



# Digital Europe and Horizon Europe

Digital Europe Programme – 2024 call expectations

Topic presentation HORIZON-CL4-2024-DATA-01-01

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European  
Commission



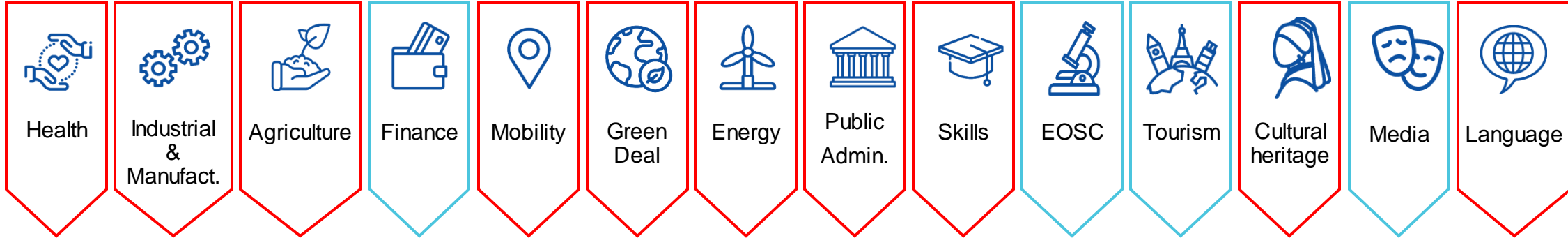
**DIGITAL**  
EUROPE  
PROGRAMME



#DigitalEuropeProgramme



# Common European Data Spaces



- Driven by stakeholders
- Rich pool of data of varying degree of openness
- Sectoral data governance (contracts, licenses, access rights, usage rights) Technical tools for data pooling and sharing



# Data Spaces project landscape

**Horizon Europe Call HORIZON-CL5-2021-D3-01:** Establish the grounds for a common European **Energy DS** (5 IA projects: [DATA\\_CELLAR](#), [EDDIE](#), [ENERSHARE](#), [OMEGA-X](#), [SYNERGIES](#); one CSA project: [IntNET](#))

- **EU4Health Call EU4H-2021-PJ2:** [HealthData@EU Pilot](#) (EHDS2 Pilot)

**Digital Europe Call 1 (2022):** [Data Spaces Support Centre](#), [PrepDS Mobility](#), [PrepDS GreenDeal](#), [PrepDS SmartComm](#), [PrepDS Tourism1](#), [PrepDS Tourism2](#), [PrepDS Skills](#), [PrepDS Agri](#), [PrepDS Manufacturing](#), [FEI Genomics](#)

**Digital Europe Call 2 (2022):** [DS Cultural Heritage](#) (4 projects), [FEI Cancer Images](#) (EUCAIM)

- **Digital Europe Procurement (2021):** [Public procurement data space](#) (PPDS)
- **Digital Europe Procurement (2022, 2023):** [Language DS](#), Finance DS ([Data Hub](#), ESAP)

**Digital Europe Call 3 (2022):** [DS Smart Communities](#), DS Manufacturing (2 projects), [DS Media](#), [DS Mobility](#), DS Skills

**Digital Europe Call 4 (2023) – call open:** FEI Genome of Europe, FEI Intensive Care Unit (ICU) data

**Digital Europe Call 5 (2023) – call open:** DS tourism, DS Cultural heritage



# Currently open call – example

**Digital Europe Call DIGITAL-2023-CLOUD-DATA-AI-05 – call open: DS tourism, DS Cultural heritage**



# Timeline Call DIGITAL-2023-CLOUD-DATA-AI-05

<b>Timetable and deadlines (indicative)</b>	
Call opening:	<b>28 September 2023</b>
<u>Deadline for submission:</u>	<b><u>23 January 2024 – 17:00:00 CET</u></b> <b><u>(Brussels)</u></b>
Evaluation:	<b>February - March 2024</b>
Information on evaluation results:	<b>April 2024</b>
GA signature:	<b>September 2024</b>

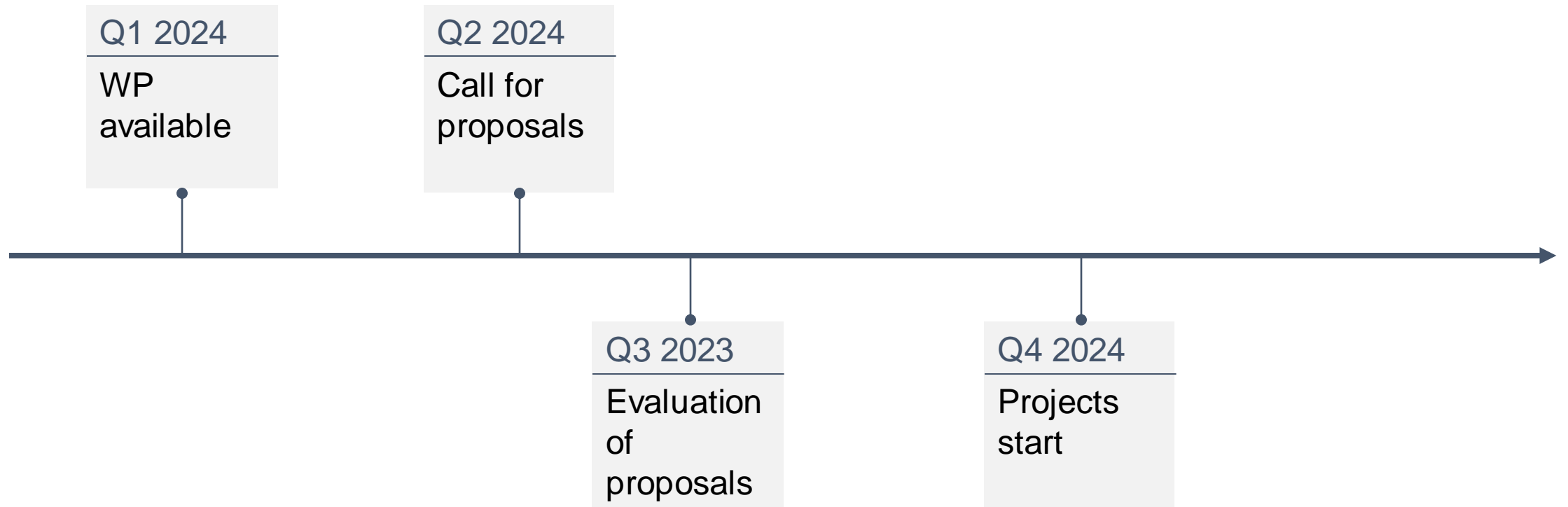


# Budget

Topic	Topic budget
DIGITAL-2023-CLOUD-DATA-AI-05-CULTHERITAGE	<b>EUR 4 000 000</b>
DIGITAL-2023-CLOUD-DATA-AI-05-DATATOURISM	<b>EUR 8 000 000</b>



# 2024 Call Timeline







# Horizon Europe

Topic presentation HORIZON-CL4-2024-DATA-01-01

# **HORIZON-CL4-2024-DATA-01-01: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)**

**Planned call opening date: 15 November 2023**

**Planned call closing date: 19 March 2024 17:00:00 Brussels time**

**Disclaimer: please see the Funding and Tenders portal for latest information. In case of discrepancy between the information in the portal and this presentation, it is the portal that prevails.**

# **HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)**

**EU contribution per project (indicative): EUR 8-10 million**

**Indicative budget of the call: EUR 38 million**

**Type of Action: Innovation Actions (IA)**

**Funding rate: (up to): 60% (100% for non-profit entities) of eligible costs**

**TRL: Achieve TRL 6-7 by the end of the project**

**Eligibility conditions: The general conditions are described in General Annex B.**

**If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).**

**Legal entities established in China are not eligible to participate in Innovation Actions in any capacity.**

# **HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)**

## **Expected impact (in the Destination 3 introduction):**

Proposals for topics under this Destination should set out a credible pathway to contributing to world-leading data and computing technologies, and more specifically to one or several of the following impacts:

- Improved European leadership in the global data economy
- Maximised social and economic benefits from the wider and more effective use of data
- Reinforced Europe's ability to manage urgent societal challenges (e.g. data for crisis management, digital for clean)

# HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)

## Expected Outcomes:

- To enable companies and public sector to easily **comply with existing and emerging regulation** (e.g. GDPR, Data Governance Act, Data Act, Artificial Intelligence Act) and **create value on data assets** that they possess or that they acquire from the market, and to allow citizens to feel more confident that data-driven systems treat them in a **fair, unbiased and compliant** way and respect their privacy/anonymity and other rights, and keep track of the use of personal data in a world where “everything” moves online.
- **Define, quantify and measure bias** in data sets (especially those used for AI development).
- Shorten the time-to-market and reduce development costs of compliant data solutions
- Contribute to open, trusted and federated **Common European data spaces**.
- **Quantify and reduce the environmental footprint** of data operations which will contribute to the Green Deal target “no net emissions of greenhouse gases by 2050”

# HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)

## Scope (1):

- Developing, piloting and integrating systems, compliance tools and data economy enablers that **process the increasing data volumes more efficiently, distil more useful knowledge from data**, and contribute to the measurement, labelling, certification and reduction of the **environmental footprint** of massive data operations (e.g. by minimizing data transfers/traffic, improving energy reuse and/or reducing energy consumption of AI training/machine learning, privacy preservation and other processes).
- Apply/support/cater for **design principles and architectures that are inherently compliant**, addressing the relevant cybersecurity issues. Compliance should be understood in the broad sense, involving **legal, ethical and environmental compliance**.
- Practical, affordable and automated **compliance tools** (e.g. privacy preservation, smart contracting, consent management, bias detection, quality measurement, tracking of uses of data etc.)

# **HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)**

## **Scope (2):**

- Provide **Common European data spaces** and **AI data provision** with reliable mechanisms to **monitor, control and track/record transactions on data, to ensure compliance.**
- Employ appropriate **technologies and methods**, such as federated and distributed AI/analytics and associate them with trustworthy AI techniques; protect privacy and confidentiality of AI training data and reduce energy footprint.
- Address **interoperability for data sharing**, where relevant, focusing on open, standardised, and trusted concepts
- The **competencies** represented in the consortium should cover all the relevant aspects (technical, legal, commercial, societal, ethical) appropriately.

# **HORIZON-CL4-2024-DATA-01-01 AI-driven data operations and compliance technologies (AI, data and robotics partnership)**

## **Required collaborations/links:**

Build on or seek collaboration with existing projects and develop synergies with other relevant European, national or regional initiatives, funding programmes and platforms.

In particular, proposed actions should build on the results of:

- Horizon 2020 data platform projects (topic **ICT-13-2018-2019**)
- HORIZON-CL4-2021-DATA-01-01 projects (compliance, privacy, green data operations)
- HORIZON-CL4-2023-HUMAN-01-01 projects (data for trustworthy AI)

The proposed actions should create links and seek synergies, where appropriate, with:

- Common European Data Spaces (Digital Europe)
- European Digital Innovation Hubs (Digital Europe).



# Useful links

- [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-7-digital-industry-and-space\\_horizon-2023-2024\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-7-digital-industry-and-space_horizon-2023-2024_en.pdf)
- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2024-data-01-01>
- <https://digital-strategy.ec.europa.eu/en/policies/eu-data-projects>

# Thank you



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