Horizon Europe

Call HORIZON-CL4-2022-DATA-01

Topic presentation HORIZON-CL4-2022-DATA-01-01

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Basic characteristics of topic

HORIZON-CL4-2022-DATA-01-01: Methods for exploiting data and knowledge for extremely precise outcomes (analysis, prediction, decision support), reducing complexity and presenting insights in understandable way (RIA)

Specific conditions	none
Expected EU contribution per project	8 to 12 MEUR (indicative)
Indicative topic budget	33 MEUR
Type of Action	Research and Innovation Actions (RIA)
Technology Readiness Level	Start at TRL 2-3, achieve TRL 4-5 by the end of the project – see General Annex B.

HORIZON-CL4-2022-DATA-01-01: overall context

Destination 3 – World leading data and computing technologies

Under heading "Strengthening Europe's data analytics capacity"

Pushing the limits, aiming to refine "extreme" (huge, sparse, noisy, difficult) real-world data efficiently and transparently for final use by AI systems and/or people

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HORIZON-CL4-2022-DATA-01-01: Expected Outcome

Proposal results are expected to contribute to the following expected outcomes:

- Improving automated ways for extracting meaning and providing insights from data **extremely fast** and/or **accurately** in order to optimize **decision making** (ranging from crisis/emergency management to predictive maintenance) or **action planning**, as well as demonstrating how these improvements can have great positive impact for society, people, economy, or the environment.

HORIZON-CL4-2022-DATA-01-01: Scope

The actions under this topic are expected to:

- when appropriate, use **federated analytics** on **distributed/decentralized** data

- when appropriate, generate accurate synthetic data for privacy-preserving model training

- build systems capable of accurate, long range predictions.

- build interactive visualizations that anticipate and support user needs

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Actions are further expected to:

- reach operations-worthy performance on datasets on which current technologies fail in terms of volume, speed, variety

- develop technologies that are trustworthy because their recommendations can be understood by human decision makers

- use of European data sources (such as Copernicus, Galileo/EGNOS for satellite data) is encouraged in the use cases, where appropriate.

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Thank you