

Horizon Europe partnership on Agriculture of Data

Meeting of the
Expert Group for Monitoring and Evaluating the CAP

2 September 2020

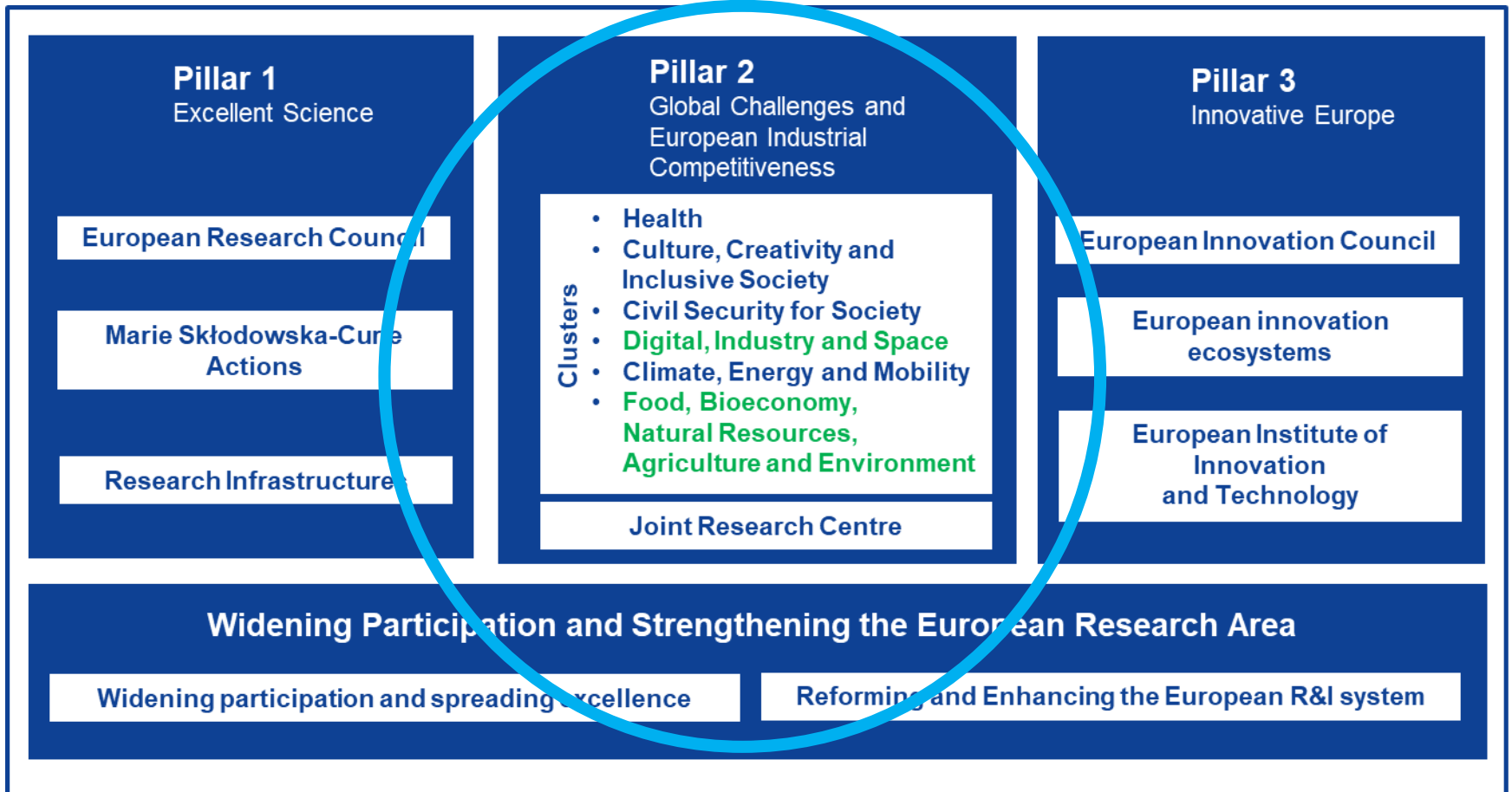
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Context

- Need of more information for **supporting sustainable agricultural practices** and the long-term competitiveness of the sector.
- Need for more tailored data as basis for **policy monitoring and evaluation**.
- Agriculture already benefits from the use of environmental and earth observation; yet, the potential of earth observation data has not been fully harvested.
- More sharing and integration of data and data collection approaches are still needed.
- **Data technologies**, including Artificial Intelligence (AI), can add to providing solutions.
- Declaration on 'A smart and sustainable digital future for European agriculture and Rural areas' (9 April 2019).
- Ongoing work of EuroGEO/GEO.

Horizon Europe



Under the clusters of Pillar 2, “classic R&I projects” as well as [partnerships](#), which involve – among others - Member States and the European Commission, are supported.

Principal Objectives of the candidate Partnership Agriculture of Data

Using the possibilities offered by **data technologies** in the field of **Environmental Observation** to

- provide support to improve the **sustainability performance of agricultural production**;
- improve the **capacities for policy monitoring and evaluation.**

Expected impacts

- Contribute to the transition to a more sustainable and long-term competitive farming sector.
- Develop **digital solutions improving efficiency, environmentally and socio-economically sustainable food production**, including a basis to **climate adaptation**.
- Support the delivery of agricultural, environmental and climate policy objectives and **policy monitoring and evaluation** in general.
- Improvement of **forecasting/modelling capabilities** for governmental decision making.
- Defragmenting the current Environmental observation landscape.
- Deepen the understanding of **future needs in datasets**.

Possible synergies and complementarity

- AI applications foreseen to be supported under the **Digital Europe Programme** (e.g. Common Agriculture Data Space, Testing and Experimentation Facilities).
- **EU Space Programme**, including Copernicus.
- Work of EuroGEO/GEO.
- MS' efforts in the context of **LULUCF implementation and policy monitoring efforts** in general.
- Several Horizon 2020 and other projects, such as NIVA or SEN4CAP, and forthcoming Horizon Europe projects.
- Identification of **High value data sets** following the Open Data Directive (ODD).*

* Preparations for implementing Act for the definition of High Value data sets is still ongoing.

Why a partnership?

- Key data sets are managed by public authorities.
- Many monitoring and policy evaluation tasks are in the responsibility of the Member States.
- Ensuring wide outreach of the results to be channeled to individuals (e.g. farmers) as well as to organisations and businesses.
- Achieving a critical mass of geographical outreach is essential to establish a sound reference data base; EU-wide approaches would be ideal.

Next steps

- **Consultation of Member States and stakeholders on partnership proposal.**
- Elaboration of an extended partnership document with interested actors within an iterative process (including e.g. webinars).
- Commitment by Member States to contribute to (certain) candidate partnerships (probably in Q4 2020).
- Development of governance structures and of a Strategic Research and Innovation Agenda.
- Preparatory R&I activities under Horizon Europe (*tbc*).
- Indicative start of the partnership: 2023.

Further information

- **Horizon Europe Partnerships:**
https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe_en
- **Fiche of the partnership Agriculture of Data:** Latest version of the fiche will be circulated after the meeting.

For any questions, please contact

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