product Passport. Participants will tackle cross-sector data sharing challenges and define governance structures.

Organising Projects: FoodDataQuest, DIGIAGRIFOOD & OptiFish

1.6 | **Human rights and ethics considerations for tech tools in agriculture**

This workshop will explore the potential human rights and ethics implications of digital tools in agriculture for developers, users, the environment, and consumers. It will invite participants to consider interconnections with the right to health, food, transparency, labour, and environmental impacts.

Organising Projects: E-SPF Digit & Farmtopia

AI, robotics, and digital solutions adoption – smart technologies for a resilient agri-food sector

Step into the cutting-edge world of AI and robotics in agri-food. This track focuses on accelerating the adoption of intelligent technologies, showcasing how advanced digital solutions, from AI-powered platforms to federated learning, are enhancing farm operations, supply chain efficiency, and business resilience.

2.1 | How to cross the valley of death in agrifood AI and robotics?

This workshop will explore strategies for converting new AI and robotics technologies into market-ready products in the agri-food sector, addressing the challenges of high investment costs and risks associated with higher Technology and Market Readiness Levels.

Organising Projects: AgrifoodTEF & 4Growth

2.2 | Scaling innovation in agriculture through data, AI and federated learning

This interactive workshop will explore how collaboration across digital agriculture initiatives can accelerate the adoption of innovative technologies in the agri-food sector. It will provide practical insights into digitalization on farms, showcasing EU project AGRARIAN progress and its impact on involved farms, while demonstrating secure, privacy-preserving data use.

Organising Projects: GEORGIA, ScaleAgData & AGRARIAN

2.3 | Business models for AI-powered platforms in bioeconomy and food chains

The main goal of the workshop is to co-develop and validate business models for two emerging digital platforms. EFRA focuses on enabling data sharing and analytics for resilient European food systems. ARGONAUT is building an AI- and blockchain-powered tool to assess lifecycle impact.

Organising Projects: EFRA & ARGONAUT

2.4 | From Farm2Fork to Sea2Fork – empowering consumers through data

This interactive workshop explores how AI, data visualisation, and digital storytelling can bridge the gap between complex food chain data and everyday consumer choices. It will show how to leverage AI-powered tools to communicate effectively with consumers and promote informed, responsible food decisions.

Organising Projects: FoodDataQuest, OptiFish & DIGIAGRIFOOD

Synergy Days 2024 workshops



Open source, Digital Product Passports, and new technologies – driving transparency and innovation

Delve into the next generation of digital tools shaping the agri-food landscape. This track highlights the power of open-source solutions, the transformative potential of Digital Product Passports for circularity, and the exciting applications of GeoAI and Generative AI in agriculture and rural development.

3.1 | Open source services and a new Technology Code of Conduct to support the green and digital transition of smallholders

This workshop will showcase open-source software services developed by the OpenAgri and Farmtopia projects, where the primary objective is to offer practical solutions for small and medium farmers. The second part will focus on presenting the newly developed Technology Code of Conduct.

Organising Projects: OpenAgri & Farmtopia

3.2 | Lowering adoption barriers for Digital Product Passports: How can digital infrastructure and tools shape the circular transition of European bio-based industries?

This interactive workshop explores challenges and opportunities for making Digital Product Passports (DPPs) accessible and practical for producers in the bio-based sector. Participants will engage in expert panels, project showcases and co-creation sessions.

Organising Projects: ARGONAUT & bi0SpaCE

3.3 | GeoAI and GenAI in agriculture and rural development: Chatting with maps

This workshop will critically examine GeoAI and generative AI applications in agricultural and rural development, including interactive sessions where participants can explore the concept of "chatting with a map" using natural language. Live demonstrations will showcase GeoAI for weather prediction and embedding geospatial data within large language models.

Organising Projects: ALLIANCE & PoliRuralPlus

Innovation ecosystems and collaboration – building bridges for agri-food progress

Explore how collaborative networks and vibrant innovation ecosystems are propelling the agri-food sector forward. Learn about the strategic role of Digital Innovation Hubs (DIHs) and Living Labs (LLs) in fostering multidisciplinary partnerships, maximising project impact, and accelerating regional development through shared knowledge and resources.

4.1 | EDIH 2.0: Sustaining digital innovation ecosystems through strategic action and collaboration

This workshop will translate the plenary discussion on Digital Innovation Ecosystem Development in Agri-Food into concrete actions and co-develop a white paper. It aims to guide the sustainability of DIHs/EDIHs and EU projects in their regional ecosystems, reducing fragmentation.

Organising Projects: ENTIRE (Ireland), DIH DataLife (Spain) & Dungarven Enterprise Centre (Ireland)

4.2 | Closing the digital gaps (AgriFood-focused EDIHs)

This workshop will focus on moving from strategy to practical collaboration among AgriFood-focused EDIHs and seed planning for Synergy Days 2026. Objectives include mapping services, spotlighting overlaps, specialisations, and gaps, and co-creating a collaboration roadmap.

Organising Projects: ENTIRE (Ireland), Andalucía Agrotech DIH (Spain), EDIH Bretagne (France) & DigiAgriFood EDIH (Greece)

4.3 | Multidisciplinary living labs for agro-food innovation

This workshop explores how multidisciplinary living labs create innovation pathways by connecting business, science, arts, and communities for sustainable agro-food transformation. It focuses on matchmaking mechanisms to enable cross-disciplinary collaboration – from identifying expertise to facilitating knowledge co-creation.

Organising Projects: Hungry EcoCities & VALERECO

4.4 | **Impact workshop – food processing projects: Now and tomorrow**

This interactive workshop invites participants to explore how food processing projects, particularly those under the HIGHFIVE initiative, can generate meaningful, long-term impact across Europe's agri-food ecosystem. It draws lessons from HIGHFIVE and complementary projects such as SIXFOLD and SS4AF.

Organising Projects: HIGHFIVE & SIXFOLD

4.5 | **Photonics 4 quality monitoring: Smart solutions driving the food industry forward**

This interactive session highlights the role of photonics and sensor technologies in digitalising food value chains — from real-time quality monitoring to smart sorting and traceability. The workshop features a Sensor Catalogue demo, a panel discussion, and real-world use cases.

Organising Projects: Phorward21, HIGHFIVE & SIXFOLD



Sustainable and climate-neutral food systems – cultivating a greener future

Join the conversation on transitioning to environmentally conscious and climate-resilient agri-food systems. This track focuses on innovative approaches, from eco-innovation and agroecological practices to smart financing mechanisms, all aimed at enhancing biodiversity and achieving climate neutrality across the entire food value chain.

5.1 | Co-creating climate-neutral food systems with living labs & food convergence innovation

This workshop brings together AfroGrow and FCI4Africa to explore how local eco-innovation ecosystems can support the transition to climate-just and sustainable agri-food systems across Africa. It focuses on combining ecological practices like agroforestry with value chain empowerment.

Organising Projects: FCI4Africa & AfroGrow

5.2 | Collaborative pathways for resilient & sustainable agri-food systems across regions

This workshop brings together AfroGrow, VALERECO, and GEORGIA to explore how Living Labs and regional innovation ecosystems can support the transition to sustainable, inclusive, and climate-resilient agri-food systems. It will foster cross-continental exchange and generate actionable ideas.

Organising Projects: GEORGIA, AfroGrow & VALERECO

5.3 | Enhance biodiversity through financing agroecological innovation

This workshop brings together the BIOFIN-EU and VALERECO projects to explore synergies between innovative nature-positive investments and sustainable agroecological practices. It will discuss how agroecological innovations can become investable solutions for biodiversity restoration, and how financial frameworks can support their scale-up.

Organising Projects: BIOFIN-EU & VALERECO



Synergy Days

BY SMARTAGRIHUBS | ROTTERDAM



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Rotterdam, the Netherlands

Explore the full
agenda

