



European Strategy for Artificial Intelligence in Science

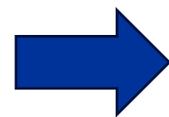
Empowering researchers with
artificial intelligence for scientific
discovery

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AI in Science – Empowering researchers with **Artificial Intelligence** for **scientific discovery**

Integrating AI in science can:

- facilitate scientific work
- accelerating scientific discovery
- amplifying the impact of science



thereby improving competitiveness and addressing societal challenges.

THE EU STRATEGY FOR **AI IN SCIENCE** IS HERE!

What's in it?

Our goals

- Integrating AI in science to reinforce European competitiveness by accelerating scientific discovery
- Supporting and accelerating the responsible adoption of AI by scientists in all disciplines
- Ensure European scientific leadership, and strategic autonomy

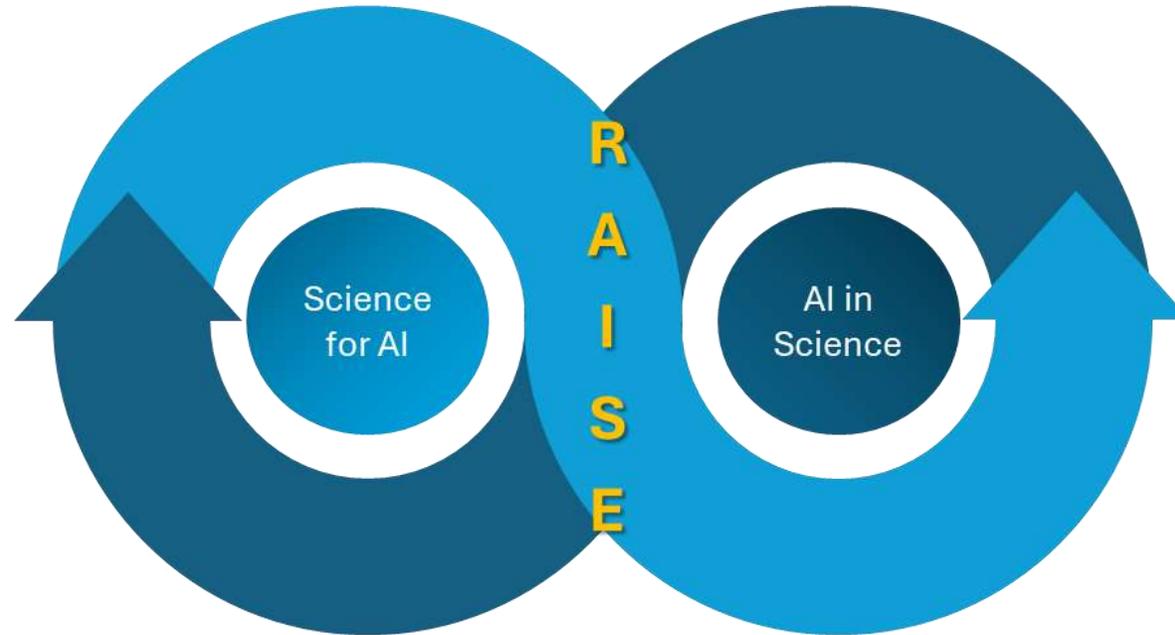
How?

- Pursuing the EU way for AI in science – fair research, trustworthy results
- Building, attracting and retaining AI scientific talent in Europe
- Funding for excellence in AI Science
- Pooling AI resources by:
 - collaborating with private sector
 - coordinating with Member States
 - cooperating internationally

RAISE

The Resource for AI Science in Europe

What is it? Virtual European institute that pools, aligns and coordinates essential AI resources. Promoting cutting-edge research in AI and the uptake of AI for scientific progress across disciplines (AI in science).



What does it offer?

A dynamic research community to foster interdisciplinary collaborations between the best scientists in Europe. AI resources: long-term funding, EU's computational power and datasets at a scale.

How does it work? Interconnection and collaboration between science for AI and AI in science, Member States and the private sector. A high-level academic advisory board provide scientific guidance. A secretariat will ensure the symbiosis of RAISE elements

Horizon Europe Work Programme 2026-2027

Artificial Intelligence in Science

Total RAISE investment for 26-27 totals EUR 107 million (AI in Science & Science for AI)
With WP 25 laying the ground for RAISE secretariat and Foundation Models Calls

- **Horizontal Call Thematic areas:** Material Science  | Agriculture  | Environment  | Food 

Work Programme 2025

Artificial Intelligence in Science – Laying the ground for RAISE with CSA for RAISE secretariat and creating the base layer of cross-disciplinary models for RAISE

- HORIZON-CL4-INDUSTRY-2025-01-DIGITAL-61: AI Foundation models in science (GenAI4EU) (RIA) **(EUR 30 million)**
- HORIZON-CL4-INDUSTRY-2025-01-DIGITAL-62: Facilitated cooperation for AI in Science (CSA) **(EUR 3 million)**

Horizontal Calls – RAISE Work Programme 2026/2027

Artificial Intelligence in Science – Horizontal Calls to create Networks and upscale AI technology use in scientific domains

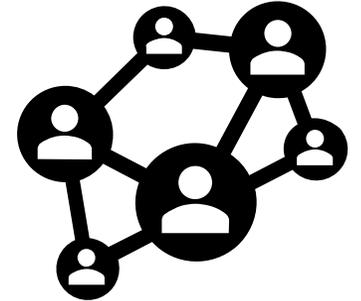
- HORIZON-RAISE-2026-01-01: Thematic Networks of Excellence for AI in Science (RAISE pilot) (RIA) **(EUR 28 million)**
- HORIZON-RAISE-2026-01-03: RAISE Doctoral Networks for AI in Science (RAISE pilot) **(EUR 30 million)**
- HORIZON-RAISE-2027-01-01: Automated Scientific Discovery (RAISE pilot) (RIA) **(EUR 32 million)**

Work Programme 2026/2027

Science for AI (DG CNECT) – Focusing on foundational AI research

- HORIZON-CL4-2026-04-DIGITAL-EMERGING-01: Pilot of the “Science for AI” Pillar of RAISE (“Resource in AI science in Europe”) **(EUR 17 million)**

HORIZON-RAISE-2026-01: Thematic Networks of Excellence for AI in Science (RAISE pilot) (RIA)



Important to note:

- **cross-cluster call** (clusters 4 and 6)
- **portfolio approach** (Thematic Networks of excellence in each topic)

Indicative budget: EUR 28 million total (EUR 15 million CL4 for Material Sciences Network, 12,8 million CL6 for Agriculture and Environment Network)

EU contribution per project: EUR 15 million for CL4, EUR 12,8 million for CL6, in the form of lump sum

Type of Action: RIA

Scope:

- **Key Elements:** Consortia composed of **leading domain research labs with AI expertise.**
- **Actions:**
 - **Strategic research agendas** to identify scientific **challenges** for **AI.**
 - Addressing scientific challenges in a **collaborative** way.
 - **Cross-network** collaboration via **RAISE** (data, tools, infrastructure).
 - **Talent** exchange (fellowships, mobility, standards).
 - **Industry partnerships** for AI method adoption.

HORIZON-RAISE-2026-01-03: RAISE Doctoral Networks for AI in Science (RAISE pilot)

Important to note:

- **cross-cluster call**
- **Indicative budget: EUR 30 million**

Scope:

Innovative AI in Science

- Develop or advance domain-specific AI tools/models.
- AI must be central to research, driving scientific breakthroughs.

RAISE Integration

- Doctoral candidates join the RAISE community, collaboration of domain scientists with AI scientists.

MSCA Compliance

- Submit to MSCA Doctoral Networks 2026 and meet MSCA eligibility, thresholds, and use MSCA grant agreement.

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

Important to note:

- **cross-cluster call** (clusters 4 and 6)
- **portfolio approach** (Automated scientific discovery laboratories in each topic)
- **Indicative budget: EUR 32 million**
EU contribution per project: EUR 10 million, in the form of lump sum

Scope:

AI-powered **closed-loop systems** for labs: Plan, run, analyze experiments autonomously or semi-autonomously.

- **AI & Automation: Retrofit labs** with adaptive AI (e.g., agentic AI, robotics).
- **Priorities: Interoperability** standards, **human-AI** interfaces, **resource** optimisation.
- **Interdisciplinary teams** (AI & domain scientists).