

## **HORIZON-CL4-2023-DATA-01-02**

**Integration of data life cycle, architectures and standards for complex data cycles and/or human factors, language (AI, data and robotics partnership) (RIA)**

**EU contribution per project: EUR 9 million**

**Indicative budget of the call: EUR 45 million**

**Type of Action: RIA**

**TRL: Achieve TRL 4-5 by the end of the project**

**Eligibility conditions:** The conditions are described in General Annex B. The following exceptions apply:

**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).**

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## 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)

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## Expected outcomes:

- ability to process vast volumes data as one of the key enablers for other technological developments, supporting the competitiveness of the EU's industrial ecosystems;
- successful deployment of data spaces involving several sectors of economy or society;
- improve data access (in line with the FAIR principles), data sovereignty, data interoperability and data protection as an essential factor in the development of sustainable value chains respecting all stakeholder interests, particularly SMEs, but also the public sector as data providers and innovation/market ecosystem enablers.

The European Strategy for Data calls for actions to support and promote data sharing and the use of data for social and economic benefit.

FAIR = Findable, Accessible, Interoperable, Re-usable

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## Scope (see the Work Programme for full text!):

- Address the **entire data life cycle** from data generation/collection to the final use and deletion of data;
- Build on existing and emerging **standards, models and architectures** and complement/expand them as necessary in view of **interoperability** of systems and **portability** of data, especially between sectors, between private and public sectors and between different communities/constituencies of actors;
- Enable allocation and enforcement of data-related rights, obligations and responsibilities across the life cycle.
- Address relevant **human language issues** at all stages of data life cycle, addressing the **social and cultural factors** as necessary; involve “**human in the loop**” when relevant/necessary
- Build on or seek **collaboration** with existing projects and **develop synergies** with other relevant European, national or regional initiatives, funding programmes and platforms
- Develop use cases or pilots addressing or involving **at least three different common European Data spaces** and/or related ecosystems
- Liaise with **Data Spaces support centre (DSSC)** funded under the Digital Europe programme

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## 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-cl4-2023-data-01-02>