



# Thematic Networks of Excellence for AI in Science (RAISE pilot)

HORIZON-RAISE-2026-01-01

Program:	Horizon Europe Horizontal
Típus:	Research & Innovation Action
TRL szint:	4-5
Támogatás projektenként:	15M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026 január 06
Beadási határidő:	2026 április 21
Felhívás linkje:	<a href="#">LINK</a>

The aim of this topic is to establish networks of excellent labs across Europe, dedicated to collaborative research using AI in strategic and promising scientific areas or domains, piloting RAISE and aligning research efforts.

The selected consortia will be composed of leading European research labs in the thematic area with strong experience in applying AI in the research process. At least half the members of the consortium should have a proven track record of developing innovative AI solutions for scientific research. Each network of excellence will be dedicated to the application of AI to scientific research in a specific thematic area or scientific discipline.

A thematic network of excellence for AI in materials science is proposed (Cluster 4).

## NKFIH Horizont Európa NCP Csoport

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# Thematic Networks of Excellence for AI in Science – Agriculture and Environment (RAISE pilot)

HORIZON-RAISE-2026-01-02

Program:	<b>Horizon Europe Horizontal</b>
Típus:	<b>Research &amp; Innovation Action</b>
TRL szint:	<b>4-5</b>
Támogatás projektenként:	<b>13M EUR</b>
Támogatott projektek száma:	<b>1</b>
Pályázati felület megnyílik:	<b>2026 január 06</b>
Beadási határidő:	<b>2026 április 21</b>
Felhívás linkje:	<a href="#">LINK</a>

The aim of this topic is to establish a network of excellent labs across Europe, dedicated to collaborative research using AI in strategic and promising scientific areas or domains, piloting RAISE and aligning research efforts.


The selected consortium will be composed of leading European research labs in the thematic area with strong experience in applying AI in the research process. At least half the members of the consortium should have a proven track record of developing innovative AI solutions for scientific research. Consortia are welcome to involve expertise in Social Sciences and Humanities in their proposal as they see fit to achieve the objectives.

The network of excellence will be dedicated to the application of AI to scientific research in agricultural sciences and environmental pollution sciences (Cluster 6).

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# RAISE Doctoral Networks for AI in Science (RAISE pilot)

HORIZON-RAISE-2026-01-03

Program:	<b>Horizon Europe Cluster 4</b>
Típus:	<b>Coordination &amp; Support Action</b>
TRL szint:	-
Támogatás projektenként:	<b>7M EUR</b>
Támogatott projektek száma:	<b>1</b>
Pályázati felület megnyílik:	<b>2026 január 06</b>
Beadási határidő:	<b>2026 április 21</b>
Felhívás linkje:	<a href="#">LINK</a>

This action builds on the MSCA Doctoral Networks 2026 call (HORIZON-MSCA-DN-2026). Successful RAISE Doctoral Networks and doctoral candidates will be associated with RAISE, the Resource for AI Science in Europe. They will become part of the RAISE research community and will interact with its other members.

Doctoral candidates are to either develop or significantly participate in the development of innovative AI systems, models, tools or methodologies for their scientific domain. These systems, models, tools or methodologies must substantially innovate the way in which scientific information is analysed and enable a scientific contribution that furthers the state of the art in the discipline of the doctoral research.

In order to apply for the RAISE Doctoral Networks call, applicants must submit their proposal to the Marie Skłodowska-Curie actions (MSCA) Doctoral Networks 2026.

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# Automated Scientific Discovery (RAISE pilot)

HORIZON-RAISE-2027-01-01

Program:	<b>Horizon Europe Horizontal</b>
Típus:	<b>Research &amp; Innovation Action</b>
TRL szint:	<b>5</b>
Támogatás projektenként:	<b>10M EUR</b>
Támogatott projektek száma:	<b>3</b>
Pályázati felület megnyílik:	<b>2026 szeptember 22</b>
Beadási határidő:	<b>2027 február 02</b>
Felhívás linkje:	<a href="#">LINK</a>

This topic addresses the development of safe and trustworthy closed loop scientific experimentation systems through the integration of laboratory automation with AI-driven decision-making processes and robust data infrastructures. Funded projects will help scientific labs with an already advanced level of automation and digitalisation to design, develop, and test the intelligence layer that enables scientific instrumentation to semi- or fully autonomously plan, run, and analyse experiments, ideally in coordination/network with other labs and without requiring a complete redesign of existing laboratory outfitting.

Proposals will incorporate comprehensive data management systems capable of handling the collection, storage, processing, and sharing of experimental data.

Proposals should demonstrate how an existing lab can be retrofitted with AI-driven systems to plan, execute, and analyse experiments in a closed-loop fashion, incorporating human oversight and interaction to ensure accuracy, safety, and ethical compliance.

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# Automated Scientific Discovery – Food (RAISE pilot)

HORIZON-RAISE-2027-01-02

Program:	<b>Horizon Europe Horizontal</b>
Típus:	<b>Research &amp; Innovation Action</b>
TRL szint:	-
Támogatás projektenként:	<b>3M EUR</b>
Támogatott projektek száma:	<b>1</b>
Pályázati felület megnyílik:	<b>2026 november 17</b>
Beadási határidő:	<b>2027 március 18</b>
Felhívás linkje:	<a href="#">LINK</a>

This topic addresses the development of safe and trustworthy closed loop scientific experimentation systems through the integration of laboratory automation with AI-driven decision-making processes and robust data infrastructures. The funded project will help scientific labs with an already advanced level of automation and digitalisation to design, develop, and test the intelligence layer that enables scientific instrumentation to semi- or fully autonomously plan, run, and analyse experiments, ideally in coordination/network with other labs and without requiring a complete redesign of existing laboratory outfitting.

Proposals should demonstrate how an existing lab can be retrofitted with AI-driven software systems to plan, execute, and analyse experiments in a closed-loop fashion, incorporating human oversight and interaction to ensure accuracy, safety, and ethical compliance.

Impact areas of automated experimentation in biomass and precision fermentation could include the development of alternative protein sources in food production and alternative fats, bio-based materials, specialty carbohydrates, biotechnologies in food systems (such as biochemicals, microbial cultures, etc), food ingredients.

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