

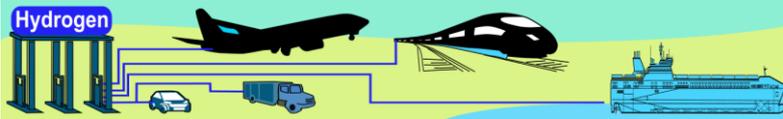
NETWORK-H₂

Flexible Funding – Call for Expressions of Interest 2nd Call for Proposals

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1. Call Headline Details

Maximum proposal value	£50,000 at full economic costing (fEC)
Funding level	80% of fEC
Number of awards available in this call	Funding for up to 6 projects
Available funding across this call	Up to £300,000 (fEC)
Expression of Interest (EOI) pitch opens	14 th May 2021
Closing date for EOI submissions	11th June 2021 at 17:00
Deadline for feedback and invitations to proceed to full application	2 nd July 2021
Deadline for submission of full funding proposals from invited applicants	30 th July 2021 at 17:00
Deadline for notification of outcome	27 th August 2021
Project duration	6 months
Anticipated project start date	1 st October 2021
Anticipate project end date	31 st March 2022



2. About Network-H₂

The network for hydrogen-fuelled transportation, [Network-H₂](#), is led by Durham University and is a partnership with Newcastle University, Advanced Propulsion Centre UK Ltd, Consortium in Turbulent Reacting Flows, Department for Transport, Department for Business, Energy and Industrial Strategy, Energy Systems Catapult, Connected Places Catapult and UK Hydrogen and Fuel Cell Association.

It supports the dissemination and impact of research activities for academia, industry, policymakers and other stakeholders across all modes of transport and has the following key objectives:

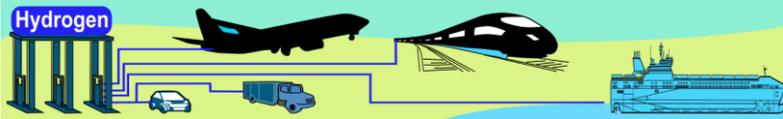
- Act as a forum to maximise impact, communicate, share best-practice, and disseminate information and data for research projects under the umbrella of 'Hydrogen fuelled Transportation'.
- Capture the state-of-the-art and identify the research challenges, incentives and barriers. Use this to identify and promote future research needs via the targeted use of feasibility-funding for those cutting-edge projects which can unlock hydrogen for transport applications whilst promoting collaborative research activities.
- Provide a wider forum for all stakeholders, including suppliers and consumers from across the energy sector, all modes of transport and technology developers. Foster long-term collaboration between outstanding international research teams in the UK, Europe and internationally.
- Engage with the wider research community across the physical sciences, social sciences & engineering disciplines to maximise dissemination, impact, reach and significance of research outcomes in this area and stimulate knowledge transfer between academia, industry, government and other stakeholders.
- Identify and promote future research needs based on partner contributions, forecasting exercises, and links to relevant networks and initiatives.

The network combines high-level research expertise with local knowledge, networks and partnerships and aims to take a leadership role across the energy, marine, on-road, rail and aviation sectors in advancing the rapidly advancing hydrogen-enabled transport sector by focusing on eight cross-cutting themes.

- (1) The whole transport/energy system.
- (2) Pathways to sustainable hydrogen production and distribution.
- (3) Compact and lightweight on-board storage.
- (4) Compact and lightweight hydrogen energy conversion devices.
- (5) Lightweight electrified powertrains.
- (6) Hydrogen compatible materials and safety.
- (7) Multi-modal transport, logistics and autonomy.
- (8) Policy, economics and societal impacts.

3. About this Flexible Funding Call

Network H₂ invites expressions of interest to this Flexible Funding Call focusing on relevant topics, including but not limited to the following **priority areas**:



- (1) Further development of zero-emission (including NO_x) hydrogen fuelled ICE engines for transport applications.
- (2) End-user perspectives of using hydrogen in UK transport.
- (3) Options for blended hydrogen-natural gas clean-up for PEM fuel cells.
- (4) Policy and incentivisation for the scale-up of hydrogen for UK transport.
- (5) Opportunities for hydrogen in UK rail transport.
- (6) Hydrogen storage for long-haul aviation.
- (7) Using hydrogen/ammonia as energy carriers for marine transport.

4. Eligibility

Who is eligible to apply?

- (1) Academics based at a UK institution when carrying out the project.
- (2) We strongly encourage applications from Early Career Researchers (ECR). We define an ECR as any academic who has been awarded a PhD but has not yet held a research grant of £100,000 or more.
- (3) Furthermore, we actively encourage applications from groups that are under-represented in transport and climate related disciplines (i.e. women, ethnic minorities, people with disabilities).
- (4) Network-H₂ investigators can apply but will not be considered as PI for the final submitted proposal.

For this call, standard UKRI eligibility rules apply relating to the status of the organisation and the employment status of individuals applying. Investigators from all disciplines supported by UKRI are welcomed and encouraged to apply.

Any proposal that is incomplete or does not meet the eligibility criteria of this call, will not be considered for full application.

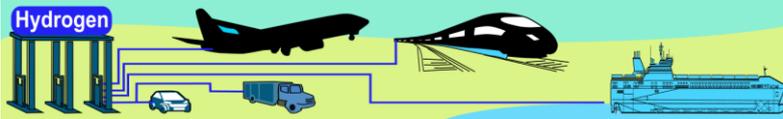
For information on the eligibility of organisations and individuals to receive EPSRC funding, see the [EPSRC Funding Guide](#).

5. Equality, Diversity and Inclusion

The Network is committed to EDI and this is at the heart of the Network's activities at all levels. The Network recognises the importance of EDI and that the link between diversity and research productivity is well established. It also understands the benefits that can be achieved through building an inclusive partnership within a multidisciplinary collaboration with representatives, both academic and industrial stakeholders, across the four major transportation modes of aviation, rail, road and marine.

6. Expression of Interest Process

- (1) Submit your expression of interest via the online EOI [application form](#).
- (2) Your EOI must clearly indicate which of the **priority areas** you intend to address. Alternatively, you may specify your own so long as it is relevant to the aims of Network-H₂.



- (3) Your EOI will be reviewed by Network-H₂'s Support Team and checked against the EPSRC eligibility criterion.
- (4) If eligible, your EOI will be considered for evaluation.

Any EOIs received after the deadline will not be considered.

7. Evaluation Process

EOI's will be evaluated by Network-H₂'s Management Board. They will make recommendations as to which EOI's should proceed to the full proposal stage. In this call we expect approximately 12 EOI's to be invited to provide a full, costed proposal and project delivery schedule.

The main evaluation criteria will be:

- (1) Novelty/transformational potential.
- (2) Methodology.
- (3) Overall quality and fit across one of the 8 cross-cutting themes and/or directly addresses one of the priority areas.
- (4) Clear plans for potential impact.
- (5) Ability to deliver the project in the timescales.

Those invited to submit full proposals will be briefed on the detailed procedures when their EOIs are accepted.

8. Point of Contact for Queries

If you have any questions, please do not hesitate to contact us by emailing Rachel.Simpson@durham.ac.uk