



# Regulatory framework for data reuse in Europe

*Riku LEPPÄNEN, CNECT.G.1*

# Data Act

- **Objective – Enhance the EU’s data economy by addressing data access, use and sharing**
  - Remove barriers to access data.
  - Provides reinforced portability rights when transferring data across different data processing services.
  - Addresses rights to data generated through smart objects, machines and devices.
- **Key Provisions**
  - Measures to provide protection from unfair contractual terms that are unilaterally imposed.
  - Mechanisms for public sector bodies to access and use data held by the private sector.
  - Freedom to switch between different cloud service providers. Safeguards against unlawful data transfers, ensuring more reliable data-processing environment.

# AI Act

- **Objective – Ensure safe and lawful AI deployment while fostering innovation**
  - Categorize AI systems based on associated risks.
  - Emphasize transparency, documentation and robustness.
- **Key Provisions**
  - Risk-based Approach: from Unacceptable to Minimal Risk categories.
  - High-risk AI systems must meet strict criteria (for example on data governance – Article 10).
  - Transparency obligations for AI systems. No black boxes.
  - Companies must self-assess AI risks and comply with regulations.

# Data Governance Act

**Objective – aims to create a legal framework for data sharing for the benefit of the European single market**

- Data Sharing Infrastructure with the use of data intermediaries.
- Creation of Common European Data Spaces.
- Voluntary data sharing under the concept of “Data Altruism”

# GDPR – General Data Protection Regulation

- **Objective – Protect the privacy and personal data of EU citizens**
  - Ensure lawful, fair and transparent data processing.
  - Empower data subjects with the control of their data.
- **Key Provisions**
  - Rights of the Data Subject: Access, Rectification, Erasure.
  - Requirement of Data Protection Impact Assessment and Data Protection Officer for certain Entities.
  - Strict regulation on data transfers outside the EU.
- **Implications**
  - Consent is crucial and it must be informed, clear and unambiguous.
  - Organizations may face significant fines for non-compliance.
  - Continuous monitoring and updates required for data protection practices.



# Horizon Europe

Topic: 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, standardized, 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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