



Common European Agricultural data space in the Digital Europe Programme



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16 December 2021

#DigitalEuropeProgramme



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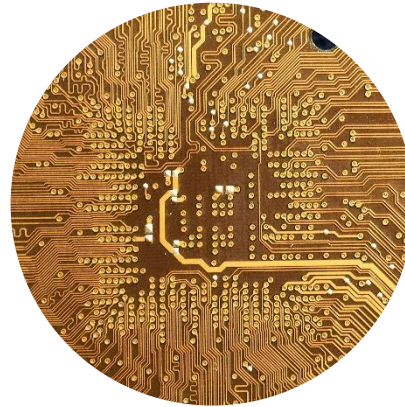
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Agriculture: at the crossroads of European priorities



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European Green Deal
F2F strategy: high targets
in reduction of use of
pesticides, fertilisers,
antimicrobials

Fit for the Digital Age
Digital technologies and
innovation key enabler to
achieve F2F strategy

Industrial leadership
Globally competitive in
digital platforms supported
ecosystems



Benefits and challenges of sharing data in agriculture



Businesses: exploitation of data will enhance EU industry; create B2B marketplace; increase access to digital single market



Governments: sector analysis; data can be used for policy monitoring



Farmers: Improve performance with decision support systems; data accessible from one entry point



Reluctance to share data: security, competition concerns, lack of trust



Dominance of large platforms capturing increasing share of value –avoid vendor– lock-in



Fragmentation, lack of access and of interoperability



Digital Europe is complementary to other programmes with investments in digital

EU-wide collective effort			National, regional and local		Financial instrument
Horizon Europe	Digital Europe	CEF	Cohesion	RRF	InvestEU
Research Innovation	Strategic capacities: computing, data spaces , testbeds, etc. Advanced digital skills EU-wide deployment	CEF DIGITAL: Broadband and 5G roll out Connecting Communities	Digital connectivity in white and grey areas Support to enterprises in line with Smart specialisation Digital skills for all citizens	Connect Scale-up Modernise Reskill and Upskill 20% digital	Leverage private capital for investments in SMEs, research, digital, infrastructure, skills...



Digital Europe programme structure

High-performance computing

- Procure exascale machines
- Upgrade existing supercomputers
- Quantum computing
- Widen the access to and use of supercomputing

Artificial intelligence

- Data4EU : common Data Spaces, clouds, platforms and infrastructure
- Large Testing and Experimentation Facilities for Agriculture, health, mobility, manufacturing and AI edge HW
- Scale up the European AI platform to access tested AI technologies

Cybersecurity

- Deploy competence centers network
- Cybersecurity shield, quantum communication infrastructure - QCI
- Certification schemes
- Cybersecurity tools

Advanced digital skills

- Master courses
- Short term trainings
- Job placements
- Platform for Skills and Jobs

European digital innovation hubs

- At least one per MS or Associated Country

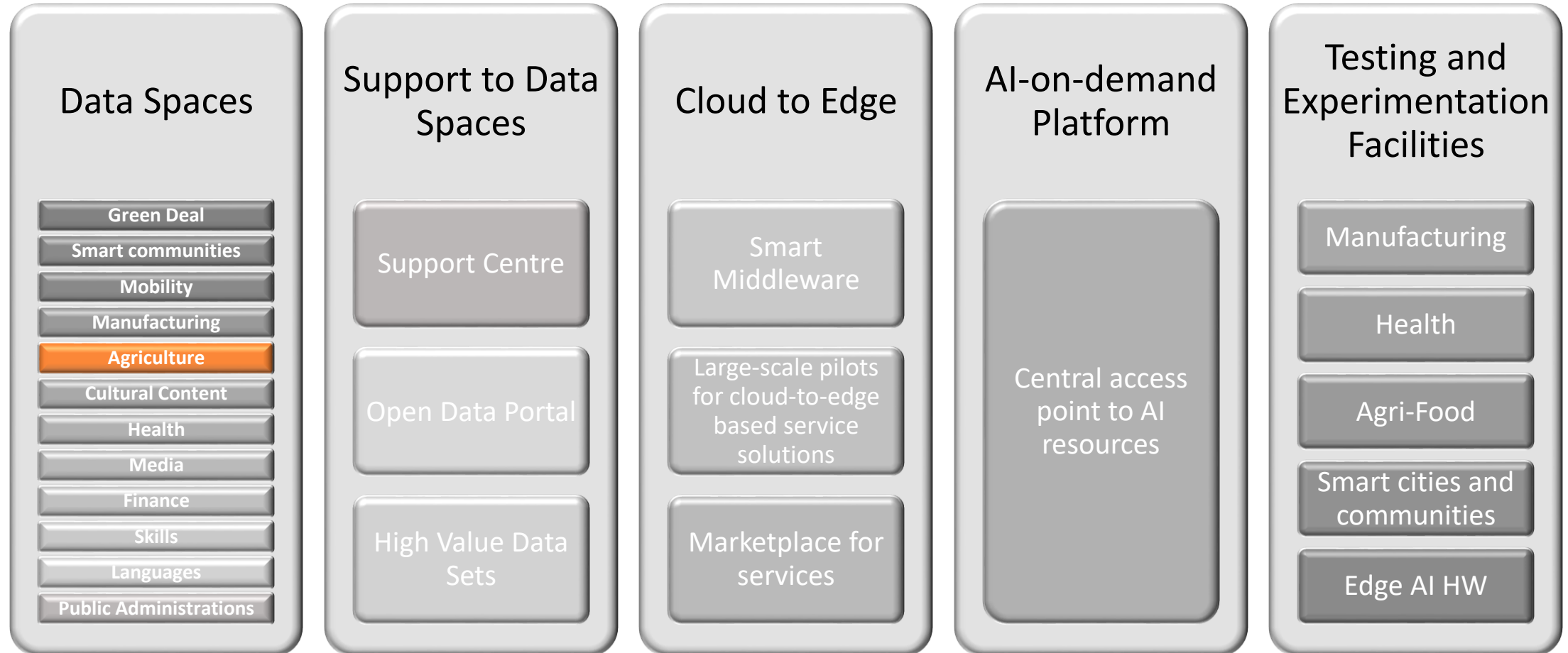
Deployments : emphasis on

- Destination Earth
- Digital twins for smart communities
- Further investments (CEF – ISA2) & Interoperability
- Blockchain
- Enhancing confidence in the digital transformation





Artificial Intelligence, data and cloud



Most of the actions will be managed directly by DG CNECT



Data space for agriculture – objectives

Main objectives of the European Agricultural data space:

- To facilitate the trustworthy sharing and pooling of data for the sector
- A “single data space”, building on a set of data spaces
- Transparent control of data access and use
- Governance and business models
- Consider the evolving regulatory and capacity building environment (legal acts, CoC, Horizon Europe Actions)
- Basis for R&I to develop solutions for the sector, and generate modelling, forecasting, monitoring and policy-relevant data



Data space for agriculture – implementation

Step 1: preparatory action: Co-ordination and Support Action (CSA)

→ Call 1

Step 2: first implementation project

→ Call in Work Programme 2023-24



Data space for agriculture CSA – expected activities/outcomes

- Make an inventory of existing data platforms and marketplaces
- Take stock of experiences with CoC
- Explore design approaches (serving private and public interests)
- Propose design/conceptual approaches (essential elements and business models)
- Develop multi-stakeholder governance scheme
- Get broad consensus on the approach, governance and business models
- Develop a roadmap for step-wise deployment



Data space for agriculture CSA– KPIs

- **Effectiveness of approach** in terms of **representativeness** of private sector, farmers, associations, advisors, third parties, public administration and/or governmental bodies.
- **Quality and credibility of the design approaches** of the data space (as confirmed by stakeholders and external experts).
- **Soundness of the multi-governance scheme** (as confirmed by stakeholders and external experts).



Data space for agriculture CSA – Alignments

The awarded consortium will work in liaison with the **Data Spaces Support Centre** to ensure alignment with the design of the European data spaces in other sectors with respect to **common elements** such as:

- Data space reference architecture, building blocks, toolbox
- Common standards, interoperability protocols
- Data governance models, business models, strategy to run the data spaces



Data space for agriculture CSA – key information 1

Call dates:

First call: Open: **17.11.2021**, Closed: **22.2.2022**

Evaluation: **Q2 2022**, Contracts signed: **Q4 2022**

Budget: EUR 2 million

Funding rate: 100% eligible costs

Duration of action: 18 months



Data space for agriculture CSA – key information 2

Work programme documents: (1) [Main](#), (2) [Cybersecurity](#), (3) [EDIH](#), (4) HPC

Call Preparatory actions for Data Spaces ([DIGITAL-2021-PREFACTS-DS-01](#)) open until: 22 February 2022 17:00 Brussels time

Applicants must be legal entities established in EU Member States or [countries associated](#) to the Digital Europe Programme

Consortium of minimum 3 independent entities from 3 different eligible countries

<https://digital-strategy.ec.europa.eu/en/activities/get-funding-digital>

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/digital>

Useful links



Digital Europe Programme website

<https://digital-strategy.ec.europa.eu/en/activities/digital-programme>

Digital Europe Programme Regulation

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R0694&qid=1621344635377>

Funding & tender opportunities portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/digital>



Thank you – Questions?



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