Info-Session

Digital Europe Deployment Calls
Green Deal, Agricultural, Energy data spaces

DIGITAL-2024-CLOUD-AI-06 & DIGITAL-2024-CLOUD-DATA-AI-06

Data Spaces Symposium, Darmstadt, 13 March 2024

Key features of the 3 deployment calls

DIGITAL-2024-CLOUD-AI-06-GREENDEAL
DIGITAL-2024-CLOUD-DATA-AI-06-AGRISPACE
DIGITAL-2024-CLOUD-AI-06-ENERSPACE

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Calls – Key Features

Timetable and deadlines (indicative)	
Call opening:	29 February 2024
Deadline for submission:	29 May 2024 – 17:00:00 CEST (Brussels)
Evaluation:	June-July 2024
Information on evaluation results:	July-August 2024
GA signature:	February 2025

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Calls – Key Features

- Type of action: **Simple grant**

  Simple Grants are a flexible type of action used by a large variety of topics and can cover most activities. The consortium will mostly use personnel costs to implement action tasks, activities with third parties (subcontracting, financial support, purchase) are possible but should be limited

- Maximum grant amount for each call: **8 mln EUR** per project

- Funding rate: **50%**

- Reimbursement certain types of eligible **costs** that were **actually incurred** for the project (not the budgeted costs).

  => *see budget categories and cost eligibility rules in call text*

- Project duration: **24-36 months Green Deal, 36 months Agri & Ener**

- Ideally **one** big project to be funded

- Consortium composition: minimum **3** independent **beneficiaries** from **3** different eligible **countries (Green Deal, Ener)**

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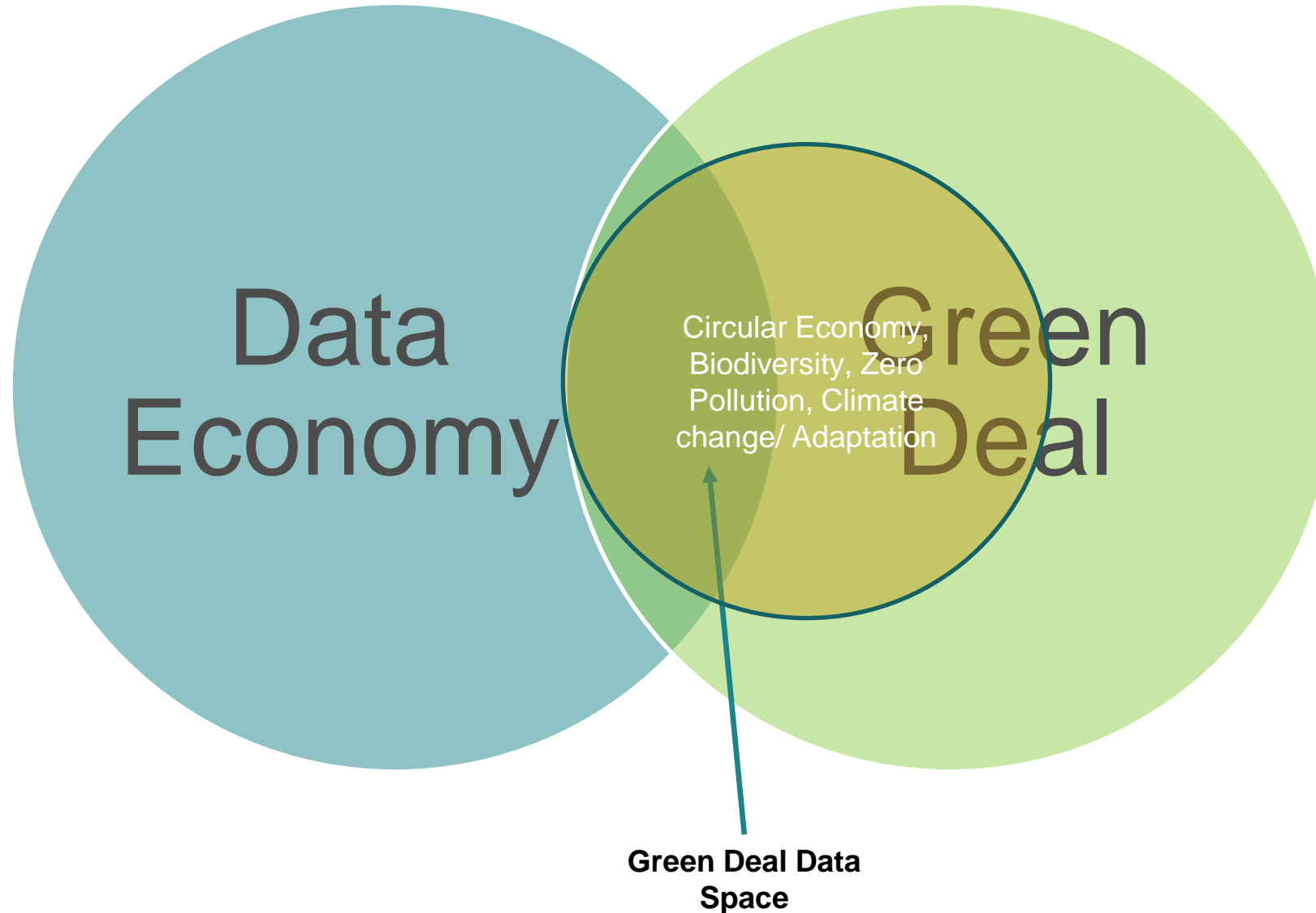# Green Deal data space deployment call

DIGITAL-2024-CLOUD-AI-06-GREENDEAL

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Call – Objective

Deploy an operational Green Deal Data Space (GDDS)

- The action is expected to deploy a **technical infrastructure and governance mechanism** for the GDDS with **related use cases**

- The action should enable **reusing and sharing data from existing relevant private and public data ecosystems**, which will feed new services and applications that contribute to reaching the objectives of the Green Deal

- The action should take into account the latest developments in the data strategy and green deal landscape, in particular:

  - Results of the **DIGITAL GREAT project** regarding preparatory actions for the Green Deal data space

  - Results of relevant HORIZON EUROPE projects to provide more accessible and exploitable environmental observation data in support of the European Green Deal priority actions (AD4GD, B-Cubed, FAIRiCUBE, USAGE)

The scope of the **European Green Deal Data Space**

Data Economy

Green Deal

Circular Economy, Biodiversity, Zero Pollution, Climate change/ Adaptation

Green Deal Data Space

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Use-cases for the GDDS

- This Call invites you to structure your proposals **around use-cases**
- The call has **identified 3 example use-cases of interest** – linked to some of recent European Commission policy initiatives
- **These 3 example use-cases of interest are not restrictive**.
- "**Any Data Space use-case** whose principal value lies in at least one of the four focus areas is in scope"

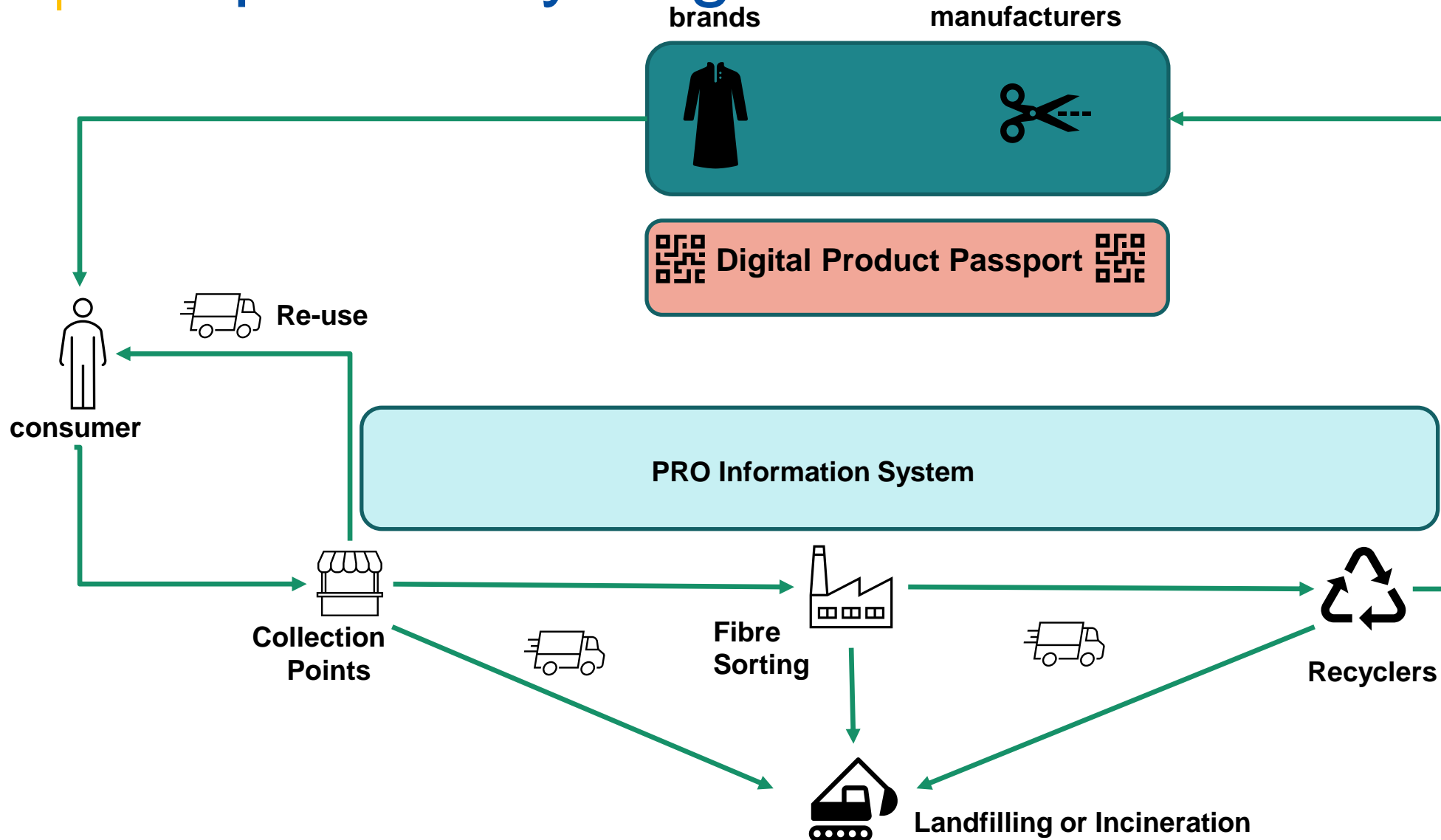**Biodiversity**   **Circular Economy**   **Zero Pollution**   **Climate change**

Use Case 1: DPP-ready Producer Responsibility Organization Information System

The "combined" DPP/ PRO-IS forms a Data Space: examples of value creation

- **Life duration of textiles**
- Waste flows **at brand level**
- Which data to feed-back to the DPP **of newly manufactured products**
- High granularity data in the **sorting reports** attached to shipments for **re-use**
- Ideas about how **to leverage the data/ capacities of DPP** in the context of a **Data Space** are welcome. **Be it textiles or other value chains**

Use Case 2: "due diligence" systems for companies supply chains

- **private operators** care more and more about their **own environmental and sustainability performance.**
- This is either due to the **imperative for compliance** to legislations like the Corporate Sustainability Reporting Directive , EU Deforestation Regulation or the Ecodesign for Sustainable Products Regulation
- Or due to the **pursuit of competitive advantage** in the sustainability race.
- This CFP aims to **fund infrastructures/ applications** that help private operators in their reporting/ sustainability journey and create value

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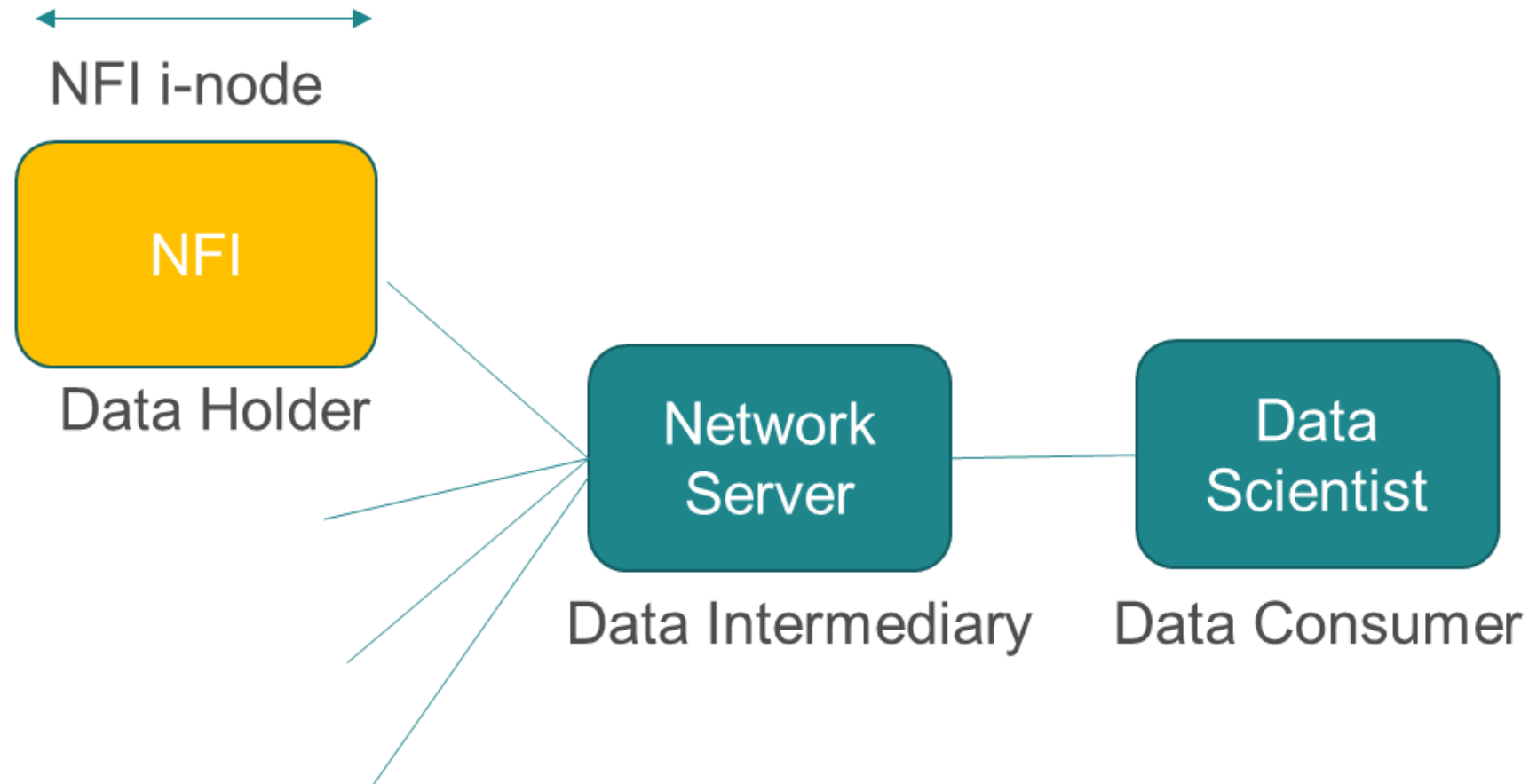# Use-Case 2 :Due Diligence for deforestation free products

Use Case 2: "due diligence" systems for companies supply chains

- Regardless if you have **already invested** in a due diligence system and have already a beta version and look to invest further or **you are starting to invest now**, we think that the Green Deal Data Space is an interesting program for you.
- Where the imperative to **disclose upstream in the value chain** with other private operators collide with the need to **protect commercially confidential information**, applicants should propose digital solutions and protocols resolving such tension
- Applicants are encouraged to explore ways that data collected and shared in the context of due diligence can be **used as a product** for creating further value and propose potential business models

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Use-case 3: National Forest Inventories and confidentiality preserving technologies

- The **National Forest Inventories**
- In contrast to the previous use-cases, in this one data (NFIs) are used as "**ground-truth data**" for training and validating ML models for forest monitoring
- Our proposal for a Forest Monitoring law has a provision for **Confidentiality Preserving Safeguards** to protect confidential attributes of NFIs and ensure **data re-use**
- While the decision making process is ongoing, this use-case is about the **technological elements of those safeguards**
- This CFP is asking for A **Confidentiality Preserving Infrastructure** that allows to access NFI data for training ML **without compromising the confidentiality constraints**

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Use-case 3: National Forest Inventories and confidentiality preserving technologies

NFI i-node

NFI

Data Holder

Network Server

Data Intermediary

Data Scientist
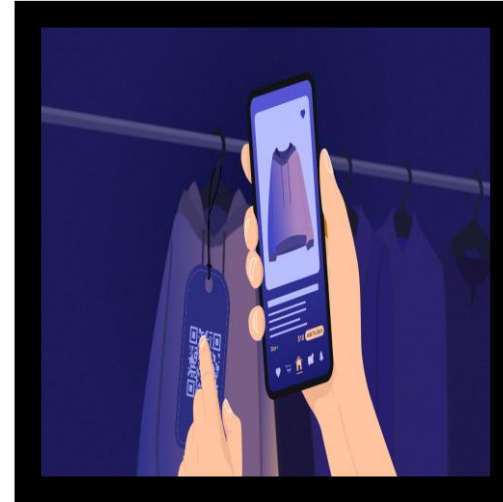
Data Consumer

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Use-cases demonstrating synergies are encouraged

Thematic Data Spaces

Destination Earth

Digital Product Passport

Local Digital Twins

Outcomes and deliverables

- A governance structure for the GDDS

- A GDDS data-governance algorithmic mechanism

- A GDDS technical infrastructure for operating the selected use cases and connecting previously fragmented green data infrastructures

- High-value, reusable datasets relevant for the selected use cases and more broadly the focus areas

- A stakeholder mapping analysis of those who could join the data space after the end of the project.

- A set of concrete policy recommendations that will complement digital solutions in the implementation of the selected use cases.

- Operational and financial sustainability of the GDDS

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Agricultural data space deployment call

DIGITAL-2024-CLOUD-DATA-AI-06-AGRISPACE

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Call – Background & Scope

Common European Agricultural Data Space

- Agricultural data has a value and can be further capitalised.

- A Coordination and Support Action (CSA) has developed an approach towards a Common European Agricultural Data Space, including a proposal for a business and governance model and technical specifications.

- Several projects have been launched to inform the development of the data space.

- Many Data Sharing Initiatives in the field of agriculture are existing and evolving; federation would be an asset.

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Call – Objectives

Set up, deploy, and further develop an operational Common European Agricultural Data Space

- Deploy 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 (requires governance and business model and technical specifications);

- Provide a basis for applications and new services that will contribute to achieving the objectives of the EU Data Strategy, the Green Deal, and the Common Agricultural Policy through enabling the sharing of private and public data.

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Call – Outcomes and deliverables

- Technical infrastructure for the Common European Agriculture Data Space.

- Data governance documentation, comprising a set of rules of legislative, administrative and contractual nature, that determine the rights to access, process, use and share data in a trustworthy and transparent manner.

- Provision of access to High Value Data Sets relevant for the EU Agricultural domain.

- Data-space specific Code of conduct and contract template relevant to the data space.

- Guidance/training documentation for the stakeholders, including SMEs, willing to join the data space.

- Once the data space is deployed: quarterly report on usage; problem management along with documented solutions to overcome problems.

Call – KPIs

- Maturity, reliability, and security of the technical infrastructure deployed.

- Number of relevant stakeholders, including SMEs, participating actively in the data space.

- Diversity of stakeholder groups involved in data space activities, including the tracking of actors involved in agriculture and/ or representing the sector.

- Amount of data and number of data types accessible through the data space.

- Geographical coverage of the available data sets.

- Number of Data transactions through the data space

- Applicants are encouraged to propose additional KPIs

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Call – Other aspects

- Financial Support to Third parties (FSTP) possible for testing the functioning of the data space

- Build on the results of CSA "AgriDataSpace"

- Consideration of other EU level initiatives and their results also in the course of implementation, such as the forthcoming Horizon Europe Partnership Agriculture of Data

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Energy data space deployment call

DIGITAL-2024-CLOUD-AI-06-ENERSPACE

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Call – Objectives

Deploy a reliable and secure common European data space for energy in alignment with the European Strategy for Data and the EU Action Plan on digitalizing the energy system.

Facilitate access to data for innovative energy services to improve grid balance, optimise the grid, enhance energy efficiency of the built environment, and integrate intermittent renewable energy sources.

Achieve the goals of 'Fit for 55' package and RePowerEU plan, promote sector integration, and create business opportunities.

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Call – Scope

First version of a common European energy data space (CEEDS) in at least 10 Member States taking into account the CEEDS blueprint and existing assets.

Identify and pilot at least **five use cases** (including at least two of the use cases from the DoEAP), addressing high-level priorities such as distributed energy resources, flexibility services for grids, and smart electric vehicle charging.

Use **common reference architecture**, **building blocks**, **open standards** (such as SAREF), and **minimum interoperability mechanisms**. Insure Intra-CEEDS and inter-data spaces interoperability.

Consider **existing European and national efforts** and ongoing **Horizon Europe projects**

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Call – Scope

Implement **infrastructures** based on replicable and scalable **building blocks** (e.g. data models, APIs, identity management, metadata and service discovery).

Establish a robust **governance system** overseeing the operations of the energy data space.

Work closely with the stakeholder **expert groups on smart energy** established by the European Commission.

Relevant stakeholders to implement this action are all entities which have an active role in managing energy system operations as well as data providers and users.

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Call – Outcomes and KPIs

Deliverables: Technical infrastructure, deployed use cases, business models, governance system, biannual reports, guidance/training documents, and regular operational reports.

Key Performance Indicators (KPIs): Qualitative and quantitative metrics, benchmarking, (methodologies for) progress monitoring, and indicators for measuring final usage and impact of the deployment.

Targeted Stakeholders: Energy operators, technology providers, energy service providers, ICT companies and telcos, system integrators, authorities, EV stakeholders, building management stakeholders, and data management stakeholders.

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Common requirements for the 3 deployment calls

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Common Requirements

- Work in close partnership with the **Data Spaces Support Centre** (DSSC):
  - ensure alignment with the rest of the ecosystem of data spaces implemented with the support of Digital Europe Programme (data spaces reference architecture; common building blocks, toolboxes and standards; and data governance models)

- Use, in so far as possible and when available, the **smart cloud-to-edge middleware platform** Simpl:
  - proof-of-concept released by summer 2024
  - Minimum Viable Platform released end 2024

- Work from the outset towards achieving **financial sustainability** by the conclusion of the project action

- active integration and **participation of data holders and users**
  - ensure that the data space is designed and structured to meet participant's needs
  - make the data space relevant and aim for high adoption rates and a strong sense of ownership of data holders and users by the end of the project's runtime

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Eligibility Applicants

- Public or private legal entities (natural persons not eligible)
- Established in eligible countries (EU27, EEA, countries associated to Digital Europe => list participating countries)

Green Deal & Energy data space calls (<u>not</u> Agricultural):

- Restricted call, application art.12(6) Digital Europe Regulation:

  o Entities must **not** be directly or indirectly **controlled from a country that is not an eligible country, unless** they comply with the requirements to **guarantee** the protection of the essential security interests of the Union and the Member States, and to ensure the protection of classified documents information as set out in the relevant work programme (conditions for foreign controlled entities – guarantees)

    => Participants* to submit a declaration to **determine the ownership and control status**

    * Beneficiaries and affiliated entities, associated partners and subcontractors - except for entities that are validated as public bodies by the Central Validation Service

  o Project **activities** can only take place **in** the **eligible countries**

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How to submit an application & more information

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How to submit an application

A 2-step process:

1) **Register your organisation** in the [Participant Register](#)

   => you will receive a 9-digit participant identification code (PIC).

2) **Submit the proposal** in 3 parts in the Funding & Tender Portal ([topic page](#)):

   ✓ Part A: administrative information (applicant organisations and budget for the proposal).

   ✓ Part B: description of the action with the technical content of the proposal (maximum 70 pages)

   ✓ Annexes:
   - Green Deal: ownership control declarations (beneficiaries and affiliated entities, associated partners and subcontractors)
   - Agricultural: list of previous projects last 4 years
   - Energy: ownership control declarations (beneficiaries and affiliated entities, associated partners and subcontractors), list of previous projects last 4 years

   => *Check call text for exhaustive information*

More information

See **topic page** for each call on the **Funding & Tender Portal**:

- Call text
- Digital Europe Work Programme 2023-2024
- EU Funding & Tenders Online Manual
- AGA – Annotated Grant Agreement
- Guidance on participation in DEP – restricted calls
- Topic related FAQ
- Funding & Tenders Portal FAQ (general)
- IT Help Desk
- **Partner search announcements**

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European Green Deal Data Space

DIGITAL-2024-CLOUD-AI-06-GREENDEAL

Topic   Call for proposal

Example Topic Page

Internal navigation ‹

- General information
- Topic description
- Conditions and documents
- Partner search announcements
- Start submission
- Topic related FAQ
- Get support
- Call updates

General information

Programme
Digital Europe Programme (DIGITAL)

Call
Cloud, data and artificial intelligence (DIGITAL-2024-CLOUD-AI-06)

Type of action
DIGITAL-SIMPLE DIGITAL Simple Grants

Type of MGA
DIGITAL Action Grant Budget-Based [DIGITAL-AG]

Deadline model
single-stage

Opening date
29 February 2024

Topic description

Thank you for your attention

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