

THE EU RESEARCH & INNOVATION PROGRAMME 2021 - 2027

#HorizonEU

HORIZON EUROPE CLUSTER 4: ESSENTIAL UPDATES AND KEY-OPPORTUNITIES

Ingrida Lavrinovica, Dr.sc.ing.

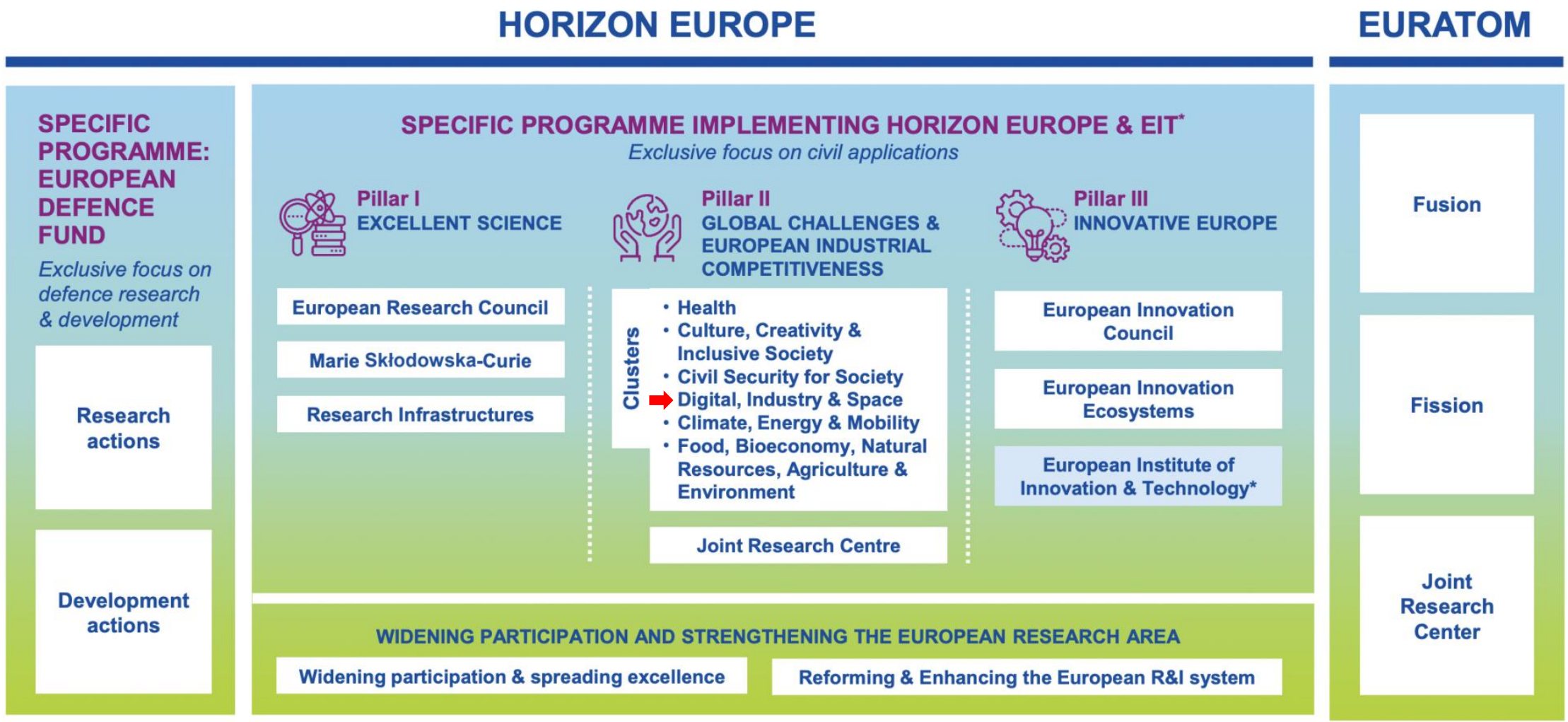
Latvian Council of Science
International Cooperation Program
Project Department
Horizon Europe National Contact Point
Senior Expert
Phone: +371 29388402
e-mail: ingrida.lavrinovica@lzp.gov.lv

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2027 National Development Plan

Latvian Council of Science

1.1.1.5. project "Support for Latvia's participation in international research and innovation programs"



* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

European Commission

LATVIA IN HORIZON EUROPE – KEY FIGURES

2798
PROPOSALS

1597
ABOVE THRESHOLD PROPOSALS

440
PROJECTS

49
COORDINATORS

3821
PARTICIPANTS IN PROPOSALS

2158
PARTICIPANTS IN ABOVE THRESHHOLD PROPOSALS

583
PARTICIPANTS IN PROJECTS

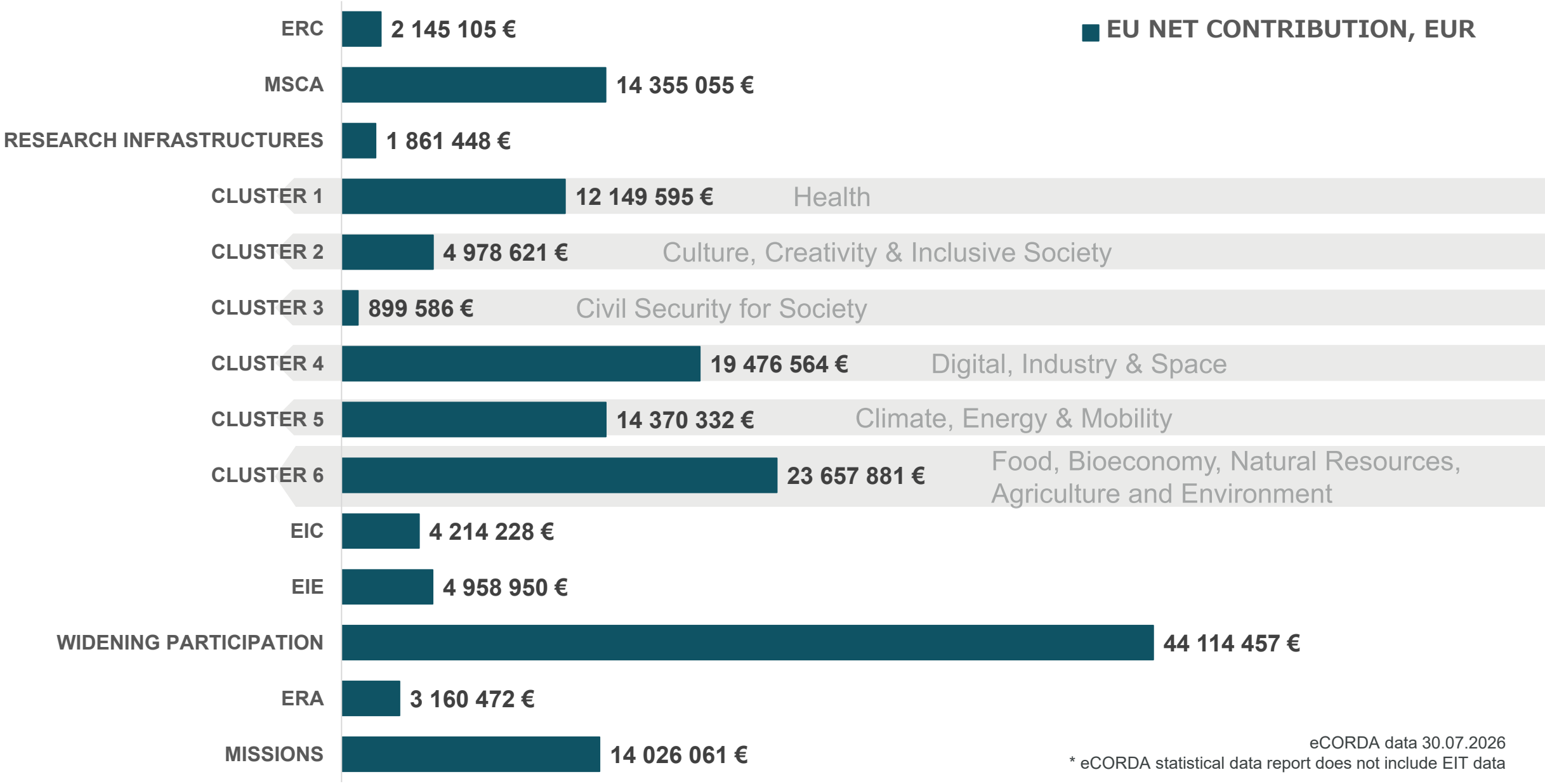
534
PARTNERS

164,5 M € EU FUNDING

eCORDA data 30.07.2026

* eCORDA statistical data report does not include EIT data

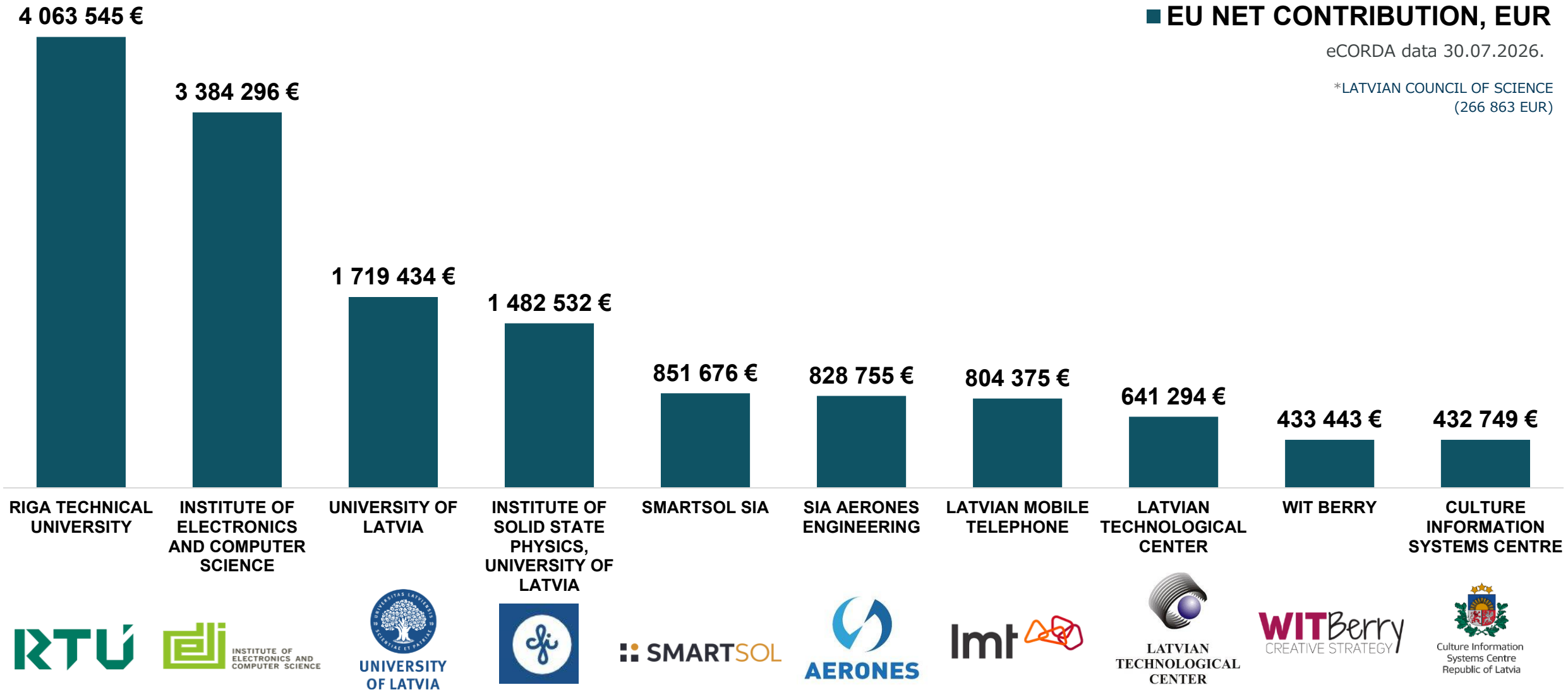
EU FUNDING ATTRACTED BY LATVIAN PARTICIPANTS TO HORIZON EUROPE SUB-PROGRAMMES



eCORDA data 30.07.2026
* eCORDA statistical data report does not include EIT data

TOP CLUSTER 4 LATVIA PARTICIPANTS

DIGITAL, INDUSTRY AND SPACE



LATVIA'S CONTRIBUTION TO DIGITAL TRANSFORMATION, INDUSTRY AND SPACE

FOCUS AREAS

- AI factories and scalable infrastructure
- Advanced materials for energy storage
- Robotics for renewable energy maintenance
- Multiscale modelling for hydrogen technologies
- Secure next generation 6G networks
- Digital platforms and data pipelines

STRATEGIC APPROACH

- Advancing **industrial dual-use applications** for digital enabling technologies
- **End-users and industry involvement** (manufacturers, energy & space operators)
- **Access to European AI factories**, **HPC** and **testing infrastructures**
- Strategic **autonomy in materials and critical technologies**

CLUSTER 4 FORTHCOMING DIGITAL CALLS 2027

OPENS 17 NOVEMBER 2026 | DEADLINE 18 MARCH 2027

Overall planned budget: **€297M**

HORIZON-CL4-2027-04-DATA-08 — IA

Demand-side 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure

€38M

HORIZON-CL4-2027-04-DATA-03 — RIA

New approaches for decentralized, federated and sustainable AI data processing

€35M

HORIZON-CL4-2027-04-DATA-09 — IA

Energy efficiency and sustainability of AI data processing in Data Centres

€39M

HORIZON-CL4-2027-04-DIGITAL-EMERGING-11 — RIA

EU Frontier AI Initiative: Developing frontier AI solutions that are safe and computationally efficient within Apply AI

€44M

HORIZON-CL4-2027-04-DIGITAL-EMERGING-04 — RIA

Apply AI: Challenge-Driven AI Innovation Booster in Apply AI prioritised sectors

€42M

HORIZON-CL4-2027-04-DIGITAL-EMERGING-05 — IA

Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption

€18M

HORIZON-CL4-2027-04-DIGITAL-EMERGING-06 — IA

International cooperation in AI

€3M

HORIZON-CL4-2027-05-DIGITAL-EMERGING-03 — RIA

Advanced integrated photonic devices for extended features and ultra-low power consumption

€25M

HORIZON-CL4-2027-04-DIGITAL-EMERGING-10 — CSA

Horizon scanning and foresight in future enabling digital technologies

€4M

HORIZON-CL4-2027-04-HUMAN-01 — RIA

Advanced and Innovative hardware components for Virtual Worlds

€39M

HORIZON-CL4-2027-04-HUMAN-02 — CSA

Create a thriving and competitive Virtual Worlds and Web 4.0 ecosystem

€3M

HORIZON-CL4-2027-04-HUMAN-07 — CSA

Facilitate the engagement of European stakeholders in international digital standardisation

€7M

ALL TOPIC ID LINK DIRECTLY TO THE EU FUNDING & TENDERS PORTAL • PHOTONICS TOPIC UNDER SEPARATE CALL **HORIZON-CL4-2027-05**

STATISTICS

- Highlights the **success and impact of previously funded Horizon Europe projects**
- **Reveals the most promising topics and research areas** from past calls
- **Helps applicants evaluate competition levels** in their domain before applying



STATISTICS 2026

DEVELOPING AN AGILE AND SECURE SINGLE MARKET AND INFRASTRUCTURE FOR DATA-SERVICES AND TRUSTWORTHY ARTIFICIAL INTELLIGENCE SERVICES

TELCO-EDGE-CLOUD CONTINUUM/ 3C NETWORK (CONNECTED COLLABORATIVE COMPUTING) AND OPEN INTERNET STACK | DATA

Call	Topic		Type of action	Proposals	Projects funded	Scores	Success ratio, %
HORIZON-CL4-2026-04-DATA	02	Open Internet Stack Sovereign Solutions	RIA	30	3	14.00 to 14.50	10.0
	03	Open Internet Stack Support for Scale	CSA	4	1	14.00	25.0
	06	Efficient and compliant access to and use of data	IA	58	3	14.50 to 15.00	5.2

STATISTICS 2026

ACHIEVING OPEN STRATEGIC AUTONOMY IN DIGITAL AND EMERGING ENABLING TECHNOLOGIES

AI CONTINENT | PHOTONICS | SEMICONDUCTORS

Call	Topic		Type of action	Proposals	Projects funded	Scores	Success ratio, %
HORIZON-CL4-2026-04-DIGITAL-EMERGING	01	Apply AI: Pilot of the “Science for AI” Pillar of RAISE (“Resource for AI science in Europe”)	RIA	2	1	12.50	50.0
	08	Apply AI: Robotics for Manufacturing: Advancing Core Skills through Technical Challenges	RIA	5	1	14.50	20.0
	09	Advanced Local Digital Twins using AI for Early Warning and Preparedness	IA	39	1	14.50	2.6
	14	Networking and Future Photonics Strategy	CSA	1	1	11.50	100
	15	Strengthening the cooperation of semiconductor-intensive EU regions	CSA	1	1	13.50	100

STATISTICS 2026

ACHIEVING OPEN STRATEGIC AUTONOMY IN DIGITAL AND EMERGING ENABLING TECHNOLOGIES

AI CONTINENT | OTHER EMERGING TECHNOLOGIES

Call	Topic		Type of action	Proposals	Projects funded	Scores	Success ratio, %
HORIZON-CL4-2026-04-DIGITAL-EMERGING	17	Fostering 2-Dimensional Materials (2DM) based emerging and enabling technologies	CSA	1	1	12.50	100.0
	19	Challenge-Driven GenAI4EU Booster in Apply AI prioritised sectors	RIA	16	3	13.50 to 14.50	18.8

STATISTICS 2026

DIGITAL AND INDUSTRIAL TECHNOLOGIES DRIVING HUMAN-CENTRIC INNOVATION

VIRTUAL WORLDS

Call	Topic		Type of action	Proposals	Projects funded	Scores	Success ratio, %
HORIZON-CL4-2026-04-HUMAN	01	Developing and demonstrating core technologies for Virtual Worlds and Web 4.0	IA	104	6	14.50 to 15.00	5.8
	02	Web 4.0 architectural framework and Open Internet Stack applications for virtual worlds	RIA	29	2	13.50 to 14.50	6.9

FUNDAMENTAL PRINCIPLES FOR A CONSORTIUM

HORIZON EUROPE PROJECT CONSORTIUM

I HAVE AN IDEA

1. I **look for partners** who can help me realize it.
2. I **form a core group** to develop the idea into a proposal.
3. We **identify and invite missing niche partners** to fill expertise gaps.

I HAVE SKILLS

1. I **look for a consortium** that needs my skills.

2a. I become **part of the core group** working on proposal

2b. I **join as a niche partner,** providing specialized input

3. I share my CV and commit to my assigned tasks

Consortium submits a project proposal

BUILDING A SUCCESSFUL HORIZON EUROPE CONSORTIUM

Horizon Europe is an impact driven programme!

Projects must show a clear long-term outcome, not just focus on scientific excellence.

Select a field that aligns with your skills and expertise.

Always select the thematic area that best matches your and your organization's expertise.

Start with a desired Horizon Europe call text!

First, read the call text and requirements thoroughly before searching for partners.

Before starting the activities, answer the following questions:

- What is the overall concept of the chosen topical destination?
- How does it relate to the project's impact?
- What are the expected results and outcomes?

Reach out to your National Contact Point

PRACTICAL TIPS

KEY CONSIDERATIONS AND PREPARATIONS FOR FORMING A CONSORTIUM

Administrative procedures

Plan the administrative process thoroughly and well in advance, as it requires significant time and resources.

Financial and legal inquiries

Get specialized consultation from legal and financial parties.

Intellectual property rights

Consider the protection and ownership of intellectual property: who will own what, and how will it be protected?

Apply detailing

Provide a detailed description of the activities, considering how they align with the expected outcomes.

Classify project's activities:

1. Innovation-related activities

2. Markt-related activities

PARTNER SEARCH STRATEGY

Value chain mapping focusing on the end-user

Helpful questions to find the right partner:

1. How will the transition from product to service be carried out?
2. Who will manage the large-scale translation from product to service?
3. Who and how will bring the objectives to the results?
4. Are your organization and your partner's organization competing in the same market?

Seek both the coordinator and all the other related partners simultaneously

Every requirement from the Work programme demands a corresponding partner profile – **start in advance**!

Never take a role that does not fully align with your field or expertise!

LATVIAN RESEARCH & INNOVATION PARTNERS



DIGITAL THEMATIC AREA

- The catalogue of Latvian research and innovation organisations **active in advanced digital technologies**.
- Available on the event platform.
- Use it to **identify potential partners for Horizon Europe Cluster 4 digital calls**.

SCAN TO ACCESS

Access via the link

CLUSTER 4 NATIONAL CONTACT POINTS NETWORKS



Idealist ICT project · 1st

Your Worldwide ICT Support Network

· Contact info

Ideal-ist

https://www.ideal-ist.eu/

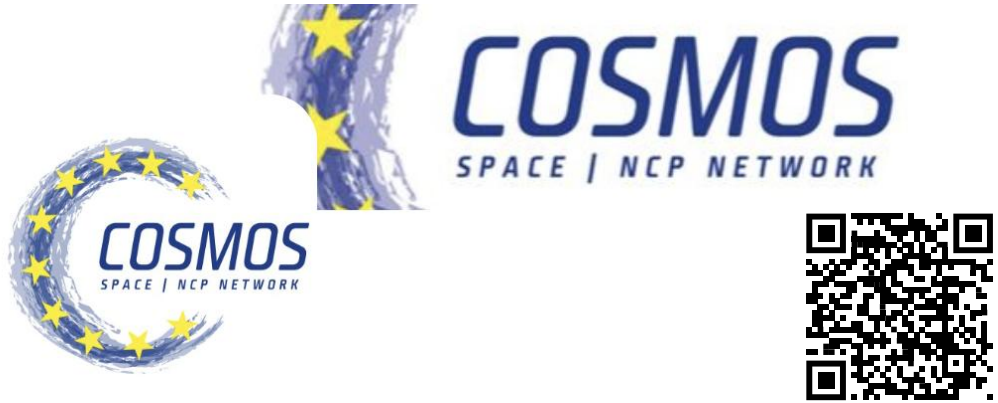


NCP4Industry Plus

Supporting NCPs and applicants in Horizon Europe – Industry (Cluster 4)

Research Services · 1K followers · 51-200 employees

https://ncp4industry.eu/



COSMOS4HEplus

https://www.ncp-space.net/

DISCOVER EU-FUNDED PROJECTS ADVANCING AI, DATA AND ROBOTICS



Download PDF

12 PROJECTS HIGHLIGHTED

#HaDEA

NEAREST TOPICAL EVENTS IN EUROPE 2026-27



Virtual Worlds Annual Forum 2026
02.11 - 03.11.2026
Valencia, Spain



European Quantum Technologies Conference
30.11 - 03.12.2026
Dublin, Ireland



ECS Brokerage Event 2027
17.02 - 18.02.2027
Brussels, Belgium



Eiropean R&I Days
10.11 - 11.11.2026
Brussels, Belgium + *online*



Apply AI Summit
17.11.2026
Brussels, Belgium



EFECS 2026
02.12 - 03.12.2026
Helsinki, Finland



Ideal-ist Full Proposal Check 2027
25.02 - 03.03.2027 *online*

VIRTUAL PARTNERING CONTINUES



- Complete your profile
- Browse other participants
- Send meeting requests
- Create Marketplace opportunities
- Build strong consortium!



b2match

PARTNERING REMAINS OPEN
UNTIL NOVEMBER 10TH

National Contact Point for Horizon Europe

APVĀRSNIS
EIROPA
#NKP



JŪLIJA ASMUSS

Coordinator | Cluster 4 "Digital, Industry and Space"

julija.asmuss@lzp.gov.lv



DARJA AKSJONOVA

Cluster 2 "Culture, Creativity and Inclusive society" | EURAXESS | New European Bauhaus

darja.aksjonova@lzp.gov.lv



LĀSMA BRENČA

Cluster 5 "Climate, Energy and Mobility" | Cluster 6 "Food, Bioeconomy, Natural Resources, Agriculture and Environment"

lasma.brenca@lzp.gov.lv



LĪVA JIRGENSONE

Legal and Financial aspects

liva.jirgensone@lzp.gov.lv



INGA ŠĪRANTE

Legal and Financial aspects

inga.sirante@lzp.gov.lv



DACE SĪLE

European Research Council (ERC) | Research infrastructures (RI)

dace.sile@lzp.gov.lv



INGRĪDA LAVRINOVIČA

Cluster 3 "Civil security for society" | Cluster 4 "Digital, Industry and Space"

ingrida.lavrinovica@lzp.gov.lv



MARIJA KIRŠTEINE

EU Missions

marija.kirsteine@lzp.gov.lv



LIENE KAIRIŠA

Marie Skłodowska-Curie Actions (MSCA)

liene.kairisa@lzp.gov.lv



JĀNIS ANCĀNS

Cluster 1 "Health" | Cancer Mission | Widening participation (and spreading excellence) and strengthening the European Research Area

janis.ancans@lzp.gov.lv



AIGA MAZURENKO

Cluster 5 "Climate, Energy and Mobility" | Cluster 6 "Food, Bioeconomy, Natural Resources, Agriculture and Environment"

aiga.mazurenko@lzp.gov.lv



MARIJA PLOTNIECE

European Innovation Council (EIC) | European Innovation Ecosystems (EIE) | European Institute of Innovation and Technology (EIT)

marija.plotniece@lzp.gov.lv



RITVARS VESTMANIS

European Innovation Ecosystems (EIE) | European Institute of Innovation and Technology (EIT)

ritvars.vestmanis@lzp.gov.lv

THANK YOU!



Latvijas Zinātnes padome

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