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
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- 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.
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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