



Cross-cluster opportunities from WP 2027

This document has been prepared by the NCP networking projects for Cluster 1 (HNN 3.0), Cluster 4 industry (NCP4Industry Plus), and Cluster 5 (GREENET).

Disclaimer: The topic lists in the respective tables are not exhaustive and should be seen as a first step of finding the best fit for your project idea. We recommend to reach out to your respective thematic National Contact Point in your country or to the NCP networking projects. Please keep in mind that the only legally binding information on Horizon Europe topics can be found on the Funding & Tenders portal.

About HNN 3.0

The EU-funded HNN 3.0 project aims to facilitate transnational cooperation between NCPs, building on the previous H2020 network and maintaining its identity within the NCP and applicant communities in the field of health. The project will focus on providing support services to new and Widening country NCPs and lowering barriers for applicants seeking funding opportunities.

About NCP4Industry Plus

The NCP4Industry Plus network of National Contact Points is the main structure to provide guidance, practical information and assistance on all aspects of participation in Horizon Europe Cluster 4 – Industry. The network includes 20 NCP' hosting organisations established in European Member States and Horizon Europe Associated Countries, with the aim to set the basis of equal and consistent NCPs' services to the industry sector, by fostering the circulation of knowledge, good practices and available opportunities in Horizon Europe among industrial research and innovation communities (e.g. small and medium enterprises (SMEs), large enterprises, academia, research organisations, non-profit organisations, public administrations, and consultancies). For more information: <https://ncp4industry.eu/>



About Greenet

GREENET is the international network of National Contact Points for Cluster 5 “Climate, Energy and Mobility” in Horizon Europe. Bringing together 19 partners across Europe, GREENET strengthens the support NCPs provide to applicants, raises awareness of funding opportunities, and offers practical tools to tackle Cluster 5 challenges. The network also lowers barriers for newcomers and participants from widening countries, while helping build high-quality, inclusive international consortia

For questions, please reach out to:

HNN 3.0: Bruno Mourenza mourenza@apre.it

Caterina Buonocore buonocore@apre.it

NCP4Industry Plus: Christof Haas, c.haas@ptj.de

Michael Wessel, m.wessel@ptj.de

Greenet: Noemi Tesauro, tesauro@apre.it

Miriam De Angelis mdeangelis@apre.it



Table of content

Cluster 1 topics with relation to Cluster 4 (Industrial Technologies)	4
Cluster 1 topics with relation to Cluster 5 (Climate, Energy, Mobility)	5
Cluster 4 topics with relation to Cluster 1 (Health)	6
Cluster 4 topics with relation to Cluster 5 (Climate, Energy, Mobility)	7
Cluster 5 topics with relation to Cluster 1 (Health)	8
Cluster 5 topics with relation to Cluster 4 (Industrial Technologies)	9

Cluster 1 topics with relation to Cluster 4 (Industrial Technologies)

	Manufacturing / Production / Industry 5.0	Energy-inten- sive industries / Process industry	(Advanced) Materials	SSbD
HORIZON-HLTH-2027-01-IND-01 : Development of cell-free protein synthesis platforms for discovery and/or production of biologicals (RIA)				
HORIZON-HLTH-2027-02-IND-02 : Portable and versatile Point-of-care diagnostics (IA)				
HORIZON-HLTH-2027-03-TOOL-02 : Advancing bio-printing of living cells for regenerative medicine (RIA)				
HORIZON-HLTH-2027-01-DISEASE-05 : Development of novel small molecule antiviral therapeutics for pathogens with epidemic potential (RIA)				
HORIZON-HLTH-2027-01-DISEASE-08 : Development of innovative antimicrobials against pathogens resistant to antimicrobials (RIA)				
HORIZON-HLTH-2027-01-ENVHLTH-MISSCLIMA-03 : Tools and technologies to support health adaptation to climate change (PCP)				

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 1 topics with relation to Cluster 5 (Climate, Energy, Mobility)

	Clean technologies / clean manufacturing	Renewable energy	Greenhouse Gas (GHG) emissions	Smart buildings	Energy system integration	Batteries
HORIZON-HLTH-2027-01-ENVHLTH-MISS-CLIMA-03 : Tools and technologies to support health adaptation to climate change (PCP)	Green	Green	Black	Black	Green	Black
HORIZON-HLTH-2027-01-ENVHLTH-02 : Integrating climate-related exposures into the human exposome and characterising its changes in response to climate change (RIA)	Green	Green	Green	Black	Black	Black
HORIZON-HLTH-2027-01-STAYHLTH-01 : Addressing disabilities through the life course to support independent living and inclusion (RIA)	Green	Green	Green	Green	Black	Black
HORIZON-HLTH-2027-02-IND-02 : Portable and versatile Point-of-care diagnostics (IA)	Green	Green	Black	Black	Black	Green
HORIZON-HLTH-2027-01-IND-01 : Development of cell-free protein synthesis platforms for discovery and/or production of biologicals (RIA)	Green	Green	Green	Black	Black	Black

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 4 topics with relation to Cluster 1 (Health)

	Medical devices	Human Health	Health
HORIZON-CL4-2027-01-MAT-PROD-08 : Textile circularity through advanced processing and manufacturing technologies and system approaches (IA)			
HORIZON-CL4-2027-01-MAT-PROD-22 : Innovative advanced materials and new production processes – reducing dependencies on Critical and Strategic Raw Materials (IA)			
HORIZON-CL4-2027-01-MAT-PROD-47 : Pilot access schemes to Technology Infrastructures for European startups, scaleups and innovative SMEs (CSA)			

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 4 topics with relation to Cluster 5 (Climate, Energy, Mobility)

	Batteries	Carbon Capture	Renewable energy	Energy storage	Industrial heat supply	Energy system integration	GHG	Clean Energy
HORIZON-CL4-2027-01-MAT-PROD-17 : Expert network on Critical raw materials (CSA)	Green	Black	Green	Black	Black	Black	Black	Black
HORIZON-CL4-2027-01-MAT-PROD-22 : Innovative advanced materials and new production processes – reducing dependencies on Critical and Strategic Raw Materials (IA)	Black	Black	Black	Black	Black	Black	Black	Green
HORIZON-CL4-2027-02-MAT-PROD-32-TS : Efficient energy input from renewable sources and energy management in the process industries (IA)	Black	Green	Green	Green	Green	Green	Green	Black
HORIZON-CL4-2027-01-MAT-PROD-47 : Pilot access schemes to Technology Infrastructures for European startups, scaleups and innovative SMEs (CSA)	Black	Black	Black	Black	Black	Black	Black	Green

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 5 topics with relation to Cluster 1 (Health)

	Health impacts / health and well-being	Environmental determinants of health	Climate risk assessment for health
HORIZON-CL5-2027-02-D3-10 : Renewable Energy Valleys in Africa to increase energy security and energy access in Africa (IA)			
HORIZON-CL5-2027-07-D3-32 : Delivery of industrial CCUS clusters – Societal Readiness pilot (IA)			
HORIZON-CL5-2027-03-D5-20 : Assessing the effect of airport operations on air quality and noise in nearby communities (RIA)			
HORIZON-CL5-2027-06-D6-08 : Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot (IA)			

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 5 topics with relation to Cluster 4 (Industrial Technologies)

	Manufacturing / Production / Industry 5.0	Energy-intensive industries / Process industry	(Advanced) Materials / Critical Raw Materials
HORIZON-CL5-2027-02-D2-05 : Improvement of Adaptability, Flexibility and Efficiency of Existing Recycling Processes (IA)			
HORIZON-CL5-2027-02-D2-06 : Sustainable and Competitive Cell Production Techniques for Lithium-ion And Sodium-ion Batteries (IA)			
HORIZON-CL5-2027-04-Two-Stage-D2-07 : Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials (RIA)			
HORIZON-CL5-2027-05-D2-08 : Demonstration for Long-duration Battery Energy Storage Systems (IA)			
HORIZON-CL5-2027-02-D3-07 : Concentrated solar thermal systems for decarbonising industrial processes (IA)			
HORIZON-CL5-2027-02-D3-15 : Production technologies for solar photovoltaics beyond the state-of-the-art (IA)			
HORIZON-CL5-2027-07-D3-16 : Industrial processes and equipment for innovative, reliable and scalable tandem technologies (IA)			
HORIZON-CL5-2027-05-D4-09 : Demonstration of industrial excess/waste heat conversion to mechanical or electrical power (IA)			
HORIZON-CL5-2027-03-D5-03 : Data-driven circular economy for e-mobility ecosystem (IA)			

Green: technology area is part of the topic; black: technology area is not part of the topic.

Cluster 5 topics with relation to Cluster 4 (Industrial Technologies), continuation

	Manufacturing / Production / Industry 5.0	Energy-intensive industries / Process industry	(Advanced) Materials / Critical Raw Materials
HORIZON-CL5-2027-03-D5-08 : Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation (RIA)			

Green: technology area is part of the topic; black: technology area is not part of the topic.



HNN 3.0, NCP4Industry Plus, and GREENET projects have received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement number 101057279, 101207495, and 101069604.