



HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

ADRA Info Day

Destination 6: A human-centred and ethical development of digital and industrial technologies



HORIZON-CL4-2023-HUMAN-01-01

Efficient trustworthy AI - making the best of data (AI, Data and Robotics Partnership)
(RIA)



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- **EU contribution per project: EUR 7-9 million**
- **Indicative budget of the call: EUR 35 million**
- **TRL: Achieve TRL 4-5 by the end of the project**
- Eligibility 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)
- To ensure a balanced portfolio coverage, grants will be awarded to applications not only in order of ranking but at least also to the **highest ranked proposals for each of the two focus areas**, provided that the applications attain all thresholds

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We are looking for:

- Optimized AI solutions: optimizing model design and data usage to maximize accuracy and robustness.
- Ensure in general, the pipeline of high-quality, representative, unbiased and compliant training data for AI development in all relevant sectors
- Support data preparation and AI training processes that lead to efficient and more trustworthy AI

HORIZON-CL4-2023-HUMAN-01-01 - Focus

- automated and AI-based mining, harvesting, selection, cleaning, annotation, and/or enrichment/augmentation of data for AI; generating and using synthetic data to reduce the need for large volumes of real and potentially sensitive data; validating the efficiency of these processes in AI systems;
- lighter, less data-intensive and less energy-consuming AI models, optimized learning processes that require less input (data efficient AI) without degrading the quality of the output; machine learning methods and architectures that deal with lower volumes such as transfer learning; one-shot learning; continuous and/or lifelong learning.

! Proposals should clearly mention which of the two areas will be their main focus area.

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- contribute to increasing **data efficiency** and **energy efficiency** of **AI**, and rationalize the **provision of data for AI**. The work should support **appropriate AI paradigms** (central, distributed, dynamic, hybrid), **responding** and **adapting** easily to the needs of the use situation, and to the **changing characteristics, availability** and **use conditions** for **data**.
- Target AI systems should be **appropriately evaluated**, and **results analysed** and **fed back** to ensure **continuous improvement** of the “**data for AI**” pipeline.

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- The proposal should describe the **characteristics and availability** of the data to be used within the project and explain how the possible privacy and IPR issues related to the data are addressed.
- In order to achieve the expected outcomes, **international cooperation is encouraged**, in particular with Canada and India.



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We do NOT want:

- Proposals with limited ambition delivering only incremental progress over the scientific state of the art.

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