

Horizon Europe – calls of potential interest for BIO-BASED research

The SLU Grants Office has identified open and upcoming Horizon Europe calls under different themes that may interest SLU researchers. You are welcome to [contact the Grants Office](#) for advice or support if there is a call you find interesting or if you are thinking about leading a proposal.

Please check the [published work programmes](#) or call pages (linked below) for the most up-to-date information.

Call	Action Type	Project Budget (€)	No. Projects	Deadline(s)	
				Stage 1	Stage 2/Full
CLUSTER 1: Health					
HORIZON-HLTH-2024-TOOL-11-02 : Bio-printing living cells for regenerative medicine	RIA	8m	4	-	11-Apr-24
CLUSTER 4: Digital, Industry and Space					
HORIZON-CL4-2024-TWIN-TRANSITION-01-01 : Bio-intelligent manufacturing industries	RIA	5m	5	07-Feb-24	24-Sep-24
HORIZON-CL4-2024-TWIN-TRANSITION-01-38 : Hubs for circularity for industrialised urban peripheral areas	IA	20m	2	-	07-Feb-24
HORIZON-CL4-2024-RESILIENCE-01-36 : Advanced biomaterials for the Health Care	IA	8m	4	07-Feb-24	24-Sep-24
CLUSTER 5: Climate, Energy and Mobility					
HORIZON-CL5-2023-D3-02-01 : Development of near zero-emission biomass heat and/or CHP including carbon capture	RIA	4m	2	-	05-Sep-23
HORIZON-CL5-2023-D3-02-07 : Development of next generation advanced biofuel technologies	RIA	4m	3	-	05-Sep-23
HORIZON-CL5-2023-D3-02-08 : Development of microalgae and/or direct solar fuel production and purification technologies for advanced aviation and/or shipping fuels	RIA	4m	2	-	05-Sep-23
HORIZON-CL5-2024-D3-01-05 : Development of carbon fixation technologies for biogenic flue gases	RIA	4m	2	-	16-Jan-24
HORIZON-CL5-2024-D3-01-10 : Next generation of renewable energy technologies	RIA	3m	9	-	16-Jan-24
HORIZON-CL5-2024-D2-01-04 : Emerging energy technologies for a climate neutral Europe	RIA	2.5m	5	-	18-Apr-24
HORIZON-CL5-2024-D3-02-03 : Development of smart concepts of integrated energy-driven bio-refineries for co-production of advanced biofuels, bio-chemicals and bio-materials	RIA	3.5m	2	-	21-Jan-25
HORIZON-CL5-2024-D3-02-10 : Market Uptake Measures of renewable energy systems	CSA	2m	4	-	21-Jan-25
HORIZON-CL5-2024-D3-02-12 : DACCS (direct air carbon capture/storage)& BECCS (bioenergy carbon capture/storage) for CO2 removal/negative emissions	IA	7m	3	-	21-Jan-25

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CLUSTER 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment					
HORIZON-CL6-2024-CircBio-01-5 : Programmed biodegradation capability of bio-based materials and products, validated in specific environments	RIA	4m	2	-	22-Feb-24
HORIZON-CL6-2024-CircBio-01-6 : Digital information systems for bio-based products	RIA	3m	2	-	22-Feb-24
HORIZON-CL6-2024-CircBio-01-9 : Circular bioeconomy start-up villages A) Food systems transformation <u>OR</u> B) Bio-based sectors, covering biological waste/residues and bio-based materials and products <u>OR</u> C) Employing digital technologies and approaches	CSA	0.8m	3	-	22-Feb-24
HORIZON-CL6-2024-CircBio-01-10 : Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals	RIA	4.5m	2	-	22-Feb-24
HORIZON-CL6-2024-CircBio-02-5-two-stage : Circular design of bio-based processes and products	RIA	4m	2	22-Feb-24	17-Sep-24
HORIZON-CL6-2024-CircBio-02-6-two-stage : From silos to diversity – small-scale bio-based demonstration pilots	IA	5m	3	22-Feb-24	17-Sep-24
HORIZON-CL6-2024-ZEROPOLLUTION-01-2 : Best available techniques to recover or recycle fertilising products from secondary raw materials	CSA	2m	2	-	22-Feb-24
HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage : Innovative technologies for zero pollution, zero-waste biorefineries	RIA	4m	2	21-Feb-24	17-Sep-24
HORIZON-CL6-2024-CLIMATE-01-5 : Climate-smart use of wood in the construction sector to support the New European Bauhaus	RIA	7m	2	-	22-Feb-24
Circular Bio-based Europe (European Partnership – operating under the rules of Horizon Europe)					
HORIZON-JU-CBE-2023-IAFlag-01 : Optimised and integrated wood-based value chains	IA	17m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-IAFlag-02 : Expansion and/or retro-fitting of biorefineries towards higher-value bio-based chemicals and intermediates	IA	17m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-IAFlag-03 : Bio-based packaging materials with improved properties: barrier, food contact, forming, printability, safety, recyclability/ circularity-by-design	IA	17m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-IAFlag-04 : Valorisation of aquatic biomass waste & residues	IA	10m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-01 : Small-scale biorefining in rural areas	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-02 : Production of safe, sustainable, and efficient bio-based fertilisers to improve soil health and quality	IA	7.5m	2	-	20-Sep-23

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HORIZON-JU-CBE-2023-IA-03 : Improve fermentation processes (including downstream purification) to final bio-based products	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-04 : Recycling bio-based plastics increasing sorting and recycled content (upcycling)	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-05 : Development of scalable, safe bio-based surfactants with an improved sustainability profile	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-06 : Selective, sustainable production routes towards bio-based alternatives to fossil-based chemical building blocks	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-IA-07 : High performance, circular-by design, bio-based composites	IA	7.5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-R-01 : Phyto-management; curing soil with industrial crops, utilising contaminated and saline land for industrial crop production	RIA	5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-R-02 : Optimised forest-based value chains for high-value applications and improved forest management	RIA	5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-R-03 : Robust and optimised industrial biotech and chemical/industrial biotech processes	RIA	5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-R-04 : Development of novel, high-performance bio-based polymers and co-polymers	RIA	5m	2	-	20-Sep-23
HORIZON-JU-CBE-2023-R-05 : Pre-normative research to develop standards for biodegradability of bio-based products in controlled and open environments	RIA	5m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-S-01 : EU-wide network of pilot plants and testing facilities, improving SMEs and start-ups' access to scale-up	CSA	1.5m	1	-	20-Sep-23
HORIZON-JU-CBE-2023-S-02 : Supporting the capacity of regions in environmental sustainability assessment for the bio-based sectors	CSA	3m	1	-	20-Sep-23
Widening Participation/Strengthening the European Research Area					
HORIZON-WIDERA-2023-TALENTS-02-01 : ERA (European Research Area) Fellowships	TMA	unit costs	50	-	13-Sep-23
HORIZON-WIDERA-2023-ACCESS-02-01 : Twinning Bottom-Up	CSA	1.5m	80	-	28-Sep-23
HORIZON-WIDERA-2023-ACCESS-02-02 : Twinning Green Deal - <i>climate research, green technologies, renewable energy, sustainable mobility, biodiversity research, sustainable use of natural resources (land, water, air)</i>	CSA	1.5m	20	-	28-Sep-23
HORIZON-WIDERA-2024-TALENTS-02-02 : ERA (European Research Area) Fellowships	TMA	unit costs	50	-	11-Sep-24
Research Infrastructure					
HORIZON-INFRA-2024-DEV-01-01 : Research infrastructure concept development	RIA	3m	5	-	12-Mar-24

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HORIZON-INFRA-2024-TECH-01-01 : R&D for the next generation of scientific instrumentation, tools, methods, solutions for RI upgrade	RIA	10m	7	-	12-Mar-24
European Research Council (ERC) (2024 calls are not published yet – deadlines may change)					
ERC-2024-StG : ERC Starting Grant (2-7 years after PhD)	ERC	1.5m + 1m	-	-	24-Oct-23
ERC-2024-CoG : ERC Consolidator Grant (7-12 years after PhD)	ERC	2m + 1m	-	-	12-Dec-23
ERC-2024-AdG : ERC Advanced Grant (significant research achievements in last 10 years)	ERC	2.5m + 1m	-	-	29-Aug-24
ERC-2024-SyG : ERC Synergy Grant (2-4 PIs with early achievement <u>or</u> 10-year track record)	ERC	10m + 4m	-	-	08-Nov-23
Marie Skłodowska-Curie Actions (MSCA)					
HORIZON-MSCA-2023-PF-01-01 : MSCA Postdoctoral Fellowships 2023	TMA	unit costs	-	-	13-Sep-23
HORIZON-MSCA-2023-CITIZENS-01-01 : European Researchers' Night & Researchers at Schools 2024-2025	CSA	0.3m	50	-	25-Oct-23
HORIZON-MSCA-2023-DN-01-01 : MSCA Doctoral Networks 2023	TMA	unit costs	-	-	28-Nov-23
HORIZON-MSCA-2023-COFUND-01-01 : MSCA COFUND 2023	TMA	unit costs	-	-	08-Feb-24
HORIZON-MSCA-2023-SE-01-01 : MSCA Staff Exchanges 2023	TMA	unit costs	-	-	28-Feb-24
HORIZON-MSCA-2024-PF-01-01 : MSCA Postdoctoral Fellowships 2024	TMA	unit costs	-	-	11-Sep-24
HORIZON-MSCA-2024-DN-01-01 : MSCA Doctoral Networks 2024	TMA	unit costs	-	-	27-Nov-24
HORIZON-MSCA-2024-COFUND-01-01 : MSCA COFUND 2024	TMA	unit costs	-	-	06-Feb-25
HORIZON-MSCA-2024-SE-01-01 : MSCA Staff Exchanges 2024	TMA	unit costs	-	-	05-Mar-25

European Partnerships to monitor:

- > [Circular Bio-based Europe](#)
 - **2023 call open now** (see individual topics listed above)
- > [Clean Energy Transition](#)
 - **2023 call opening in September**. Deadline for pre-proposals: 22-Nov-23
- > [M-ERA.NET](#) (materials and batteries technologies)
- > [EIT InnoEnergy](#)
- > [EIT Raw Materials](#)