



Technologies and solutions for data trading, monetizing, exchange and interoperability

HORIZON-CL4-2022-DATA-01-04

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Basics

Deadline for submission: 5 April 2022, 17.00h (CET)

Type of action: Innovation Action

Technology Readiness Level: proposals at TRL 4 to achieve TRL 7 by end of project

Topic budget: € 52 million

Indicative EU funding per proposal: € 10-13 million

Expected number of funded projects: 4-5

Implementing the European Partnership on Artificial Intelligence, Data and Robotics

HORIZON-CL4-2022-DATA-01-04 Challenge

Destination 3: World leading data and computing technologies

Heading: Data sharing in the common European data space

- to exploit the potential of European industrial data
- to feed European data ecosystems with industrial, personal, public sector data
- to promote data sharing, trading and re-use
- fostering collaboration, building on existing initiatives
- ⚠ in full compliance with the ethical and legal framework relating to security and privacy

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Expected outcomes

- improve the digital technologies, solutions and interoperable frameworks for data markets and the data economy (e.g. industrial, administrative and societal/ cultural data platforms/ data spaces)
- allow data assets to be discoverable, efficiently and fairly priced and shared/ traded in a secured, user-friendly, compliant and energy-efficient way
- promote the development of a European industrial ecosystem of the data economy capable of ensuring digital autonomy

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Scope

- technologies, solutions, frameworks that facilitate the collection, sharing, storing, processing, trading and re-using of data in compliance with the legal framework and satisfying the needs, expectations and rights of data providers, brokers, users and data subjects
- practical and scalable solutions for handling large amounts of transactions while minimizing energy consumption
- approaches that ensure data and metadata interoperability, allowing smooth data sharing
- development and demonstration of practical and mature end-to-end systems, building on the results of work on data platforms (topic H2020-ICT-13-2018-2019), privacy-preserving technologies and computing technologies under Horizon 2020 and this programme

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Scope II

- expected to develop and/ or support data spaces of realistic scope and size, deployable in real-world applications in various application areas
- expected to support the deployment of the Common European Data Spaces under the Digital Europe programme
- expected to build on and create links with other European data sharing schemes and potential/ emerging data user/ innovator communities, as appropriate
- expected to contribute to European technological autonomy in data sharing

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Useful links

The [policy context of emerging data markets](#)

Communication: [A European strategy for data](#) (February 2020, defines the concept of Data Spaces)

The “[Data Governance Act](#)”: Proposal for a Regulation on European Data Governance

[Towards a European-Governed Data Sharing Space](#) (BDVA position paper, November 2020)

The [Digital Europe](#) programme

Recordings of the [Info Day on Horizon Europe Cluster 4, Destination 3](#) (29.11-01.12.2021)

THANK YOU!