



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

Ireland Agri-Tech & Agri-Digitalisation – Shaping & Creating Development

2023



Rialtas na hÉireann
Government of Ireland

Food Vision 2030

A World Leader in
Sustainable Food Systems



GOAL 4

Enhance the Use of Technology and Data



MISSION 4

An Innovative, Competitive & Resilient Agri-Food Sector, Driven by Technology and Talent



ACTION 1

Develop the digital transition of the agri-food sector in line with policies such as the CAP Strategic Plan process and the National Digital Strategy. Key principles which should be followed include:

- Develop a coordinated approach for the use of data and digital technologies in agri-food, focusing on the specific needs and requirements of primary producers, processors and consumers
- Examine the opportunity for the use of public data sources to support the design and implementation of agri-food and bioeconomy policies addressing productivity, sustainability and transparency

ACTION 4

Undertake research and increase engagement with initiatives to address the socio-economic impact of agri-digitalisation with a particular focus on data governance issues.

This should build on the findings from an ongoing Irish research project, 'Agri-Discrete', that aims to contribute to good data governance practices in agriculture and forestry and which is also considering the EU code of conduct on agricultural data sharing by contractual agreement (developed by Copa-Cogeca).

Agriculture of Data Partnership

Horizon Europe Cluster 6 Co-Funding Programme

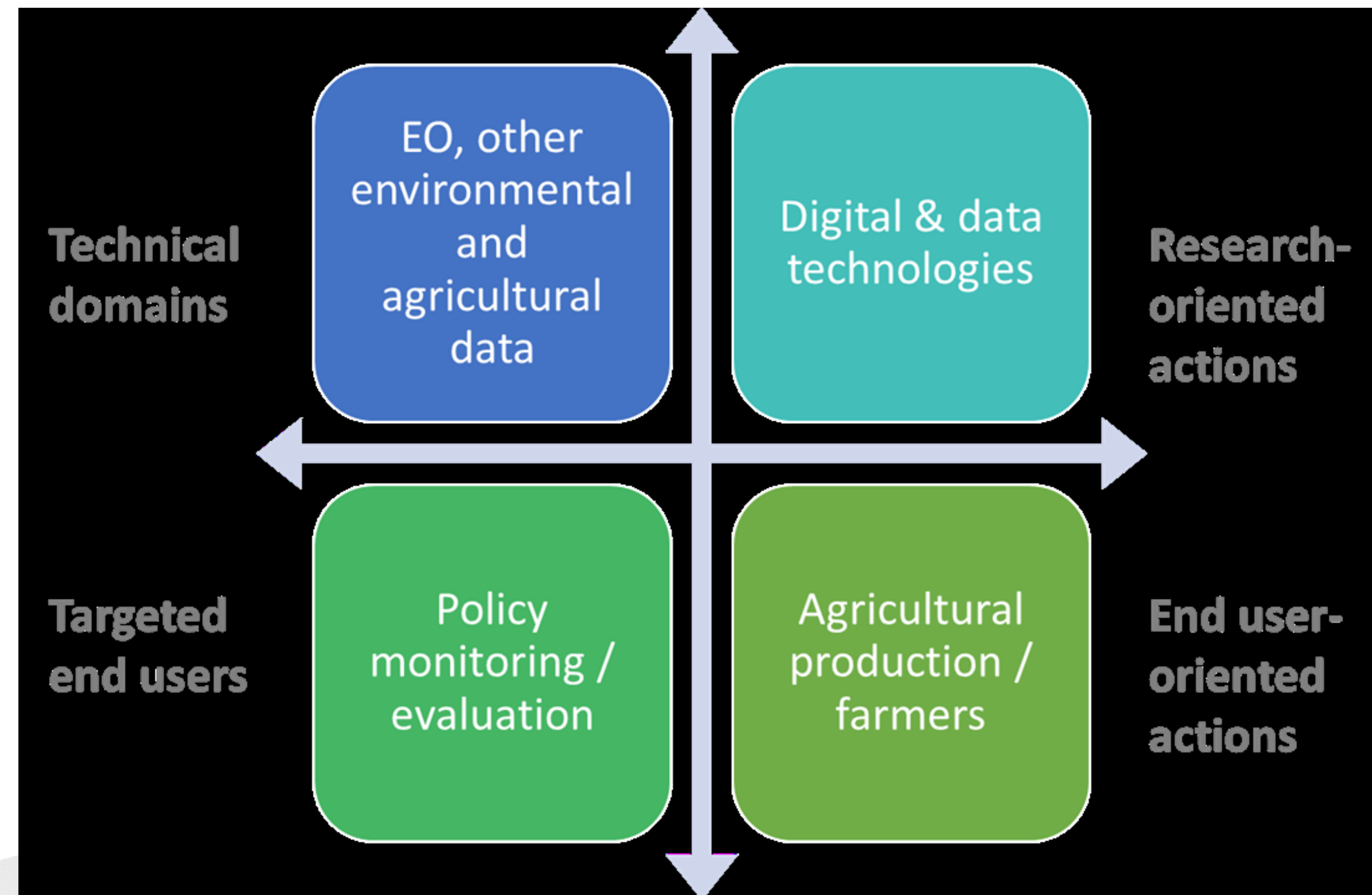


What?

Support to **sustainable agriculture** in Europe as well as **policy monitoring and implementation** by using the possibilities that **digital and data technologies** in combination with **environmental observation and other data** offer.

How?

Development of **innovative data-based solutions and services** for the private and public domain (geographically and from innovation to deployment) through the capitalization of data





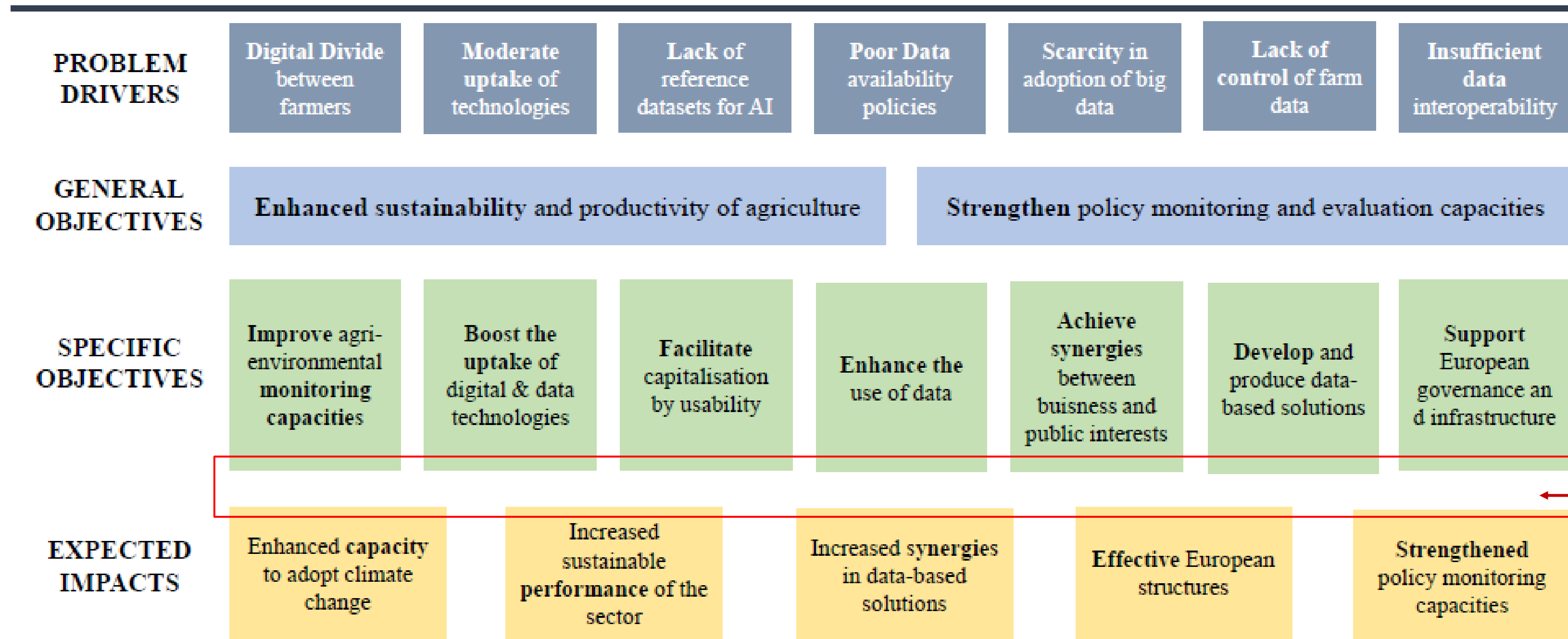
- The partnership will build the capacities to effectively and efficiently deploy data technologies, such as **Artificial Intelligence** (AI); develop innovative data-based solutions that could serve as, for instance, inputs to **Decision Support Systems** (DSS) and **farm management systems**; and generate **indicator data** to assess policy performance. It will exploit the opportunities novel satellite and sensor data offer.
- It will generate reference and training data sets from various sources for AI applications.
- The focus lies on Europe-wide data sets and services. Encouragement of Business-to-business (B2B), Business- to Government (B2G), and Government-to-Business (G2B) data sharing and the reduction of administrative burdens as well as legal framing conditions will play a key role in the work of the partnership.

[Strategic Research and Innovation Agenda – March 2023](#)

Intervention logic and Use Cases



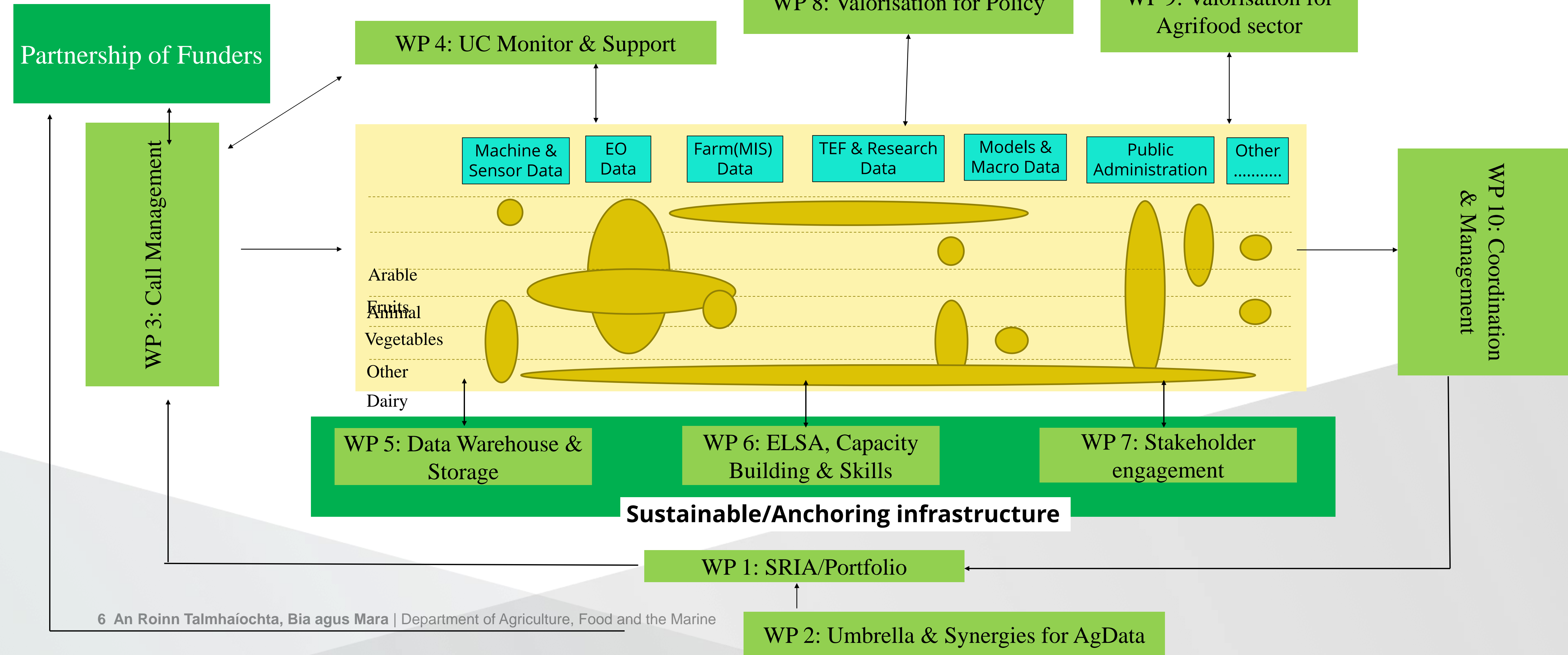
Intervention Logic of the Partnership



The use-cases are going to be used as an **instrument** to make sure that the specific objectives described in the SRIA will be completed and to structure the partnership and ensure it reaches the goals

Work Packages and Use cases

IMPACT



Common European Agricultural Data Space

Digital Europe Funding Programme



What?

Digital Europe programme - bridge the gap between digital technology research and market deployment - green transition and digital transformation - digital sovereignty.

How?

A preparatory action Coordination and Support Action (CSA) for the data space for agriculture was launched under the Digital Europe Programme (DIGITAL) in November 2021. The project explored possible options and conceptual approaches for the future deployment of an agri-data space involving stakeholders and Member States. See [AgDataSpace project](#) (completed Q3 2024)

Objective

The main objective was to **develop a secure and trusted data space** to enable the agriculture sector to **transparently share and access data** allowing for an increase in its economic and environmental performance.

[Common European Agricultural Data Space](#) - EU activities from 2021 onwards

EDIC on AgriFood

Digital Europe Funding Programme



What?

A legal entity establishing, managing, and operating the Integrated Pan-European Platform for Agri-Food Tech

A portfolio of tech infrastructures

Integrating those of the [Testing and Experimentation Facilities for AgriFood](#) and of the Agricultural Data Space,
Others owned by participating MSs and/or developed by the EDIC using own funding

How?

AgriFood digitization requires integrated pan-European socio-technical platforms

Collecting, managing and making data available to all interested parties

Making available first class digital and physical infrastructures for developers and innovators

Stimulating and supporting the development and deployment of high quality solutions based on advanced tech,
e.g. AI, IoT, blockchain, cybersecurity

Helping the creation and scale-up of new Agritech business

With a governance securing alignment with national and EU27 strategies



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

Thank you for your attention

2023