

We're here to help you

The EU Energy Focus service is a free, Government-funded service that aims to ensure that UK companies, research institutions and other organisations are well informed and have every chance of success in applying for and securing European funding for energy-related projects. Our services include one-to-one discussion of proposal ideas, webinars on key subjects and review of draft proposals. Through this bulletin we aim to provide you with information on sustainable energy policy and funding in Europe and in the UK.

To enable us to tailor our communications to your needs, we ask you to confirm your contact details and inform us of your interest areas via our contacts survey at <https://www.surveymonkey.co.uk/r/EUEFcontacts>

Statement on UK eligibility for EU Horizon 2020 funding following the referendum decision

Recognising the importance of science and innovation to society, productivity and economic competitiveness, the government has provided reassurance to UK participants of the European Union's Horizon 2020 Programme with a commitment to safeguard funding for research and innovation projects.

The Treasury has confirmed that it will underwrite funding for approved Horizon 2020 projects applied for before the UK leaves the European Union. **As a result, British organisations have certainty over future funding and should continue to bid for Horizon 2020 Calls while the UK remains a member of the EU.** The Treasury will underwrite the payment of such awards, even when specific projects continue beyond the UK's departure from the EU.

We are working with the Energy National Contact Points from the other European countries that participate in Horizon 2020 to ensure the above message is being disseminated to relevant organisations so that UK organisations' continued eligibility for funding is widely known to allow consortia to be maintained and built. **Please let us know if you do come across European organisations that are not aware of the Treasury announcement.**

The position regarding **structural funds** is as follows - all structural and investment fund projects signed before the Autumn Statement on 23rd November 2016 will be fully funded, even when these projects continue beyond the UK's departure from the EU. The Treasury is working with departments, Local Enterprise Partnerships and other relevant stakeholders to put in place arrangements for considering those structural fund projects that might be signed after the Autumn Statement but while the UK remains a member of the EU. These projects will need to address UK priorities and satisfy value for money criteria. Further details will be provided as soon as possible.

EU Energy Focus at RenewableUK Annual Wave & Tidal Conference & Exhibition, London (UK) 23rd February 2017

Helen Fairclough from the EU Energy Focus team will be attending the conference and is available for one-to-one meetings. **Please contact the EU Energy Focus team if you are attending the conference and would like to arrange to meet to discuss a proposal idea at the event.** Bookings for the event can be made at <http://events.renewableuk.com/wt17-overview>

EU Energy Focus at International Hydrogen and Fuel Cell Conference, Birmingham (UK) 14th March 2017

Helen Fairclough from the EU Energy Focus team will be attending the conference and is available for one-to-one meetings. **Please contact the EU Energy Focus team if you are attending the conference and would like to arrange to meet to discuss a proposal idea at the event.** Bookings for the event can be made at <http://www.climate-change-solutions.co.uk/event/hydrogenfuelcellsintothemainstream1/>

Horizon 2020 – see page 10 for background

Fuel Cell and Hydrogen Call for Proposals

2017 Call for Proposals open

The 2017 Call was launched on 17th January 2017 and has a deadline of **20th April 2017**. The Call budget is **€116M**. Further details of the Call can be found at <http://www.fch.europa.eu/page/call-2017>. Please contact the EU Energy Focus team if you are interested in submitting a proposal to this Call.

European Information Day and Brokerage event for 2017 Call for Proposals – 2nd February 2017

An Information Day was held in Brussels on 2nd February 2017. The slides from and a recording of the event can be accessed at <http://www.fch.europa.eu/page/info-day-2017>

2015 Call results

A full list of projects funded by the FCH JU can be found at <http://www.fch.europa.eu/fchju-projects>.

UK involvement headlines for the 2015 Call are:

- **€19M** of the **€110M** budget allocated to UK organisations (17%)
- **9** of the **15** projects funded has UK involvement i.e. **60% of the projects** have UK involvement - positive news for the UK, benefiting from the learning in over half of the funded projects.

The **JIVE project** is an example of a funded project from the 2016 Call, details are:

- **UK-led project with Element Energy as the coordinator**
- **Partners:** involves 24 partners, including **5 from the UK** (Aberdeen City Council, Birmingham City Council, Dundee City Council, London Bus Services and West Midlands Travel).
- **EU funding:** €32M from the Fuel Cell and Hydrogen Joint Undertaking between 2017 and 2022.
- **Funding to UK organisations:** €13M
- **Aim:** JIVE will pave the way to commercialisation of fuel cell (FC) buses through the deployment of 142 fuel cell buses across 9 locations, more than doubling the number of FC buses operating in Europe.

JIVE will use coordinated procurement activities to unlock the economies of scale which are required to reduce the cost of the FC buses. They will operate in large fleets of 10-30 buses, reducing the overhead costs per bus, as well as allowing more efficient supply chains and maintenance operations compared to previous deployments. By working at this scale and with bus operators with proven vehicles, JIVE will ensure reliability at the level required for commercialisation. JIVE will also test new hydrogen refuelling stations with the required capacity to serve fleets in excess of 20 buses. This will not only reduce the costs of hydrogen and increase the availability of equipment but will also test the ability to offer >99% reliability, which is required for the commercialisation of FC buses. A dissemination campaign will use the project results to demonstrate the technical readiness of FC buses to bus operators and the economic viability of hydrogen as a zero emission bus fuel to policy makers will help to catalyse the future development and expansion of the hydrogen bus sector. More details can be found at <http://www.fch.europa.eu/news/launch-project-jive-large-scale-deployment-fuel-cell-buses-europe>

Support available for H2020 June 2017 deadlines

The next 2017 H2020 Call, in the area of energy efficiency, has a deadline of **7th June 2017**. The tables below show the topic areas and the budgets available for this Call.

Budget	€55M
Call topics (funding action), expected EU funding per project	Indicative budget (M€)
<u>EE-02-2017</u> : Improving the performance of inefficient district heating networks (CSA), €1M to €2M	4
<u>EE-06-2017</u> : Engaging private consumers towards sustainable energy (CSA), €1M to €2M	5
<u>EE-09-2017</u> : Engaging and activating public authorities (CSA), €1M to €2M	7
<u>EE-11-2017</u> : Overcoming market barriers and promoting deep renovation of buildings (CSA), €1M to €2M	8
<u>EE-14-2017</u> : Construction skills (CSA), €0.5M to €1M	
<u>EE-15-2017</u> : Increasing capacities for actual implementation of energy efficiency measures in industry and services (CSA), €1M to €2M	
<u>EE-16-2017</u> : Effective implementation of EU product efficiency legislation (CSA), €1M to €2M	11
<u>EE-18-2017</u> : Energy efficiency of industrial parks through energy cooperation and mutualised energy services (CSA), €1M to €2M	
<u>EE-19-2017</u> : Public Procurement of Innovative Solutions for energy efficiency (PPI), €1M to €2M	4
<u>EE-23-2017</u> : Innovative financing schemes (CSA), €1M to €2M	
<u>EE-24-2017</u> : Making the energy efficiency market investible (CSA), €1M to €1.5M	8
<u>EE-22-2017</u> : Project Development Assistance (CSA), €0.5M to €1.5M	8

UK proposal development workshop for Energy Efficiency topics, London, 9th March 2017

The EU Energy Focus team in conjunction with the Enterprise Europe Network and Knowledge Transfer Network is delivering a proposal development workshop covering many of the topics listed in the table above. The event will be held in London on Thursday 9th March 2017 at Digital Greenwich in east London. The event is being held near to the Ecobuild venue of the Excel Convention Centre to facilitate the participation of those visiting London to attend the matchmaking event at the Ecobuild conference and exhibition (details on page 8). The workshop will bring together organisations from around Europe to share proposal ideas and information on their capabilities to build consortia and commence proposal development. Details of the event and how to register can be found at [http://docs.euenergyfocus.co.uk/Invitation to H2020 proposal development workshop 090317.pdf](http://docs.euenergyfocus.co.uk/Invitation%20to%20H2020%20proposal%20development%20workshop%20090317.pdf)

Call summary document: the priorities and deadlines for all of the 2017 Energy Calls can be viewed in our Call summary document at [http://docs.euenergyfocus.co.uk/H2020 Energy Call summary 2017.pdf](http://docs.euenergyfocus.co.uk/H2020%20Energy%20Call%20summary%202017.pdf)

Support for UK organisations: We provide a free and confidential service to UK organisations on European funding for energy projects. We can help to facilitate UK involvement in these major European collaborative projects. We are available to discuss proposal ideas and review proposals.

Switzerland steps up research and innovation cooperation with the EU

Swiss researchers and organisations will now be able to fully participate in Horizon 2020 on equal terms with entities from EU Member States and other Associated Countries. This is because on 1st January 2017, Switzerland became fully associated to Horizon 2020. More information can be found at http://ec.europa.eu/research/participants/data/ref/h2020/other/hi/h2020-hi-swiss-part_en.pdf

Horizon Prizes for energy innovation

The European Commission has launched three Horizon 2020 energy prizes, which will encourage innovations and finding solutions in the areas of great importance to European citizens, culture and health, and by this contribute to one of the key challenges of Energy Union, which is to put citizens at its core. These prizes will reward innovative approaches to integrating solar energy into historical buildings, using renewable energy in hospitals, and developing products that help cut emissions by reusing CO₂. **The total value of the prizes is €3.25M.** More information can be found at <https://ec.europa.eu/research/horizonprize/index.cfm>

UK Technology Stakeholder Groups

Now is a good time for you to consider joining one of our sector stakeholder groups. These continue to play an important role in helping to shape UK input to discussions on future European energy technology development spending priorities. But in parallel, in the light of the EU referendum result, they will increasingly now focus on providing input to the UK's new, wider international energy innovation engagement priorities that are currently being developed and other possible activities related to international collaboration.

The UK Stakeholder Groups meet via conference call approximately four times per year. There are UK Stakeholder Groups for bioenergy, solar, wind, CCS, smart cities, smart grids,

ocean and a group on energy efficiency is in the process of being set-up. Stakeholder group membership offers an opportunity to help influence policy at EU and UK levels; and to build your networks and knowledge to take advantage of the resulting opportunities

It's important to have representative groups made up of industry, academia and the public sector to help ensure feedback matches as closely as possible to UK priorities, strengths and interests. This should give UK organisations the best possible chance of success in securing EU funding and activity, along with wider international business opportunities against increasingly tough competition. The groups are currently being consulted on the draft 2018-2020 Horizon 2020 funding priorities.

We are interested in hearing from organisations, particularly trade associations or industry, about joining the stakeholder groups. Please contact the EU Energy Focus team if you would like more information or would like to explore joining.

European Developments in the energy sector

KIC InnoEnergy Call for Proposals launched

KIC InnoEnergy, the European company for innovation, business creation and education in sustainable energy, has launched a new Call for Innovation Proposals aimed to boosting the effectiveness and speed of the go-to-market process of green innovations in Europe. KIC InnoEnergy supports research institutions, companies and universities with the last stage of the go-to-market process for innovative sustainable energy products and services, helping them to create public-private consortia that have the ability to take high-potential ideas to the market faster and more effectively, and offers significant financing schemes. The deadline for proposal submission is **7th April 2017**. Details of the Call for Proposals can be found at <https://investmentround.innoenergy.com/home.html>

New Research & Innovation Roadmap Smart Networks for Energy Transition

The European Technology and Innovation Platform Smart Networks for Energy Transition (ETIP SNET) has presented the long-term key priorities to enable the transition towards a reliable and sustainable European electricity system with very high shares of renewables. Overall the roadmap estimates that €2.5B investment in Research and Innovation is needed over the next 10 years to help manage Europe's Energy Transition as a system. The ETIP SNET role is to guide research, development and innovation to support Europe's energy transition with innovation for the transmission and distribution systems. The roadmap will be referred to by the Commission when defining Horizon 2020 funding priorities. It is important that Horizon 2020 proposals take account of the information in the roadmap. The roadmap can be downloaded at <http://etip-snet.eu/18-january-2017.html>

Public Consultation launched - Evaluation of Public-Private Partnerships (Art.185 initiatives)

The European Commission has launched a public stakeholder consultation as part of the Interim evaluation of H2020. Contributions are particularly sought from research funders, researchers, industry, entrepreneurs, innovators and all types of organisations that have participated in Horizon 2020 and in Calls for Proposals published by the Art.185 initiatives. The consultation is open until **30th April 2017**. More information can be found at http://ec.europa.eu/research/consultations/pp_partnerships_art185/consultation_en.htm

Call for Proposals for collaborative research and demonstration of solar technologies

The SOLAR-ERA.NET launched the first Cofund Joint Call on 5th December 2016. Eleven countries will participate in this Call - Austria, Cyprus, France, Germany, The Netherlands, Poland, Spain, Sweden, Switzerland, Turkey and United Kingdom. The overall funding budget is around 19M€. The deadline for pre-proposal submission is **20th February 2017** at 17:00 CET. More information including details of a brokerage webinar which took place on 12th December can be found at <http://www.solar-era.net/>

FORESEA Programme Launches Second Call for Applications

The FORESEA (Funding Ocean Renewable Energy through Strategic European Action) Programme's second Call for support package applications was opened on 9th November 2016. The main objective of FORESEA is to help North West Europe (NWE) enterprises working in low carbon technology to test their technologies in real sea environments and to enable power to be economically extracted from the ocean. For this purpose, the project consortium, which includes four test sites in the NWE region (specifically in Scotland, the West of Ireland, West of France and the Netherlands), has announced the second Call for Applications for access to test sites to perform tests and validation of low carbon technologies. The deadline for application is **28th February 2017**. More information can be found at <http://tinyurl.com/zclt9hd>

Public Consultation - Fuel Cell and Hydrogen Joint Undertaking Interim Evaluation

The European Commission has launched a public stakeholder consultation as part of the Interim evaluation of the Joint Undertakings operating under Horizon 2020. The consultation aims to collect the views of the public about the implementation of the Joint Undertakings (JUs) under Horizon 2020 for the period 2014 to 2016. The outcome of this public consultation will provide input to the currently ongoing interim evaluation of the JUs, covering the same period. The results of the interim evaluation will be used as a basis to improve the performance of the JUs. The public consultation will be open for three months, until **10th March 2017**. More information can be found at <https://ec.europa.eu/eusurvey/runner/JUsinterimevaluation>

Financial instruments for local energy projects - Outcomes of a Covenant of Mayors training session

At the end of 2016, the Covenant of Mayors Office organised a two-day workshop on energy project financing. The training was designed to foster dialogue and learning opportunities amongst the ten participating cities and finance experts. The presentations from the event can now be downloaded at http://www.covenantofmayors.eu/news_en.html?id_news=796

Smart Cities and Communities: new study suggests examples of best practice

An EU-funded study has been published analysing Smart Cities and Communities solutions. Smart Cities and Communities are defined by their intelligent use of integrated energy, transport and IT technologies to reduce their environmental impact and offer citizens better lives. The study shows that if an existing project is replicated on a larger scale or in a different location, no single factor, but only several factors in combination, will affect the new project's potential for success. When implementing solutions it is always very important to bring together political institutions, investors, industry players and citizens. The study can be downloaded at <http://ec.europa.eu/energy/en/news/smart-cities-and-communities-new-study-suggests-examples-best-practice>

Call for Expressions of Interest - Clean energy technology studies

The European Commission Joint Research Centre has launched a Call for Expressions of Interest for clean energy technology studies. The Call for Expressions of interest is divided into 3 fields:

- assessment of the status of development of energy supply technologies and their trend including wind, PV, ocean, geothermal, hydropower, CCS, hydrogen and fuel cells and many others
- integration of energy supply technologies in the energy system
- assessment of technology markets and industrial development intelligence for energy supply technologies

As a first step, interested parties are invited to submit an expression of interest by providing their full contact details and by listing the specific fields of interest. More details can be found at

<https://web.jrc.ec.europa.eu/callsfortender/index.cfm?action=app.tender&id=3519&error=nochoises>

UK news from the energy sector

Consultation on UK industrial strategy open

The consultation on the Green Paper entitled “Building our Industrial Strategy” is open until **17th April 2017**. The consultation can be accessed via

<https://www.gov.uk/government/consultations/building-our-industrial-strategy>

£15 million to develop innovative solutions to challenges in infrastructure systems

Innovate UK is to invest up to £15 million in projects to stimulate innovation that creates UK business growth in infrastructure systems. The funding will support businesses to collaborate to develop new integrated solutions and new business models. Projects may include technical feasibility, industrial research or experimental development activity. Projects are expected to range in size from total eligible costs of £25,000 to £5 million. Projects should last between 3 months and 3 years and must show significant innovation in one of the following priority areas:

- ‘smart’ infrastructure
- energy systems
- connected transport
- urban living

Proposals must improve business growth, productivity and/or create export opportunities for at least one UK small and medium-sized enterprise (SME) involved in the project. Applicants must register their intent to submit by midday on **15th March 2017**. All proposals must be received by midday on **22nd March 2017**. More information, including details of information and brokerage events around the UK, can be found at

<https://ktn-uk.co.uk/funding/innovation-in-infrastructure-systems-round-2>

Forthcoming events

RenewableUK Annual Wave & Tidal Conference & Exhibition, London (UK) 23rd February 2017

Delegates at this event will hear from leading developers, financial and innovation funding experts, technical and safety professionals, regulators and government stakeholders representing the range of interests across the UK, and wide international marine energy supply chain. More information can be found at <http://events.renewableuk.com/wt17-overview>

Helen Fairclough from the EU Energy Focus team will be attending the event and is available for one-to-one meetings. Please contact the EU Energy Focus team if you are attending the conference and would like to arrange to meet to discuss a proposal idea at the event.

Enterprise Europe Network International Matchmaking event, London (UK), 8th March 2017

This matchmaking event, taking place at the Ecobuild conference and exhibition, is an opportunity to pre-arrange short meetings with potential partners and create real business and technology development opportunities with both exhibitors and visitors, active in the construction sector and energy efficiency. More detail and registration for the International matchmaking event can be found at <https://www.b2match.eu/ecobuild2017>

UK proposal development workshop for Energy Efficiency topics, London (UK), 9th March 2017

The EU Energy Focus team in conjunction with the Enterprise Europe Network and Knowledge Transfer Network are delivering a proposal development workshop on the Energy Efficiency Call topics. Details can be found on page 4.

International Hydrogen and Fuel Cell Conference, Birmingham (UK) 14th March 2017

This conference will focus on successful implementation and delivery of commercial products and exciting demonstration projects across a range of applications. Bookings for the event can be made at

<http://www.climate-change-solutions.co.uk/event/hydrogenfuelcellsintothemainstream1/>

Helen Fairclough from the EU Energy Focus team will be attending the conference and is available for one-to-one meetings. Please contact the EU Energy Focus team if you are attending the conference and would like to arrange to meet to discuss a proposal idea at the event.

4th UNI-SET Energy Clustering Event - Universities in the Energy Transition: Sustainable Transport and Carbon Capture, Storage & Use, London (UK), 27th and 28th March 2017

The event will be hosted by Imperial College London and is free of charge. The event is the fourth of a series of UNI-SET “Energy Clustering Events” which will take place in 2016 and 2017 to discuss and stimulate the development of innovative research and education programmes in the energy field. The events seek to mobilise the European university community to tackle the “energy challenge” by fostering exchange and collaboration between researchers, educators and other stakeholders, framed by the European Strategic Energy Technology Plan (SET-Plan) and the Energy Union. More information can be found at <http://www.eua.be/activities-services/events/event/2017/03/27/default-calendar/4th-uni-set-energy-clustering-event>

Background to the EU energy innovation funding programmes

Horizon 2020

Horizon 2020 (H2020) is the European Commission's research and development funding programme. The first H2020 Calls were launched on 11th December 2013. The total budget allocation is understood to be around €70.2B. Energy is likely to receive 7.7% of the available budget for H2020, over €5B for the period 2014-20. This compares to €2.35 billion under the previous programme, Framework Programme 7. More information can be found at <http://ec.europa.eu/programmes/horizon2020/>

The SET-Plan

The Strategic Energy Technology Plan (SET-Plan) outlines, from a European perspective, what needs to be done in terms of technology development, demonstration and deployment, to achieve the EU's 2020 energy and emission targets and its 2050 vision. This includes ensuring security of energy supplies and retaining the EU's competitiveness in world markets. In terms of status, it is a statement of EU energy technology policy, endorsed by Ministers and the Energy Council. The Plan puts a strong emphasis on the pooling of national innovation efforts into wider European co-operation.

In addition to supporting the development and deployment of energy efficiency technologies, the SET-Plan's priorities are split between a group of technologies identified as most likely to enable the EU to achieve its 2020 targets, and those that are important for it to achieve its 2050 vision. The technologies identified for 2020 are: 2nd generation biofuels; CO2 capture, transport and storage; wind, particularly off-shore wind; photovoltaic and concentrated solar power; smart grids; more efficient energy conversion and end-use devices and systems in buildings, transport and industry, for example poly-generation and fuel cells; and nuclear fission, including long-term waste management solutions. The technologies currently further away from deployment, but expected to have an important role in the EU meeting its 2050 vision are: energy storage; hydrogen fuel cell vehicles; generation IV nuclear fission; fusion; trans-European energy networks; and new technologies for energy efficiency, including materials, nano-science, information and communication, bioscience and computation. These priorities will be reviewed as necessary in line with technology developments to ensure that they remain the most appropriate and they will increasingly drive decisions on what technologies receive support under H2020 Energy grant funding and other relevant EU programmes. <http://setis.ec.europa.eu/>