

Apvārsnis Eiropa 6. klasteris

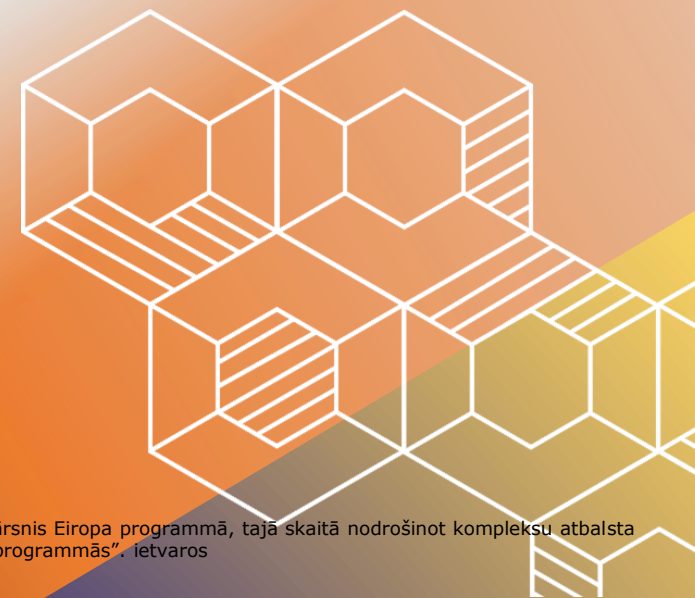
«Pārtika, bioekonomika, dabas resursi, lauksaimniecība un vide»

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Apvārsnis Eiropa struktūra

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



Pillar III INNOVATIVE EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center



APVĀRSNIS
EIropa

#NKP

Apvārsnis Eiropa Nacionālais kontaktpunkts



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and Space"

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**DARJA
AKSJONOVA**

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

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LĀSMA BRENČA

Cluster 5 "Climate, Energy and
Mobility" | Cluster 6 "Food,
Bioeconomy, Natural Resources,
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DACE SĪLE

European Research Council
(ERC) | Marie Skłodowska-Curie
Actions (MSCA)

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**INGRĪDA
LAVRINOVIČA**

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

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**MARIJA
KIRŠTEINE**

EU Missions

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INGA ŠĪRANTE

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JĀNIS ANCĀNS

Cluster 1 "Health" |
Cancer Mission | Widening
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AIGA SALMIŅA

Cluster 5 "Climate, Energy and
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Bioeconomy, Natural Resources,
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**MARIJA
PLOTNIECE**

European Innovation Council (EIC) |
European Innovation Ecosystems
(EIE) | European Institute of
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Sociālie mediji:

 <https://www.facebook.com/HEncplv>

 <https://x.com/apvarsnis>

 <https://www.linkedin.com/company/nkplv/>



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APVĀRSNIS EIROPA DARBA PROGRAMMAS 2025. GADAM



EN

Work Programmes 2025

- Research infrastructures
- Cluster 1 'Health'
- Cluster 2 'Culture, creativity and inclusive society'
- Cluster 3 'Civil Security for Society'
- Cluster 4 'Digital, Industry and Space'
- Cluster 5 'Climate, Energy and Mobility'
- Cluster 6 'Food, Bioeconomy Natural Resources, Agriculture and Environment'
- European innovation ecosystems
- Widening participation and strengthening the European Research Area
- EU Missions
- New European Bauhaus Facility
- Marie Skłodowska Curie Actions (MSCA) 2023-2025

Horizon Europe

Work Programme 2025

*9. Food, Bioeconomy, Natural Resources, Agriculture and
Environment*

(European Commission Decision C(2025) 2779 of 14 May 2025)



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Kas ir Darba programma (Work Programme)?

Darba programma ir **stratēģisks dokuments**, kas nosaka ES pētniecības un inovāciju programmas "Apvārsnis Eiropa" darbības virzienus un prioritātes konkrētā laika posmā.

Tā kalpo kā **ceļvedis dalībniekiem**, palīdzot izprast programmas mērķus un pieteikšanās nosacījumus.

Ko var atrast Darba programmā?

Prioritātes un mērķi

Tematiskie virzieni un mērķi, kas saistīti ar pētniecību un inovācijām.

Politiskās prioritātes, kas atbilst ES stratēģiskajiem mērķiem.

Projektu konkursi

Detalizēts konkursu saraksts ar specifiskiem tematiem

Finansējuma veidi un pieejamie resursi

Informācija par projektu veidiem un finansējuma apjoms un nosacījumi.



EN

Horizon Europe

Work Programme 2023-2025

*9. Food, Bioeconomy, Natural Resources, Agriculture and
Environment*

(European Commission Decision C(2024) 2371 of 17 April 2024)



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Konsorcija veidošanas pamatprincipi

Minimālās prasības konsorcijam

Vismaz 3 partneri no dažādām valstīm (1 no ES + 2 no citām ES vai asociētajām valstīm).

Viens partneris ir koordinators – atbildīgs par projekta vadību.

! Biežākā klūda – piesaistīt tikai zināmus partnerus, neņemot vērā projekta reālās vajadzības

Vispirms nosakiet, kas nepieciešams projektam – kādas prasmes un zināšanas ir vajadzīgas?

Izstrādājjiet skaidru darba plānu, lai parādītu, kā partneri strādās kopā.

Pēc tam atlasiet **partnerus, kas vislabāk atbilst**

projekta mērķiem –

tikai tad iesaistiet zināmos kontaktus.

**Building a Consortium in Horizon Europe – Don't Bring
Your Friends!**



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Konsorcija veidošana

Ko ņemt vērā?

Ģeogrāfiskais pārklājums: Nodrošiniet, ka konsorcijā ir pārstāvētas dažādas valstis.

Komplementaritāte: Apvienojiet dažādu veidu institūcijas un ekspertīzes jomas.

MVU un industrija: Iesaistiet mazus un vidējus uzņēmumus, kā arī nozares partnerus, lai palielinātu projekta ietekmi un rezultātu izmantošanu.

Pieredzējuši partneri: Iekļaujiet partnerus ar pieredzi ES projektu īstenošanā.

*** Padoms:** Ja konkursā plānots finansēt tikai vienu projektu – rīkojieties ātri!





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Projektu veidi

	Eligible activities	Maximum funding rate	Page limit (single stage and second stage)
Research and Innovation Action (RIA)	Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.	100%	45 pages LS: 50 pages
Innovation Action (IA)	Activities to produce plans and arrangements or designs for new, altered or improved products, processes or services.	70% (non-profit legal entities: 100%)	45 pages LS: 50 pages
Coordination and Support Actions (CSA)	Activities that contribute to the objectives of Horizon Europe. This excludes R&I activities	100%	30 pages LS: 33 pages
Programme Co-fund Actions (CoFund)	A programme of activities established or implemented by legal entities managing or funding R&I programmes, other than EU funding bodies.	Between 30% and 70%	70 pages



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6. klastera darba programma

Stratēģiskie dokumenti un politikas mērķi

European Green Deal

Stratēģija nosaka Eiropas Savienības mērķi kļūt par klimatneitrālu kontinentu līdz 2050. gadam, veicinot ilgtspējīgu ekonomikas izaugsmi un resursu efektīvu izmantošanu.

EU Biodiversity Strategy for 2030

Mērķēts uz bioloģiskās daudzveidības saglabāšanu un atjaunošanu, lai nodrošinātu veselīgas un noturīgas ekosistēmas.

EU Farm to Fork Strategy

Stratēģija koncentrējas uz ilgtspējīgu pārtikas sistēmu izveidi, nodrošinot veselīgu un pieejamu pārtiku, vienlaikus samazinot ietekmi uz vidi.

Circular Economy Action Plan

Veicina bioekonomikas attīstību, balstoties uz atjaunojamiem bioloģiskiem resursiem un aprites ekonomikas principiem.

EU Zero Pollution Action Plan

Mērķis ir samazināt gaisa, ūdens un augsnes piesārņojumu līdz tādām līmenim, kas vairs netiek uzskatīts par kaitīgu veselībai un dabiskajām ekosistēmām.

EU Soil Strategy for 2030

Mērķis aizsargāt un atjaunot augsni, nodrošinot tās ilgtspējīgu izmantošanu. Redzējums, kā līdz 2050. gadam panākt veselīgu augsni, un kādi konkrēti pasākumi līdz 2030. gadam paredzēti.





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Tematiskie virzieni 6. klāstera 2025. gada darba programmā ir:



Biodiversity and ecosystem services – mērķē uz zināšanu uzlabošanu un inovācijām, lai aizsargātu un atjaunotu veselīgas ekosistēmas.



Fair, healthy and environment-friendly food systems from primary production to consumption– mērķis ir padarīt lauksaimniecības, zivsaimniecības un pārtikas sistēmas ilgtspējīgākas, izturīgākas un videi draudzīgākas.



Circular economy and bioeconomy sectors– veicina pāreju uz aprites ekonomiku un ilgtspējīgu bioekonomiku, lai samazinātu atkritumus un palielinātu resursu efektivitāti.



Clean environment and zero pollution– koncentrējas uz ekoloģiski tīru vidi, risinot problēmas ar ūdens, gaisa un augsnes piesārņojumu.



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Tematiskie virzieni 6. klāstera 2025. gada darba programmā ir:



Land, ocean and water for climate action– pētījumi un inovācijas, kas stiprina ūdens un sauszemes resursu noturību klimata pārmaiņām.



Resilient, inclusive, healthy and green rural, coastal and urban communities– mērķē uz lauku, piekrastes un pilsētu teritoriju noturību un dzīves kvalitātes uzlabošanu.



Innovative governance, environmental observations and digital solutions in support of the Green Deal– izstrādā pārvaldības un digitālos modeļus, kas atbalsta Eiropas Zaļā kursa mērķus un ekoloģisko pāreju

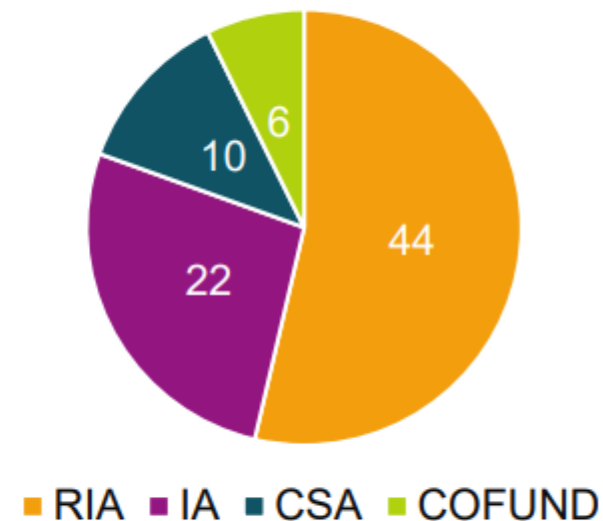


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Tematiskie virzieni, budžets

	# Topics	Budget (M EUR)	# Expected grants
Destination 1 'BIODIV'	12	175.0	24
Destination 2 'FARM2FORK'	22	295.0	37
Destination 3 'CIRCBIO'	16	150.0	29
Destination 4 'ZEROPOLLUTION'	8	68.0	12
Destination 5 'CLIMATE'	6	94.5	13
Destination 6 'COMMUNITIES'	4	37.0	6
Destination 7 'GOVERNANCE'	14	129.4	22
TOTAL	82	948.9	143

Type of Action (# topics)





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Projektu iesniegšanas datumi

Call Deadlines	Calls	# Topics
04 September 2025/ 18 February 2026	HORIZON-CL6-2025-01-two-stage (BIODIV, CIRCBIO, ZEROPOLLUTION)	4
	HORIZON-CL6-2025-02-two-stage (FARM2FORK, CLIMATE)	6
16 September 2025	HORIZON-CL6-2025-02 (FARM2FORK, CLIMATE, COMMUNITIES)	26
17 September 2025	HORIZON-CL6-2025-01 (BIODIV, CIRCBIO, ZEROPOLLUTION)	32
24 September 2025	HORIZON-CL6-2025-03 (GOVERNANCE)	14



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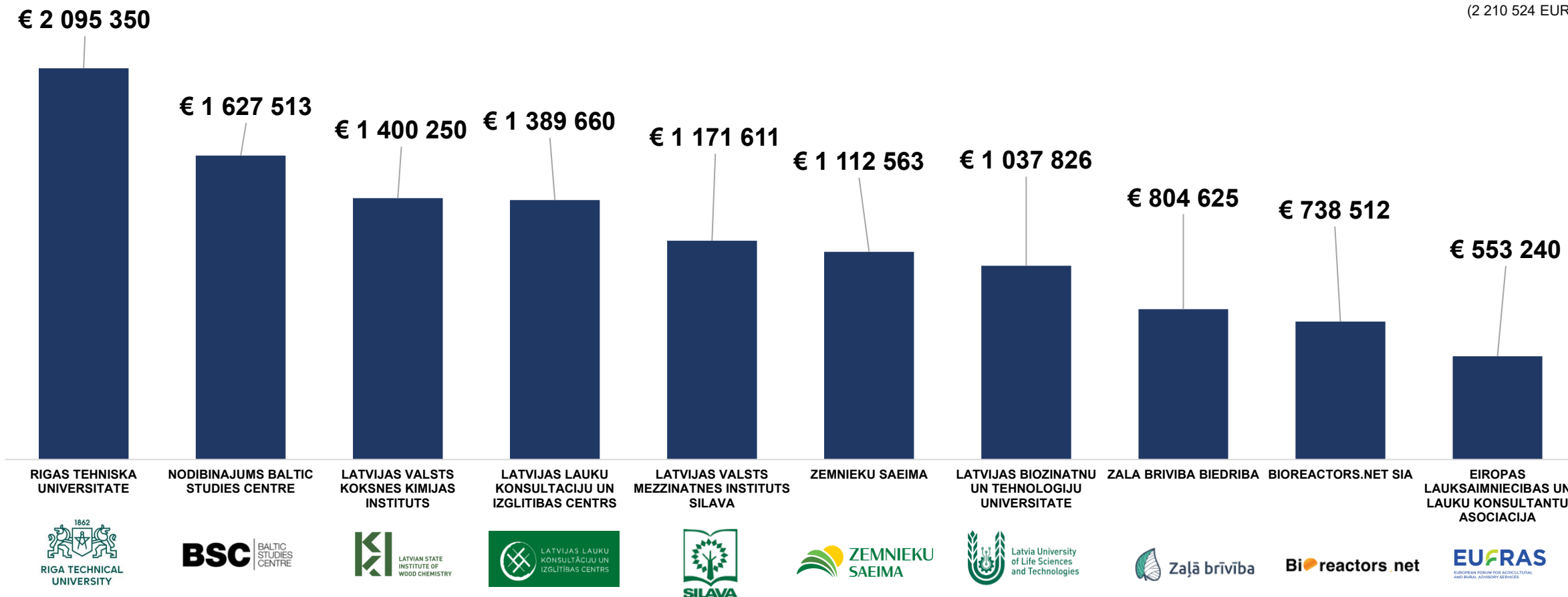
TOP 10 DALĪBNIEKI 6. KLAŠTERĪ

(IESKAITOT TEMATISKĀS PARTNERĪBAS)

■ EU NET CONTRIBUTION, EUR

eCORDA data 14.04.2025.

*LATVIAN COUNCIL OF SCIENCE
(2 210 524 EUR)





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Bioreactors.net



TOP 5 LATVIAN PROJECTS IN CLUSTER 6

(IESKAITOT TEMATISKĀS PARTNERĪBAS)

Role	Project	EU FUNDING, EUR	Section
COORDINATOR	CIRCLEUP	1255350	CIRCBIO
PARTICIPANT	TexMat	804625	CIRCBIO
PARTICIPANT	Zest	738512	CBE
PARTICIPANT	Zest	650625	CBE
PARTICIPANT	CELLFIL	590000	CIRCBIO



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APVĀRSNIS EIROPA KONKURSU APKOPOJUMS

- Nacionālais kontaktpunkts sagatavoja aktuālo Apvārsnis Eiropa konkursu apkopojumu.
- Konkursiem kas jau ir nopublicēti Funding & Tenders portal apkopojumā pievienojām linkus.

Opening date: 06 May 2025 Deadline: 17 Sep 2025

Topic	Title	Type of action	EU contribution per project (EUR million)	Number of projects to be funded
HORIZON-CL6-2025-01-BIODIV-01	Additional activities for the European Biodiversity Partnership: Biodiversa+	COFUND	60	1
HORIZON-CL6-2025-01-BIODIV-02	Strengthening the capacity of citizen science in biodiversity observation	CSA	4	1
HORIZON-CL6-2025-01-BIODIV-03	Strengthening taxonomic approaches for biodiversity	RIA	12	2
HORIZON-CL6-2025-01-BIODIV-04	Large-scale in situ biodiversity observations for better understanding of biodiversity state, drivers of its decline and impacts of policies	RIA	11	2
HORIZON-CL6-2025-01-BIODIV-05	Assessing and modelling ecosystems' dynamic processes to guide restoration activities and to improve models used for climate	RIA	6	3
HORIZON-CL6-2025-01-BIODIV-06	Assessing and modelling socio-economic impacts of nature restoration	RIA	5-6	3
HORIZON-CL6-2025-01-BIODIV-07	Integrated and coordinated approaches for coral reefs and associated ecosystems (mangroves and seagrass beds) conservation, restoration, and climate mitigation and adaptation	RIA	6	2

[Funding and Tenders Portal](#)

EU Funding & Tenders Portal

[Home](#) [Funding](#) [Procurement](#) [Projects & results](#) [News & events](#) [Work as an expert](#) [Guidance & documents](#)

Home > Funding > Calls for proposals

Calls for proposals

Calls for proposals are funding opportunities issued by the European Union institutions, agencies and bodies. The party beneficiaries (e.g., research organisations, public entities, non-governmental organisations, and private com

[More details](#)

Filters

Quick search

239 item(s) found

Programme Horizon Europe (HORIZON)

2021 - 2027

Horizon Europe (HORIZON)

Call

Submission status

All filters

Partner search announcements

105

Searches of partners to collaborate on this topic

[View / Edit](#)

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal, as well as any user having an active public Person profile

European Researchers' Night and Researchers at Schools 2026-2027

HORIZON-MSCA-2025-CITIZENS-01-01 | Call for proposal

Opening date: 17 June 2025 | Next deadline: 22 October 2025 | Single-stage

Programme: Horizon Europe (HORIZON) | Type of action: HORIZON Coordination and Support Actions

MSCA Staff Exchanges 2024

HORIZON-MSCA-2024-SE-01-01 | Call for proposal

Opening date: 19 September 2024 | Next deadline: 05 February 2025 | Single-stage

[NKP izveidotais konkursu apkopojums](#)



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Ietekmes (Impact) sadaļai jāpievērš vēl lielāka uzmanība nekā iepriekš!

Lielāks uzsvars uz rezultātu izmantošanu reālajā dzīvē

Eiropas Komisija tagad **stingrāk vērtē**, kā projekts nonāks **no pētniecības līdz reālai ietekmei** – gan politikā, gan tirgū, gan sabiedrībā.

Vienkārša rezultātu izstrāde vairs nav pietiekama – jāparāda, kā tie **tiks pielāgoti, izmantoti un ievērojami ietekmēs** nozares un sabiedrību.

Stratēģisko mērķu sasaiste obligāta

Projektiem skaidri jāparāda, kā tie atbalsta:

- **Eiropas Zaļo kursu,**
- **Parīzes nolīguma** saistības,
- **Ilgspējīgas attīstības mērķus (SDG).**

Bez skaidras sasaistes ar šiem dokumentiem **projekta ietekmes apraksts var tikt uzskatīts par nepietiekamu**

 Impact sadaļā projektam skaidri jāpierāda, kā tas palīdzēs sasniegt Eiropas klimata, enerģētikas un mobilitātes mērķus, uzlabos sabiedrības dzīvi, un kā tā rezultāti tiks plaši izmantoti un ieviesti praksē.

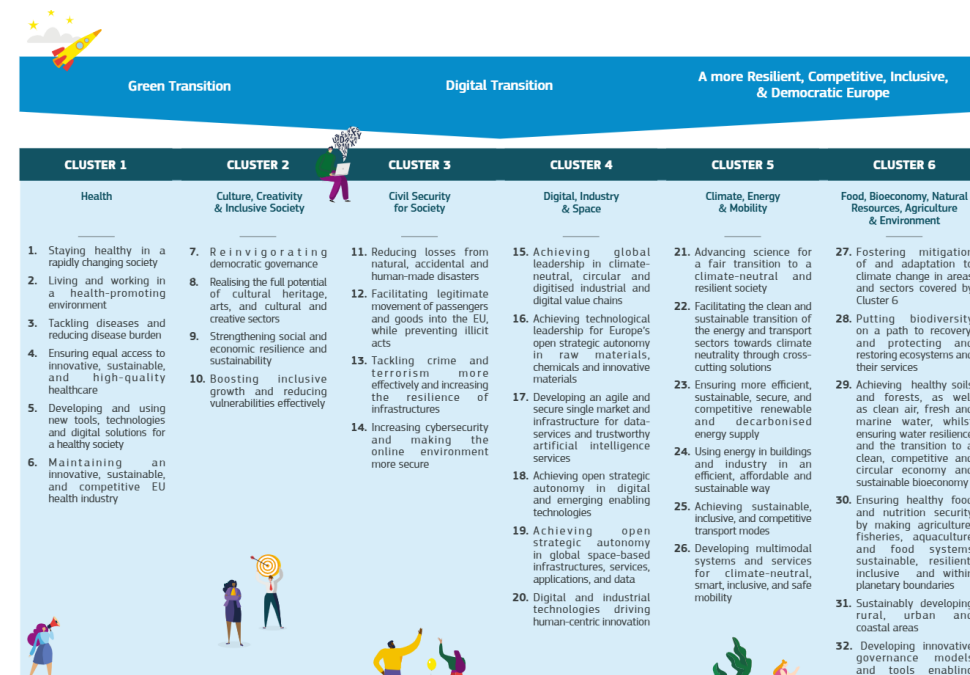


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Stratēģiskais plāns

Galvenie virzieni:

- **Green Transition:** Koncentrējas uz ilgtspējīgiem klimata un vides mērķiem, lai līdz 2050. gadam Eiropa kļūtu par pirmo klimatneitrālo kontinentu.
- **Digital Transition:** Uzlabo konkurētspēju, veicot ieguldījumus digitālajās tehnoloģijās, mākslīgajā intelektā un kibernetiķībā.
- **Resilience and Inclusiveness:** Veicina demokrātisku, konkurētspējīgu un iekļaujošu Eiropu, risinot veselības, drošības un ekonomikas problēmas.



Stratēģiskais plāns





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No sagaidāmās ietekmes līdz tematiskajam virzieniem

Expected impact (Strategic Plan 2025-2027)	Destination (Cluster 6 work programme)
27. Fostering mitigation of and adaptation to climate change in areas and sectors covered by Cluster 6.	Destination 5: Land, oceans and water for climate action
28. Putting biodiversity on a path to recovery , and protecting and restoring ecosystems and their services.	Destination 1: Biodiversity and ecosystem services
29. Achieving healthy soils and forests , as well as clean air, fresh water and marine water, whilst ensuring water resilience and the transition to a clean, competitive and circular economy and sustainable bioeconomy.	Destination 3: Circular economy and bioeconomy sectors Destination 4: Clean environment and zero pollution
30. Ensuring healthy food and nutrition security by making agriculture, fisheries, aquaculture and food systems sustainable , resilient, inclusive and within planetary boundaries.	Destination 2: Fair, healthy and environmentally friendly food systems from primary production to consumption
31. Sustainably developing rural, urban and coastal areas .	Destination 6: Resilient, inclusive, healthy and green rural, coastal and urban communities
32. Developing innovative governance models and tools enabling sustainability and resilience.	Destination 7: Innovative governance, environmental observations and digital solutions in support of the Green Deal



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TABLE OF CONTENTS

INTRODUCTION.....	3
Executive Summary.....	4
How was the second strategic plan developed?.....	9
What is new in the second strategic plan?.....	10
Key strategic orientations for research and innovation.....	12
How will the pillars of Horizon Europe help deliver on the key strategic orientations?	17
Pillar II – Global challenges and European industrial competitiveness.....	17
Pillar III – Innovative Europe.....	27
Widening participation and strengthening the European Research Area.....	29
European Partnerships.....	32
Missions.....	34
International Cooperation.....	35
Research Security	38
Specific Issues.....	39
Balance between research and innovation.....	39
The integration of social sciences and humanities.....	40
The role of key enabling technologies in science, innovation and strategic value chains.....	40
Gender equality and inclusiveness, including the integration of gender concerns into R&I.....	41
Ethics and integrity.....	41
Dissemination and exploitation of results.....	42
Social innovation.....	44
Synergies	46
Spending strategies for EU policy priorities	48
Clusters	
1. Health.....	50
2. Culture, Creativity & Inclusive Society.....	62
3. Civil Security for Society.....	73
4. Digital, Industry & Space.....	89
5. Climate, Energy & Mobility.....	106
6. Food, Bioeconomy, Natural Resources, Agriculture & Environment.....	120

CLUSTER IMPACT SUMMARY

R&I in Cluster 6 is one of the key enablers to developing, demonstrating and upscaling the solutions needed to navigate the necessary transitions to a sustainable future underpinned by the European Green Deal. Cluster 6 supports the ambition of Europe to become the first climate-neutral and climate-resilient continent by 2050, taking into account the current political, legal and economic context, with a long-term vision for a greener, fairer, more resilient society ensuring that no person or place is left behind.

HOW WILL CLUSTER 6 MAKE A DIFFERENCE?

Expected impacts

Cluster 6 will programme investment to achieve the below expected impacts.

27. Fostering mitigation of and adaptation to climate change in areas and sectors covered by Cluster 6

Cluster 6 contributes significantly to the objectives enshrined in the European Climate Law and the 'Fit for 55' package⁹⁶ by bringing transformative changes and increasing sustainability and efficiency in the use of natural resources on land and at sea, while maintaining food safety and security and without harming biodiversity and people. Thanks to R&I, climate adaptation and mitigation – including loss and damage – will be supported by environmental observations, by taking advantage of progress on artificial intelligence, and in accordance with climate prediction models. Ecosystem restoration activities increasing biodiversity and their



CARE4BIO



Cluster 5 (Climate, Energy, Mobility) topics relevant for Cluster 6

National Contact Points covering two Clusters (Cluster 5 and Cluster 6) have compiled this list of open and forthcoming topics from Cluster 5 Work Programme 2025 Calls, that may be of interest to Cluster 6 applicants. The selected topics cover climate sciences and responses, as well as environmental and circularity aspects of batteries, renewable energy technologies, transport solutions, mobility services and more. For official information, always refer to the European Commission’s website.



Partnerships

Within cluster 6 there are 8 partnerships. They bring European Commission and private and/or public partners together to address some of Europe’s most pressing challenges through concerted research and innovation initiatives.



EU Missions

EU Missions are a new way to bring concrete solutions to some of our greatest challenges. They have ambitious goals and will deliver concrete results by 2030. They will deliver impact by putting research and innovation into a new role, combined with new forms of governance and collaboration,...



Other Programs

Other EU funding programs related to cluster 6, including LIFE, PRIMA, EIT Food and more

Plašāka informācija pieejama [šeit](#)



Put yourself in the shoes of an evaluator of your Multi-Actor Approach project proposal



ROADSHOW Nordic Testbed Network



Mission Soil Living Labs and Soil Literacy: Empowering Communities for Healthy Soils

Proposal Strategy Canvas – Horizon Europe Cluster 6 2025

Use this canvas to quickly frame your proposal based on the Horizon Europe call topic. Fill this out in your group and prepare to pitch your concept briefly.

Proposal Strategy Canvas- – Horizon Europe Cluster 6			
Call Identifier and Destination:			
Title of the Project (Working Title):			
Expected Outcomes (From Call): - - -		Problem Addressed / Relevance to EU Priorities (Briefly state how your project addresses the need to improve) - - -	
Keywords (From Topic): - - -		Core Innovation or Concept Idea (What is your innovative approach? TRL if applicable) - - -	
Expected Impacts: - - -		Type of Action (RIA, IA, CSA) - - -	
Key Challenges or Risks Identified: - - -		Questions for Further Development: - - -	
Key Partners & Roles			
Partner type	Country/Geographic	Role/Expertise	Expected outcomes (from the topic)



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NODERĪGA INFORMĀCIJA PROJEKTU PIETEIKUMA SAGATAVOŠANĀ

Cluster 6- Anotētās veidnes (RIA, IA, CSA):

Ar komentāriem un paskaidrojumiem par pieteikuma izstrādi.



[Skatīt veidnes](#)

Cluster 6- Politikas datubāze:

Dokumenti par prioritātēm tēmās kā pārtika, augsne, bioloģiskā daudzveidība, u.c.



[Skatīt datubāzi](#)

BUJ / FAQ sadaļa

Noderīga vietne, kur atrast ātras atbildes par RI, pieteikšanās procesu, atbilstību u.c. jautājumiem.



[Atbildes uz biežāk uzdotajiem jautājumiem](#)



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[WIDERA Pre-screening portal](#)

- Latvijas Zinātnes padome kopā ar NCP_WIDERA.NET projekta partneriem piedāvā iespēju izmantot ekspertu datu bāzi, lai iesniegtu **projekta pieteikumus priekšpārbaudei**.
- Iesniegt savu pieteikumu priekšpārbaudei var tikai **darba pakas vadītājs** vai projekta **koordinators**.
- Lai pieteiktos, dodies uz tīmekļa vietni - <https://wideraexperts.eu/>



PROJEKTA PIETEIKUMA PRIEKŠPĀRBAUDE

NCP_WIDERA.NET

Register as an Applicant

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E-mail *

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The password must consist of minimum 8 characters including one uppercase letter and one special character or number.

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IZVEIDO ONEPAGER

- Onepger piemērs [LZP mājaslapā](#)
- **Vēlies izveidot veiksmīgu one-pager?** Sazinies ar NKP—
Elīna Gulbe Tev palīdzēs: elina.gulbe@lzp.gov.lv
- **Prezentāciju** par veiksmīga one-pager izveidi atradīsi [šeit](#):

2024. gada Apvārsnis Eiropa informatīvie pasākumi

- Nacionālais kontaktpunkts (NKP) var izplatīt tavu one-pager visu Eiropas NKP tīklā. **Sazinies ar savu tematisko NKP!**
- Izveidoto one-pager **ņem līdzi uz tīklošanās pasākumiem un konferencēm**. Pēc vērtīgām sarunām nosūti to potenciālajiem partneriem

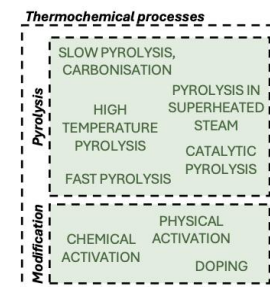


**Latvian State
Institute of
Wood Chemistry**
Thermochemical
Process Group

www.kki.lv

Research scope of the Thermochemical Process Group at the Latvian State Institute of Wood Chemistry

Different thermochemical processes produce a vast array of biomass-based products from wood, lignin and other raw materials. LSIWC is equipped with laboratory and pilot scale equipment for performing various pyrolysis processes, including, catalytic and over-heated steam promoted, as well as hydrothermal carbonisation. Additionally, qualitative and quantitative characterisation of the obtained products is ensured. These processes can be integrated in a cascade biorefinery, and, depending on the process conditions, they provide such products as bio-char, nanostructured carbon materials and pyrolysis liquids (bio-oil), which are a source of valuable chemicals (anhydrosugars, such as, levoglucosan, levoglucosenone, aldehydes, organic acids and phenol derivatives). The obtained carbon materials are also modified by chemical or physical activation, and doping with nitrogen and metals, to promote applications of biomass-based carbon materials for catalysis, as well as energy conversion and storage.



Applications of biomass-based carbon materials:

- > Electrochemical devices – batteries, fuel cells, supercapacitors
- > Bio-electrodes for hydrolysis to obtain hydrogen
- > Activated carbon as a sorbent
- > Support for heterogeneous catalysts
- > Soil amendment and carbon sequestration



We produce carbons on g/kg scale:

- Porous materials with $S_{\text{BET}} > 2000 \text{ m}^2/\text{g}$
- Hard carbon materials
- Biochar for multipurpose applications

Benefits of biomass-based carbon include feedstock availability, low cost, renewability and environmental friendliness. Biomass-based precursors have a hierarchical structure, which also contributes to the formation of the necessary porosity. Carbons are multifunctional materials for sorption, ion-exchange, complexing, electrochemical and catalytic applications.

Liquid pyrolysis products as a source of green chemicals:

- > Anhydrosugars – levoglucosan, levoglucosenone and others
- > Aldehydes, incl., furan derivatives
- > Organic acids, such as, levulinic acid
- > Aromatic compounds (phenolic aldehydes and phenolcarboxylic acids, e.g., vanillin and vanillic acid)



Pamatelementi, kas parasti tiek iekļauti:

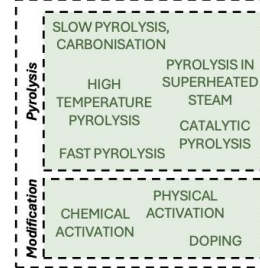
- LOGO
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- KOMANDA
- PADOMDEVĒJI/ ADVISORS
- ORGANIZĀCIJAS NOSAUKUMS
- VIENĀ TEIKUMĀ PATEIKTS VĒRTĪBAS PIEDĀVĀJUMS
- IDEJAS KOPSAVILKUMS
- PROBLĒMA
- JŪSU PRODUKTS/ PAKALPOJUMS
- PIEREDZE/ MILESTONES
- IDEJAS PRIEKŠROCĪBAS



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Thermochemical processes



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DAUGAVPILS UNIVERSITY, LATVIA
Expertise offered: Dynamical systems, Chaos theory
University in a challenging geopolitical region in Baltic States
European values, smart & innovative society for a safe and secure place

ABOUT US: BROAD EXPERTISE IN DIFFERENT FIELDS

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Natural Sciences and Healthcare

SERVICES:
Research and Business Center "REBUS"
Centre of Lifelong Education
UNESCO Chair

RESEARCH INSTITUTES:
Humanities and Social Sciences
Life Sciences and Technology

AGENCIES:
Institute of Aquatic Ecology
Medical College

Students >2200 **Staff > 300** **Partnerships > 150** **Projects > 300** **Publications >3000** **Patents 7**

OUR ONGOING HORIZON EUROPE PROJECTS

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GUIDEPREP:
Growing Up in Digital Europe Preparatory Phase

WHY US? EXPERTISE: DYNAMICAL SYSTEMS, CHAOS THEORY

Since over a decade, our interests lie in the mathematical modeling of network processes demonstrating complex dynamics. Chaos phenomena, attractors and processes of formation of structures in phase-space of systems of equations are at the center of our research. Of special interest are studies leading to the development of concrete methods and devices used to solve relevant tasks. We applied chaos theory e.g., for genetic systems, neural networks and artificial neural networks.

Profiles of researchers:
Prof. Felix Sadyrbaev, ORCID 0000-0001-5074-804X
Dr. math., researcher Inna Samuilika, ORCID 0000-0002-8892-5715

LOOKING FOR PARTNERS AND COLLABORATIONS

We are looking for R&D project coordinators and co-authors from academia interested to generate new ideas together in a multidisciplinary environment.

CONTACT US
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Daugavpils University
Vienības street 13, Daugavpils, LV-5401
E-mail: inna.samuilika@du.lv
Mob. phone: +37128381963
www.du.lv



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Jaunākā informācija par Apvārsnis Eiropa 6. klastera darba programmu (2026–2027)

Kas jauns?

Eiropas Komisija ir publicējusi **jaunāko darba programmas melnrakstu**.

Caurspīdīgums un partneru informētība

Eiropas Komisija cenšas veicināt atklātību un ātrāku iesaisti. Publicējot "**draft**", dalībvalstis, NCP (nacionālie kontaktpunkti), zinātnieki un uzņēmumi var savlaicīgi:

- iepazīties ar gaidāmajām tēmām;
- sākt meklēt partnerus;
- sagatavoties projektu izstrādei.



Pieejams šeit:

[tiešā saite uz dokumentu](#)



Izplatīšana:

Dokuments ir **publisks**, un to var **brīvi dalīt** ar potenciālajiem partneriem un interesentiem.



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INFORMĀCIJAS SAŅEMŠANA

Apvārsnis Eiropa Nacionālais kontaktpunkts grib aktualizēt savus adresātu sarakstus un lūdz Jūs veltīt 2 minūtes sava laika un aizpildīt aptauju:

https://docs.google.com/forms/d/e/1FAIpQLSdn-gzfe7nVfRfKL0HP5ec0Pv2U44PegySLUe0m8evdFO_5iw/viewform

- Pievienojoties adresātu sarakstam saņemsiet informāciju par Apvārsnis Eiropa aktualitātēm, konkursiem, pasākumiem un pieejamiem atbalsta mehānismiem.
- Jebkurā brīdī var atteikties no informācijas saņemšanas aptaujā atzīmējot "Nevēlos turpmāk saņemt informāciju par Apvārsnis Eiropa".



Latvijas Zinātnes
padome

<https://www.lzp.gov.lv/lv/apvarsnis-eiropa>



<https://www.linkedin.com/company/nkplv/>



@Apvārsnis EU Latvijas Nacionālais
kontaktpunkts - HE NCP LV



Latvijas Zinātnes
padome

Lāsma Brenča

Apvārsnis Eiropa
Nacionālā kontaktpunkta
Vecākās ekspertes

Smilšu iela 8, Rīga, LV-1050

E-pasts: lasma.brenca@lzp.gov.lv



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<https://www.lzp.gov.lv/lv/apvarsnis-eiropa>

Paldies!



Līdzfinansē
Eiropas Savienība



Latvijas Zinātnes
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