

UK-HyRES CALL 1 WEBINAR ON 12 JANUARY 2024: ONLINE (ZOOM) Q&A

NB: All URLs cited were accessed on 15 January 2024

Can a Director, Co-Director, or Co-Investigator (CoI) of the hub be eligible to lead or serve as a Co-Investigator in this flexible call proposal?

YES.

Is a PDRA eligible to be involved in the application as a PI or Co-I?

ELIGIBILITY FOR THE CALL IS CLEARLY SET OUT AT

<https://www.ukri.org/councils/epsrc/guidance-for-applicants/check-if-you-are-eligible-for-funding/>

Does Green Ammonia fit in here? Does it matter what stage of development a company/product is at?

YES. HUB PROJECTS ARE EXPECTED TO BE BASIC ENGINEERING AND PHYSICAL SCIENCE (AND SOCIAL SCIENCE) BUT WITH A CLEAR PATH TO IMPACT(S).

In the challenges under TT1, if we are looking at alternative catalysts to Iridium, should the source for H₂ be water or are we free to explore other sources? Biomass or wastewater?

THANK YOU. H₂ MAY BE SOURCED FROM WATER OR BIOMASS BUT NOT FOSSIL FUELS. ALL SOURCING SHOULD ACCOUNT FOR RELATED CARBON EMISSIONS.

Just for clarification is biomass gasification for H₂ production in scope?

YES. ALL SOURCING SHOULD ACCOUNT FOR RELATED CARBON EMISSIONS.

When an industry is partnering in the development of the proposal, do they need to provide a match fund? If so what level of match fund is expected?

INDUSTRY CO-FUNDING AND OTHER LEVERAGED SUPPORT FOR PROJECTS (E. G., FROM CIVIC PARTNERS) IS STRONGLY ENCOURAGED AND WILL CERTAINLY BOOST A PROPOSAL'S CHANCE OF SUCCESS. 100 % MATCH FUNDING (CASH, IN-KIND, ...) WOULD BE IDEAL BUT IS NOT MANDATED.

For the EOI application, under the question 'Funding required' is this the FEC amount for the project at 100%?

PLEASE STATE THE FEC AND THE 80 % EPSRC CONTRIBUTION.

Is it mandatory to have an industrial partner as part of the application?

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Can a list of projects already being pursued by the theme leads with HyRES funding be made public please?

PLEASE SEE <https://www.ukhyres.ac.uk/> UNDER THE PROJECTS TAB.

Regarding anonymity at EoI stage: will the names & contributions of industrial partners be visible to the reviewers?

IF MENTIONING INDUSTRIAL PARTNERS BY NAME WOULD COMPROMISE ANONYMITY THEN PLEASE REFER TO THEM OBLIQUELY (E. G., "A £MULTIM GLASS MANUFACTURER"). HOWEVER, IT WILL BE IMPORTANT TO INDICATE THE NATURE AND LEVEL OF LEVERAGE PROVIDED.

I believe this confirmed during the Safety theme, but is the development of instrumentation for hydrogen leak detection be within the scope of the call?
YES.

Are projects to understand the mechanical performance of materials for hydrogen distribution and storage in scope?
YES.

Are applications only allowed by Academia? Can industry apply? If not how can Industry be involved?
ELIGIBILITY FOR THE CALL IS CLEARLY SET OUT AT <https://www.ukri.org/councils/epsrc/guidance-for-applicants/check-if-you-are-eligible-for-funding/>. INDUSTRY MAY BE INVOLVED VIA CO-CREATION, CO-SUPERVISION AND CO-FUNDING OF PROJECTS.

How many applications are allowed in the EOI from one institution and are national labs eligible?
THERE IS NO LIMIT TO THE NUMBER OF APPLICATIONS FROM ONE UNIVERSITY OR INVESTIGATOR. HOWEVER, IT WOULD BE A GOOD IDEA TO INDICATE SYNERGY AND CO-ORDINATION FOR SUCH MULTIPLE BIDS. ELIGIBILITY FOR THE CALL IS CLEARLY SET OUT AT <https://www.ukri.org/councils/epsrc/guidance-for-applicants/check-if-you-are-eligible-for-funding/>.

What about the use of Hydrogen in gas turbines for aviation? Can zero-emission aviation be part of the call?
HYDROGEN AND HYDROGEN CARRIERS SUCH AS AMMONIA ARE IN SCOPE AS FUELS FOR MOBILITY INCLUDING AVIATION.

Would the hub help us identify the right industrial partner from the consortium?
YES, WE WOULD BE HAPPY TO HELP IDENTIFY POSSIBLE INDUSTRIAL PARTNERS. PLEASE CONTACT ukhyresadmin@bath.ac.uk.

Is large-scale underground hydrogen storage within the scope?
YES.

Hi professor, I am a PhD Student in the area of Hydrogen transport, specifically using existing infrastructure to transport hydrogen i.e hydrogen injection into natural gas pipeline. how feasible is it to be part of your research project as a PhD student?

PLEASE SPEAK WITH YOUR PhD ADVISOR(S) ABOUT THIS. THE HUB IS COMMITTED TO DEVELOPING "HYDROGEN" ECR COMMUNITIES; PLEASE KEEP AN EYE ON THE HUB'S WEBPAGES FOR ECR OPPORTUNITIES.

"Section 10 Funding required" has no word limit. What is requested here? Only the total fund requested or do you also want a justification of resources ?
FOR THE EOI ALL WE NEED IS THE FEC AND 80 % EPSRC CONTRIBUTION IN THIS SECTION. A DETAILED JOR IS NOT REQUIRED AT THIS STAGE BUT IS REQUIRED FOR FULL PROPOSALS.

Are you looking for a match between the 25 suggested themes on pages 4 and 5 and submissions? How broad is the scope for decoupled water splitting and energy storage? Does match funding from industry give you a higher chance of success in proposals?

PROJECT FIT (MATCHING A PRIORITY THEME) WOULD BE USEFUL BUT WE ARE ALSO ON THE LOOK OUT FOR OTHER IDEAS IF A STRONG CASE IS MADE. ENERGY STORAGE WITHOUT HYDROGEN OR A CARRIER IN THE LOOP WOULD NOT SCORE HIGHLY. YES, INDUSTRY CO-FUNDING WOULD CERTAINLY BOOST A PROPOSAL, THOUGH 100 % MATCH IS NOT MANDATED.

For Anion Exchange Membranes (TT1.B), it might be difficult to tie up with UK Membrane makers? I am aware of some manufacturers in Europe, but not in UK. Yet AEM is an important area. Will it receive consideration, without industrial partners? INDUSTRY PARTNERS ABROAD ARE WELCOME PROVIDED A CASE IS MADE THAT THERE ARE NO UK OPTIONS.

Can the partner (industrial or academic) be from outside UK?
ELIGIBILITY FOR THE CALL IS CLEARLY SET OUT AT <https://www.ukri.org/councils/epsrc/guidance-for-applicants/check-if-you-are-eligible-for-funding/>. INDUSTRY PARTNERS ABROAD ARE WELCOME PROVIDED A CASE IS MADE THAT THERE ARE NO UK OPTIONS.

If a material is being proposed that has application in both electrolysers and fuel cells, I assume we can still mention fuel cells as a dual use?
YES, PROVIDED THE FOCUS IS ON ELECTROLYSERS.

Are costs for small equipment and upgrade of equipment admissible as part of the project?
YES, SUBJECT TO EPSRC GUIDELINES FOR EQUIPMENT ON GRANTS: <https://www.ukri.org/councils/epsrc/guidance-for-applicants/what-to-include-in-your-proposal/equipment/equipment-on-research-grants/#:~:text=Individual%20items%20of%20equipment%20between,alternative%20provision%20can%20be%20accessed>

Will be the industry supporting letter required for the EOI application or just for the full proposal?
LETTERS OF SUPPORT ARE ONLY REQUIRED FOR FULL PROPOSALS

Will formic acid be considered as an alternative liquid fuel?

YES, IF A STRONG CASE IS MADE. ALSO, ALL ORGANIC CARRIERS SUFFER THE DISADVANTAGE OF CONTAINING (AND HENCE REQUIRE MANAGING) CARBON.

Is development of analysis techniques/methods or standardization of H2 analysis techniques within scope? or improving national capability for analysis?
YES.

If we are putting in a large hydrogen related materials bid (i.e. electrolyzers) into responsive mode, is it possible to say that we will work towards formal links to Hy-Res for dissemination, outreach etc.?

YES. UK-HyRES WOULD BE PLEASED TO PROVIDE LETTERS OF SUPPORT FOR LARGE HYDROGEN BIDS IF A STRONG CONNECTION IS CLEARLY MUTUAL BENEFICIAL.

Sorry, is the max 300k FEC cost incl or excl industry support? Thanks
£300K MAX FEC EXCLUDES LEVERAGED CO-FUNDING.

Is there any interest in volumetric flow metering for unknown variable mixtures of heavy (eg methane) gas and hydrogen without density calibration?
YES.

Are you funding 6 projects in this first call?

THE TOTAL FEC FUNDING BUDGET FOR CALL 1 IS ABOUT £1,800K AND THE MAX FEC BID IS £300K. THESE ARE THE ONLY BUDGETARY CONSTRAINTS IN THE CALL.

KeyUK-HyRES information may be found at <https://www.ukhyres.ac.uk/>.

Please email any UK-HyRES enquiries to ukhyresadmin@bath.ac.uk.

UK-HyRES contacts at the EPSRC are Dr Katie Hart (Katie.hart@epsrc.ukri.org) and Dr Tracy Keys (Tracy.Keys@epsrc.ukri.org).