
HORIZON-CL4-2023-HUMAN-01-04

Open innovation: Addressing Grand challenges in AI (AI Data and Robotics Partnership) (CSA)





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- **EU contribution: EUR 4 million**
- **Indicative budget of the call: EUR 4 million**
- **TRL:** Achieve **TRL 4-5** by the end of the project
- **FSTP: minimum 50%** of the requested EU funding
- The support to **third parties** can only be provided in the form of **prizes**.
- The maximum amount to be granted to each third party is **EUR 500.000** to address open innovation challenges on key important S&T challenges and drive general progress on important tasks through a common challenge/benchmark problem.
- Eligibility conditions are described in **General Annex B**.

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We are looking for:

- Demonstrate and reinforce Europe's research excellence in AI by driving substantial scientific progress in the following major scientific & technological AI areas
- Develop prestigious AI open innovation challenges that will mobilise wide participation of top scientists from academia, industry including start-ups and as well as young teams and rising stars from all over EU and Associated countries.
- Substantially increase interest from industry in AI (incl. SMEs and start-ups), in particular from key socio-economic sectors for Europe, and contributing to uptake of research results by industry

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Aim of open innovation challenges:

- Attract outstanding talent and the best research teams to tackle key scientific and technological AI challenges, of relevance to industry.
- Drive substantial and broad scientific progress in key AI areas with the aim to reinforce the research excellence in Europe.
- Enable strong cooperation and co-creation between academia and industry
- Attract industry and business interest in demonstrating advanced performances meeting the needs of user industry, in view of fostering deployment and business opportunities in Europe.
- Define a process that fosters the uptake of developed algorithms/solutions across Europe

HORIZON-CL4-2023-HUMAN-01-04:

CSA should prepare **at least** three open innovation challenges addressing challenges in collaboration with the projects funded under the following topics:

- Optimisation (in collaboration with CL4-2023-HUMAN-01-01)
- natural language understanding and interaction (in collaboration with CL4-2023-HUMAN-01-03)
- Explainability, robustness (with CL4-**2024**-HUMAN-01-06)
- and collaborative intelligence (with CL4-**2024**-HUMAN-01-07)

The projects funded through these calls should participate in the respective open innovation challenges, and can receive rewards, but will not be eligible to receive prize money as they are already funded.

HORIZON-CL4-2023-HUMAN-01-04:

Proposals are expected to:

- Provide a **sound methodology** for the **design** of **AI challenges** as **open innovation** challenges and/or **benchmarks**
- Provide a **convincing approach** to **attract** the best teams from academia and industry, incl. start-ups and SMEs, students, rising stars and newcomers
- Address all aspects of running open innovation challenges and best exploit them to maximise the visibility of AI to the wider audience.
- Mobilise external partners (incl. from industry)
- Collaborate with the AI on Demand Platform, the AI, Data and Robotics Partnership, the Networks of AI excellence centres, and projects funded under CL4-2023-HUMAN-01-01+03, CL4-2024-HUMAN-01-06+07, as well as other relevant initiatives.

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We do NOT want:

- Proposals with limited ambition and plans delivering only incremental progress over the scientific state of the art.
- Lack of expertise to organize, plan and to attract and engage outstanding talent and best research teams in the challenges
- Limited visibility of the innovation challenges

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Key actors

Types of stakeholders that are addressed:

- Academy, research organizations and organizations having experience with carrying out innovation challenges
- industry (incl. SMEs and startups)

Key group of actors driving this:

- AI, Data and Robotics Partnership
<https://adr-association.eu/>

