



15 Mawrth / March 2024

HORIZON EWROP / EUROPE

CALENDR GALWADAU / CALLS CALENDAR

Mae'r ddogfen hon yn crynhoi'r cyfleoedd byw a'r cyfleoedd sydd ar y gweill o fewn Rhaglen Waith Ewrop Horizon 2024. Casglwyd y manylion o'r porth Cyllid a Thendrau'r UE ar 15 Mawrth 2024 ac maent wedi'u gwirio i sicrhau eu bod mor gywir â phosibl.

I weld y manylion diweddaraf a llawn ynghylch y galwadau a restrir ewch i'r porth i weld yr wybodaeth ddiweddaraf.

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This document summarises live and forthcoming opportunities in the Horizon Europe Work Programmes 2024. Details were drawn from the EU Funding & Tenders portal ('portal') as of 15 March 2024, and have been checked for their accuracy as far as is possible.

For the latest and full details on the calls listed however, please refer to the portal for the most up to date information.

The Welsh Government Horizon Europe Unit,
HorizonEurope@gov.wales

Ensuring the safety, resilience and security of waterborne digital systems	HORIZON-CL5-2024-D6-01-10	single-stage	05/09/2024	1 ddod / Forthcoming						Ri
Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility	HORIZON-CL5-2024-D6-01-11	single-stage	05/09/2024	1 ddod / Forthcoming						Ri
A new framework to improve traffic safety culture in the EU	HORIZON-CL5-2024-D6-01-12	single-stage	05/09/2024	1 ddod / Forthcoming						Ri
EU-RAIL - SNS SYNERGY: DIGITAL & AUTOMATED TESTING AND OPERATIONAL VALIDATION OF THE NEXT EU RAIL COMMUNICATION SYSTEM	HORIZON-ER-JU-2024-FA2-SNS	single-stage	07/05/2024	Ar agor / Open						Ri
DIGITAL AUTOMATIC COUPLER - TESTING TO SUPPORT DAC AUTHORISATION, MIX AND MATCH FOR DAC COUPLER HEAD AND DRAFT GEAR INTERCHANGEABILITY AND DAC HYBRID COUPLER FITTING SOLUTIONS	HORIZON-ER-JU-2024-FA5	single-stage	07/05/2024	Ar agor / Open						Ri
HYPERLOOP - ROADMAP TOWARDS INDUSTRIALISATION AND HARMONIZED IMPLEMENTABLE CONCEPT	HORIZON-ER-JU-2024-FA7	single-stage	07/05/2024	Ar agor / Open						Ri
Innovative proton conducting ceramic electrolysis cells and stacks for intermediate temperature hydrogen production	HORIZON-JTI-CLEANH2-2024-01-01	single-stage	17/04/2024	Ar agor / Open						Ri
Advanced anion exchange membrane electrolysers for low-cost hydrogen production for high power range applications	HORIZON-JTI-CLEANH2-2024-01-02	single-stage	17/04/2024	Ar agor / Open						Ri
Development of innovative technologies for direct seawater electrolysis	HORIZON-JTI-CLEANH2-2024-01-03	single-stage	17/04/2024	Ar agor / Open						Ri
Development and implementation of online monitoring and diagnostic tools for electrolysers	HORIZON-JTI-CLEANH2-2024-01-04	single-stage	17/04/2024	Ar agor / Open						Ri
Hydrogen production and integration in energy-intensive or specialty chemical industries in a circular approach to maximise total process efficiency and substance utilisation	HORIZON-JTI-CLEANH2-2024-01-05	single-stage	17/04/2024	Ar agor / Open						Ri
Investigation of microbial interaction for underground hydrogen porous media storage	HORIZON-JTI-CLEANH2-2024-02-01	single-stage	17/04/2024	Ar agor / Open						Ri
Novel large-scale aboveground storage solutions for demand-optimised supply of hydrogen	HORIZON-JTI-CLEANH2-2024-02-02	single-stage	17/04/2024	Ar agor / Open						Ri
Demonstration of hydrogen purification and separation systems for renewable hydrogen-containing streams in industrial applications	HORIZON-JTI-CLEANH2-2024-02-03	single-stage	17/04/2024	Ar agor / Open						Ri
Demonstration of innovative solutions for high-capacity, reliable, flexible, and sustainable hydrogen compression technologies in commercial applications	HORIZON-JTI-CLEANH2-2024-02-04	single-stage	17/04/2024	Ar agor / Open						Ri
Demonstration and deployment of multi-purpose Hydrogen Refuelling Stations combining road and airport, railway, and/or harbour applications	HORIZON-JTI-CLEANH2-2024-02-05	single-stage	17/04/2024	Ar agor / Open						Ri
Balance of plant components, architectures and operation strategies for improved PEMFC system efficiency and lifetime	HORIZON-JTI-CLEANH2-2024-03-01	single-stage	17/04/2024	Ar agor / Open						Ri
Scaling-up Balance of Plant components for efficient high power heavy duty applications	HORIZON-JTI-CLEANH2-2024-03-02	single-stage	17/04/2024	Ar agor / Open						Ri
Next generation on-board storage solutions for hydrogen-powered maritime applications	HORIZON-JTI-CLEANH2-2024-03-03	single-stage	17/04/2024	Ar agor / Open						Ri
Demonstration of hydrogen fuel cell-powered inland or short sea shipping	HORIZON-JTI-CLEANH2-2024-03-04	single-stage	17/04/2024	Ar agor / Open						Ri
Portable fuel cells for backup power during natural disasters to power critical infrastructures	HORIZON-JTI-CLEANH2-2024-04-01	single-stage	17/04/2024	Ar agor / Open						Ri
Improved characterisation, prediction and optimisation of flame stabilisation in high-pressure premixed hydrogen combustion at gas-turbine conditions	HORIZON-JTI-CLEANH2-2024-04-02	single-stage	17/04/2024	Ar agor / Open						Ri
Guidelines for sustainable-by-design systems across the hydrogen value chain	HORIZON-JTI-CLEANH2-2024-05-01	single-stage	17/04/2024	Ar agor / Open						Ri
Development of non-fluorinated components for fuel cells and electrolysers	HORIZON-JTI-CLEANH2-2024-05-02	single-stage	17/04/2024	Ar agor / Open						Ri
Large-scale Hydrogen Valley	HORIZON-JTI-CLEANH2-2024-06-01	single-stage	17/04/2024	Ar agor / Open						Ri
Small-scale Hydrogen Valley	HORIZON-JTI-CLEANH2-2024-06-02	single-stage	17/04/2024	Ar agor / Open						Ri
Development of climate change risk assessments in European regions and communities based on a transparent and harmonised Climate Risk Assessment approach	HORIZON-MISS-2021-CLIMA-02-01	single-stage	22/03/2024	Ar agor / Open						Ri
Support to the regions in developing pathways towards climate resilience and corresponding innovation agendas	HORIZON-MISS-2021-CLIMA-02-02	single-stage	06/05/2024	Ar agor / Open						Ri
Knowledge Transfer Network	HORIZON-SESAR-2022-DES-ER-01-WA3-1	single-stage	02/04/2024	Ar agor / Open						Ri
Knowledge Transfer Network	HORIZON-SESAR-2022-DES-ER-01-WA3-1	single-stage	13/05/2024	Ar agor / Open						Ri
6. Bwyd, Bioeconomi, Adnoddau Naturiol, Amaethyddiaeth a'r Amgylchedd / Food, Bioeconomy, Natural Resources, Agriculture and Environment										
European partnership rescuing biodiversity to safeguard life on Earth	HORIZON-CL6-2021-BIODIV-02-01	multiple cut-off	09/04/2024	Ar agor / Open						Ri
European Partnership Water Security for the Planet (Water4All)	HORIZON-CL6-2021-CLIMATE-01-02	multiple cut-off	29/04/2024	Ar agor / Open						Ri
Potential of drones as multi-purpose vehicle - risks and added values	HORIZON-CL6-2021-GOVERNANCE-01-21	single-stage	07/05/2024	Ar agor / Open						Ri
Potential of drones as multi-purpose vehicle - risks and added values	HORIZON-CL6-2021-GOVERNANCE-01-21	single-stage	10/04/2024	Ar agor / Open						Ri
European partnership on accelerating farming systems transition - agroecology living labs and research infrastructures	HORIZON-CL6-2023-FARM2FORK-01-1	single-stage	26/04/2024	Ar agor / Open						Ri
Atlantic and Arctic basin lighthouse - restoration of marine and coastal ecosystems and increased climate	HORIZON-MISS-2021-OCEAN-02-03	single-stage	20/03/2024	Ar agor / Open						Ri
Mediterranean sea basin lighthouse - actions to prevent, minimise and remediate litter and plastic pollution	HORIZON-MISS-2021-OCEAN-03-01	single-stage	31/05/2024	Ar agor / Open						Ri
Lighthouse in the Baltic and the North Sea basins - Low impact marine aquaculture and multi-purpose use of marine space	HORIZON-MISS-2021-OCEAN-04-01	single-stage	29/03/2024	Ar agor / Open						Ri
Lighthouse in the Baltic and the North Sea basins - Low impact marine aquaculture and multi-purpose use of marine space	HORIZON-MISS-2021-OCEAN-04-01	single-stage	31/03/2024	Ar agor / Open						Ri
Engage with and activate municipalities and regions to protect and restore soil health	HORIZON-MISS-2021-SOIL_02-06	single-stage	06/04/2024	Ar agor / Open						Ri
Danube river basin lighthouse - Protection and restoration of wetlands, flood plains, coastal wetlands and salt marshes and their biodiversity	HORIZON-MISS-2022-OCEAN-01-02	single-stage	30/04/2024	Ar agor / Open						Ri
Danube river basin lighthouse - Protection and restoration of wetlands, flood plains, coastal wetlands and salt marshes and their biodiversity	HORIZON-MISS-2022-OCEAN-01-02	single-stage	29/05/2024	Ar agor / Open						Ri
Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems	HORIZON-MISS-2022-OCEAN-01-08	single-stage	20/03/2024	Ar agor / Open						Ri

Gwybodaeth Bellach / Further Information



1. Gwyddoniaeth Ragorol / Excellent Science

[Cyngor Ymchwil Ewrop \(ERC\) / European Research Council](#)

[Marie Skłodowska-Curie Actions](#)

[Ganolfannau Ymchwil / Research Infrastructure](#)



2. Heriaubyd-eang a Chystadleurwydd Diwydiannol Ewrop / Global Challenges and European industrial Competitiveness

[Iechyd / Health](#)

[Diwylliant, Creadigrwydd a Chymdeithas Cynhwysol / Culture, creativity and inclusive society](#)

[Diogelwch Sifil i Gymdeithas / Civil Security for Society](#)

[Digidol, Diwydiant a'r Gofod / Digital, Industry and Space](#)

[Newid Hinsawdd, Ynni a Symudedd / Climate, Energy and Mobility](#)

[Bwyd, Bioeconomi, Adnoddau Naturiol, Amaethyddiaeth a'r Amgylchedd / Food, Bioeconomy, Natural Resources, Agriculture and Environment](#)



3. Ewrop Arloesol / Innovative Europe

[Chyngor Arloesi Ewrop / European Innovation Council](#)

[Ecosystemau arloesedd Ewropeaidd / European Innovation Ecosystems](#)

[Sefydliad Ewropeaidd ar gyfer Arloesedd a Thechnoleg / European Institute of Innovation and Technology](#)



Ehangu Cyfranogiad ac Atgyfnerthu'r Maes Ymchwil Ewropeaidd / Widening Participation and Strengthening the European Research Area

[Ehangu cyfranogiad a lledaenu rhagoriaeth / Widening participation and spreading excellence](#)

[Diwygio a Gwella'r System Ymchwil ac Arloesedd Ewropeaidd / Reforming and Enhancing the European R&I System](#)