

# BeGeo 2024

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DE ULTIEME CONNECTIE



## Green Deal Data Space – Strategy - Use Cases

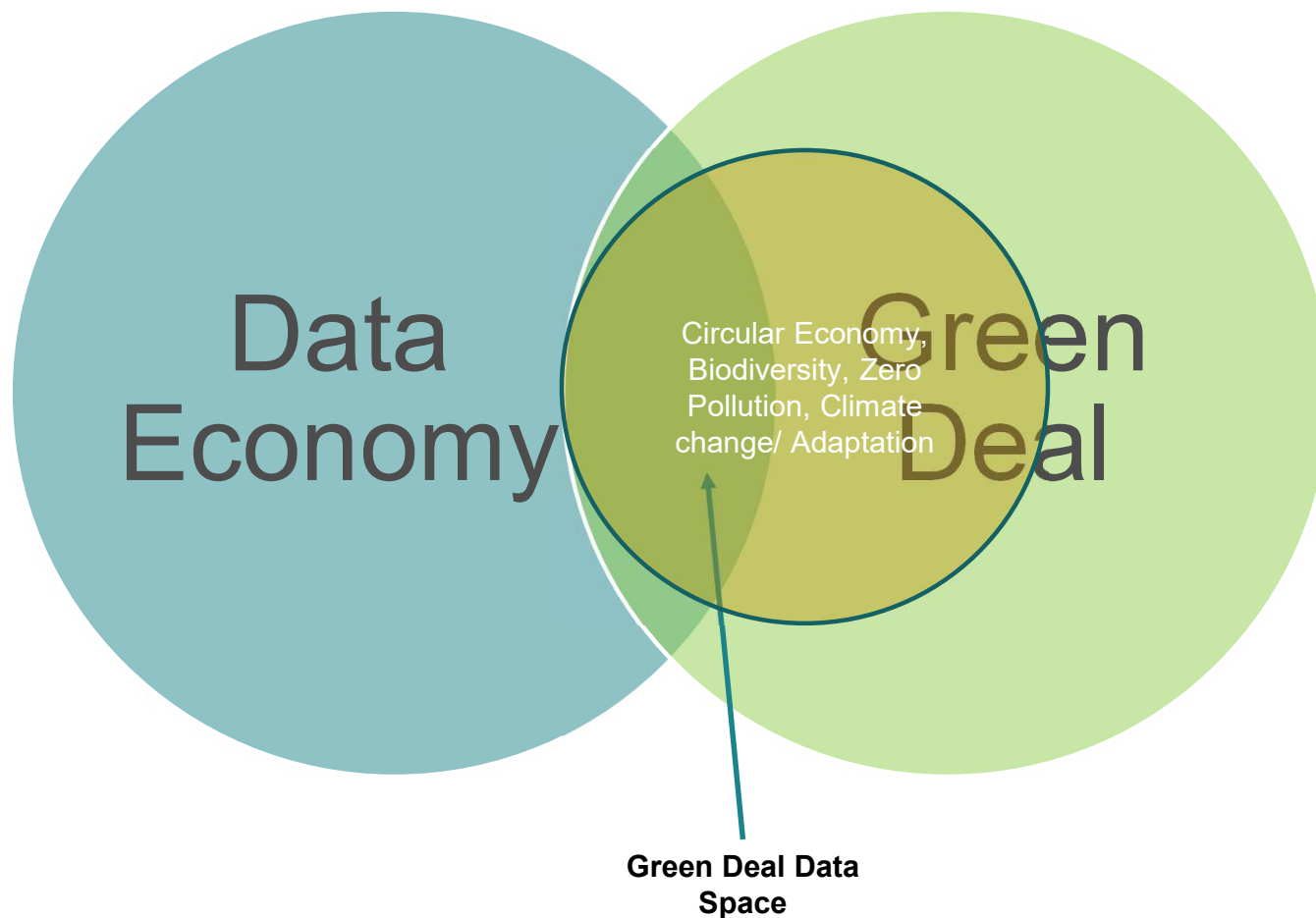
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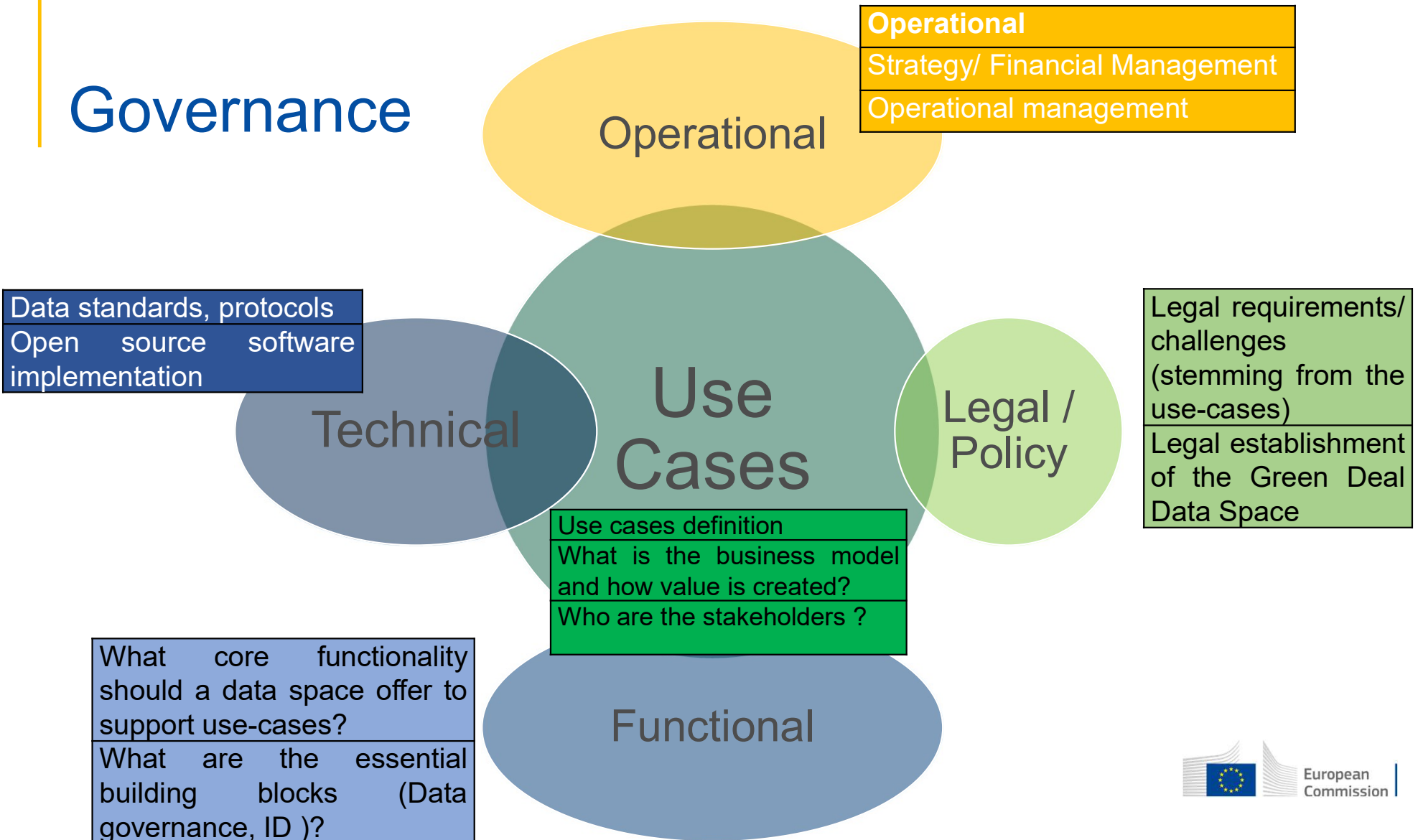
# The scope of the **European Green Deal Data Space**



# Open Data vs Non-Open data economy

- ❑ **Open data:** the majority of environmental data enhancing our situational awareness
- ❑ **Non-open data:** data behind confidentiality walls [commercial/ operational/ statistical], privacy walls, data under usage constraints reflected in licence and IP terms etc
- ❑ The **Large Language Models** were trained against petabytes of data. **Is this the norm?**

# Governance



# Use-cases for the EGGDS

- We (DG ENV) have **identified 3 use-cases of Interest** – linked to some of recent European Commission policy initiatives
- **Use-case 1:** Amendment to the Waste Framework Directive Regarding Textiles, Eco-design for Sustainable Products Regulation (ESPR)
- **Use-case 2:** Corporate Sustainability Reporting Directive , EU Deforestation Regulation
- **Use-case 3:** Forest Monitoring Law



Biodiversity



Circular Economy

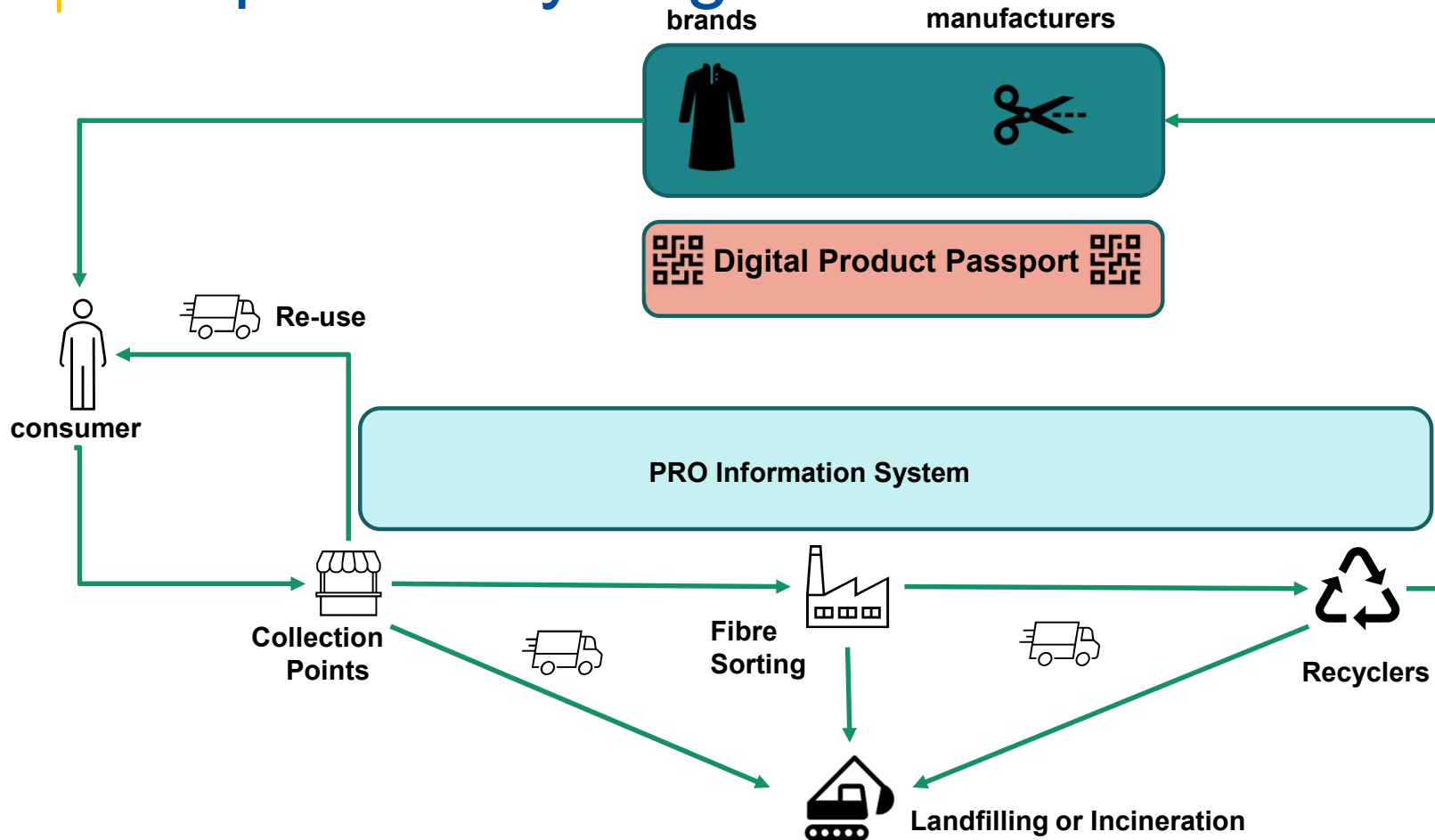


Zero Pollution



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.
- The GDDS could **invest infrastructures/ applications** that help private operators in their reporting/ sustainability journey and create value



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



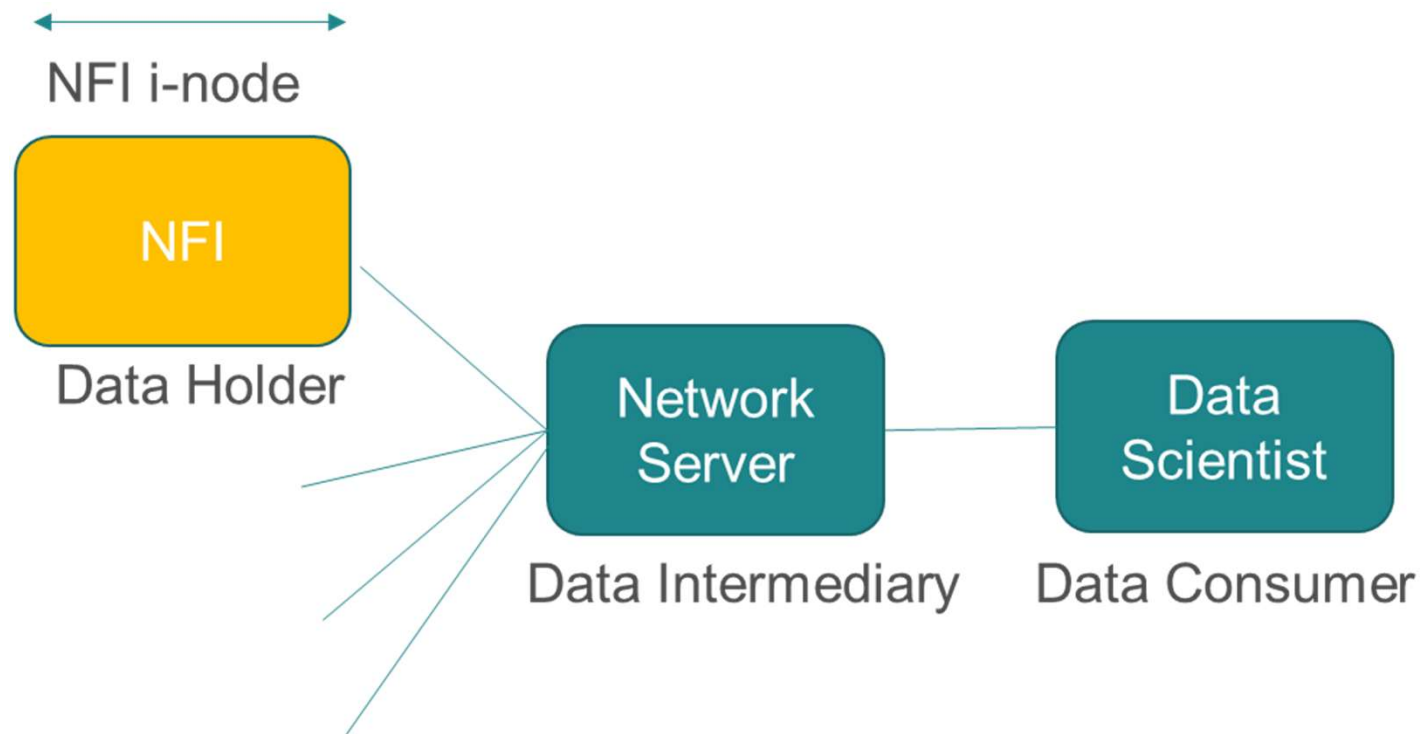
## Use Case 2: “due diligence” systems for companies supply chains

- 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
- 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

# 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**
- The GDDS could invest on a **Confidentiality Preserving Infrastructure** that allows to access NFI data for training ML **without compromising the confidentiality constraints**

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



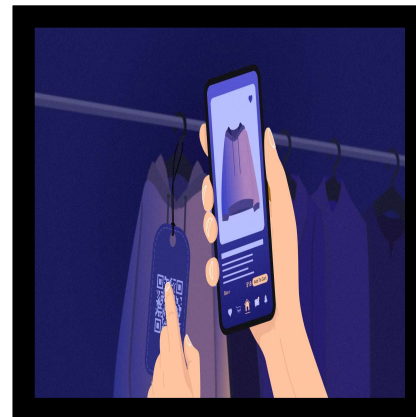
# Use-cases demonstrating synergies are encouraged



**Thematic Data Spaces**



**Destination Earth**



**Digital Product Passport**



**Local Digital Twins**

# Acknowledgments

- **Directorate General Environment**
  - D1 Land Use & Management
  - B3 From Waste to Resources
  - B4 Sustainable Products
- **Directorate General Communications Networks, Content and Technology**
  - E4 Internet of Things
- **Joint Research Centre**
  - D1 Forests & Bioeconomy
  - T1 Digital Economy

# Call #DIGITAL2024CLOUDAI06GREENDEAL

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

# 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](#))



# Call – 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: **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*
- Consortium composition: minimum **3** independent **beneficiaries** from **3** different eligible **countries**
- Project duration: **24 to 36 months**
- Ideally **one** big project to be funded

# Thank you for your attention



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# 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
- 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 / Financial Sustainability of the GDDS

# Other Specifications and 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-concepts released by summer 2024
  - Minimum Viable Platform released end 2024
- 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
- Work from the outset towards achieving **financial sustainability** by the conclusion of the project action

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

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

# 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: ownership control declarations (beneficiaries and affiliated entities, associated partners and subcontractors)

=> *Check call text and related documentation for exhaustive information*

## More information

All in the [topic page](#) of the **Funding & Tender Portal**:

- Call text DIGITAL-2024-CLOUD-AI-06-GREENDEAL
- 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**



### European Green Deal Data Space

DIGITAL-2024-CLOUD-AI-06-GREENDEAL

Topic **Call for proposal**

**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)

<b>Type of action</b> DIGITAL-SIMPLE DIGITAL Simple Grants	<b>Type of MGA</b> DIGITAL Action Grant Budget-Based [DIGITAL-AG]
<b>Deadline model</b> single-stage	<b>Opening date</b> 29 February 2024

**Topic description**



