Your Cooperation Profile Form

Partner Offer

Date of Submission: 31 October 2026

We are… ☐ **offering ourselves as partners** ☒ **looking for a partner to join our consortium**

Horizon Europe Call Topic

(Title or topic ID)

HORIZON-RAISE-2027-01-01: Automated Scientific Discovery (RAISE pilot) (RIA)

Description of your expertise / the expertise you are looking for

(up to 1000 characters)

An emerging Horizon Europe consortium (AUTOSCI-AM) is seeking one or more core scientific partners for HORIZON-RAISE-2027-01-01. Priority expertise: (1) scientific AI/HPC and robust data infrastructure, ideally with access to EuroHPC/AI Factory-class resources, scalable AI/ML, distributed computing, workflow/data orchestration and reproducible AI-for-Science pipelines; and/or (2) autonomous scientific decision-making, including experiment planning, uncertainty-aware reasoning, safe exploration, abstention/escalation, recovery/replanning and human oversight. Partners should be able to take scientific task ownership and contribute to closed-loop experimentation in materials/additive manufacturing. Experience in Horizon Europe collaborative R&I projects is highly valued.

Keywords describing your expertise / the expertise you are looking for

(up to 10 key words)

Scientific AI; High-performance computing (HPC); AI Factory; Autonomous experimentation; Closed-loop laboratories; Uncertainty-aware decision-making; Scientific machine learning; Data infrastructure; Additive manufacturing; Materials science

Organisation information

Name of your organisation:
Izmir Democracy University

Type of organisation:

☐ **Industry (Large)**
☐ **Industry (SME)**
☒ **University or College**
☐ **Research Institute**
☐ **Public Body**
☐ **Other, please specify:** Click here to enter text.

Previous participation in an EU project?

☐ **No**
☐ **Yes, please specify:** Click here to enter text.

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Website: https://www.idu.edu.tr/
Description of your organisation or the consortium for which you need a partner: AUTOSCI-AM is an emerging European consortium for the RAISE pilot on Automated Scientific Discovery. The project aims to retrofit advanced additive-manufacturing and materials laboratories with an intelligence layer that links physical experimentation, multimodal sensing, scientific AI, uncertainty quantification, autonomous decision-making and cross-laboratory validation in a safe, human-supervised closed loop. Current consortium building covers additive manufacturing, process physics, uncertainty quantification, metrology/validation, and exploitation/innovation management. We are now strengthening the AI/HPC, robust data-infrastructure and autonomous scientific decision-making layers. Consortium structure and coordination arrangements are being consolidated.

Contact details

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Declaration

☒ I herewith declare that I am responsible for the content provided and that I expressly consent to its publication in my NCP's national network, e.g. via website, social media or other communication channels usually used by my NCP.

*(Please note that a publication of your data will **not** be possible if this box is not ticked.)*

☒ I agree that the filled-in template should be sent via e-mail to NCP offices in other countries so that they may circulate my offer among their national stakeholders.