

## 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.

## Update 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 now 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 have been 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 will be fully funded, even when these projects continue beyond the UK's departure from the EU. The Treasury will work 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 still remains a member of the EU. Further details will be provided ahead of the Autumn Statement.

## EU Energy Focus at Renewables Marketplace 2016, Liverpool (UK) 13<sup>th</sup> October 2016

Helen Fairclough from the EU Energy Focus team will be attending the conference on 13th October 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/events/renewables-marketplace-2016>

## Horizon 2020 – see page 8 for background

### Further 2017 Horizon 2020 Energy Calls Open

Two Horizon 2020 Energy Calls for Proposal opened on 20<sup>th</sup> September 2016 with a **total budget of €190M**. The Commission will fund research in biofuels, decarbonisation and smart grids. There is also funding in these Calls for smart grids demonstration projects and for market uptake projects for PV, heat pumps, CSP, wind energy, geothermal energy and sustainable fuels. The tables below show the topic areas and the budgets available for these Calls.

Opening	20th September 2016	
Deadline	5th January 2017	
Budget	€75M	
Call topics and expected EU funding per project, details at <a href="http://tinyurl.com/hfgd77o">http://tinyurl.com/hfgd77o</a>	Indicative budget (€M)	
<a href="#">LCE-08-2017</a> : Development of next generation biofuel technologies, €3M to €6M	10	
<a href="#">LCE-21-2017</a> : Market uptake of renewable energy technologies, €1M to €3M	15	
<a href="#">LCE-27-2017</a> : Measuring, monitoring and controlling the risks of CCS, EGS and unconventional hydrocarbons in the subsurface, €5M to €10M	15	
<a href="#">LCE-28-2017</a> : Highly flexible and efficient fossil fuel power plants, €3M to €6M	15	
<a href="#">LCE-29-2017</a> : CCS in industry, including Bio-CCS, €4M to €9M	20	
<a href="#">LCE-30-2017</a> : Geological storage pilots, €9M to €16M		

Opening	20th September 2016	
Deadline	14th February 2017	
Budget	€114.89M	
Call topics (funding action), expected EU funding per project, details at <a href="http://tinyurl.com/hfgd77o">http://tinyurl.com/hfgd77o</a>	Indicative budget (€M)	
<a href="#">LCE-01-2017</a> : Next generation innovative technologies enabling smart grids, storage and energy system integration with increasing share of renewables: distribution network, €2M to €4M	19	
<a href="#">LCE-04-2017</a> : Demonstration of smart transmission grid, storage and system integration technologies with increasing share of renewables, €15M to €20M	65.29	
<a href="#">LCE-05-2017</a> : Tools and technologies for coordination and integration of the European energy system, €2M to €4M (€0.5M to €1M for one element of topic)	30	
<a href="#">LCE-36-2016-2017</a> : Support to the energy stakeholders to contribute to the SET-Plan, €0.6M	0.6	

## European Information Days on the 2017 Calls for Proposals

Information Days on the 2017 Calls were held in Brussels in September/October, links to the recordings of the presentations and the slides can be found below:

- Energy Efficiency Information Day <https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>
- Virtual Information Day on research in low carbon energy, decarbonisation and social sciences and humanities in energy <https://ec.europa.eu/inea/en/news-events/events/h2020-energy-research-virtual-info-day>
- Smart Cities and Communities Information Day <https://ec.europa.eu/inea/en/news-events/events/2016-information-day-horizon-2020-smart-cities-and-communities>
- Smart Grids Information Day <http://ec.europa.eu/inea/en/news-events/events/2016-info-day-horizon-2020-smart-grids-and-storage>

**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\\_2016\\_17\\_v4.pdf](http://docs.euenergyfocus.co.uk/H2020_Energy_Call_summary_2016_17_v4.pdf)

Please check the published version of the Work Programme to ensure that you have the latest information on the topics compared to the 2016 version. The latest version of the Work Programme can be downloaded at [http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-energy\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-energy_en.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.

**We are happy to review your proposal summaries for eligibility now and as you develop your proposal. Please do get in touch to discuss your proposal ideas with us.**

## 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 CO<sub>2</sub>. **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 their role in helping to shape 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 strategy that is 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 and wider international business opportunities, against increasingly tough competition.

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

### 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>

### KIC InnoEnergy reopens 2016 Call for Innovation Proposals

The Call seeks European businesses – start-ups, SMEs or larger, who already have innovative sustainable energy projects at the research and development stage – but who need help in getting their product to market. The initial 2016 Call, which closed in April, received over 500 registrations of interest from innovators across Europe. KIC InnoEnergy now hopes to encourage additional applications. The second phase will run until **11<sup>th</sup> October 2016**. Once the Call is closed, the most promising projects will be invited to present their concepts to KIC InnoEnergy's Assessment Committees. The successful applicants will be announced on 19<sup>th</sup> December 2016. More information can be found at <http://www.kic-innoenergy.com/kic-innoenergy-reopens-2016-call-for-innovation-proposals/>

### EU Prize for Women Innovators open

The European Commission has launched the fourth EU Prize for Women Innovators to reward women who have achieved outstanding innovations and brought them to market. The

prize aims to raise awareness of the need for more female entrepreneurs and to inspire other women to follow in their footsteps. This year's prize is open to women of any nationality living in Member States and Associated Countries that have founded or co-founded a company with a turnover of at least €100,000. To spotlight a new generation, the 2017 edition also features a Rising Innovator category for female entrepreneurs aged 30 years or under. The first prize is worth €100,000, the second prize €50,000, third prize €30,000 and the Rising Innovator €20,000. The deadline for applications is **3<sup>rd</sup> November 2016**. More information can be found at <http://www.ec.europa.eu/women-innovators>

### European Institute of Innovation and Technology public consultation

A public consultation has been launched to help shape the future of the European Institute of Innovation and Technology (EIT). The general public and stakeholders in innovation, research and education are invited to share their views of the EIT and on how the EIT's work might be improved. **The consultation is open until November 2016**. Details can be found at <http://eit.europa.eu/newsroom/have-your-say-eit-public-consultation>

## UK news from the energy sector

### UK Carbon Capture & Storage Research Centre 2017 – Call for Proposals

Funding for the UK Carbon Capture and Storage Research Centre (UKCCSRC) is coming to an end in September 2017. To continue supporting research excellence within the Carbon Capture and Storage (CCS) community, the Research Councils UK (RCUK) Energy Programme is inviting proposals into an open Call for the renewal of a UK Centre specialising in CCS. Up to £6 million is available for a single award, with duration of five years. The deadline is **27<sup>th</sup> October at 16.00**. More details can be found at <https://www.epsrc.ac.uk/funding/calls/ccs>

### Emerging and enabling technologies: opportunity to apply for innovation funding

UK businesses are invited to apply for a share of £15 million to develop the innovative products, services and industries of the future. Innovate UK is investing up to £15 million in projects that will stimulate the new products and services of tomorrow. These new innovations will have the potential to unlock billions of pounds of value to industry and disrupt existing markets. The competition opens on Monday 3<sup>rd</sup> October 2016, the registration deadline is Wednesday 30<sup>th</sup> November 2016 and the application deadline is **Wednesday 7<sup>th</sup> December 2016**. More information can be found at

<https://www.gov.uk/government/news/emerging-and-enabling-technologies-apply-for-innovation-funding>

### Help shape the Energy Research Partnership's priorities for future research

The ERP (<http://erpuk.org/>) is considering priorities for future activity, this would be secondary research as the ERP does not give out funding, looking at knowledge gaps, misunderstandings, the log-jams in innovation and deployment, and the critical technologies going forward. Contributions are invited by email at [info@erpuk.org](mailto:info@erpuk.org), or by tweeting the ERP using the hashtag #ERPchoices.

### Launch event for Energy Research Partnership project on the implementation and implications of options for low-carbon heat, 11<sup>th</sup> October 2016, London

The project seeks to advance the debate on low-carbon heat and improve the understanding of the available options in terms of:

- Implementation: including retrofit practicalities, logistics for customers and utilities, and user acceptance of technologies.
- Systems Implications: including infrastructure requirements and primary energy demand.

The event will gather views from attendees to inform the project and help identify priority areas. More details including registration can be found at <http://erpuk.org/heat-event/>

### ETI publishes industry perspectives on how to deliver efficient networks for a low carbon future energy system

The Energy Technologies Institute has published a new report which examines options for reforming how investment in the UK's energy network infrastructure is governed and regulated as we move to a low carbon future. The 'Enabling efficient networks for low carbon futures' project commissioned 'think pieces' from four industry experts on the challenges for investment in the UK's energy network infrastructures and options for reform. All of the perspectives agreed on the need for new or reformed governance mechanisms to steer the transformation of the energy system and infrastructure – but a range of potential solutions were proposed. More information and the report can be downloaded at <http://www.eti.co.uk/eti-publishes-industry-perspectives-on-how-to-deliver-efficient-networks-for-a-low-carbon-future-energy-system/>

## Forthcoming events

### Renewables Marketplace 2016, Liverpool (UK) 12<sup>th</sup> and 13<sup>th</sup> October 2016

Renewables Marketplace 2016 for wind and marine energy is a targeted event, focussed on creative networking solutions and access to real-time information and intelligence. More information can be found at <http://events.renewableuk.com/events/renewables-marketplace-2016>

**Helen Fairclough from the EU Energy Focus team will be attending the conference on 13<sup>th</sup> October and will be 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.**

### Horizon 2020 Information Day on Public Private Partnerships (PPPs), Brussels (Belgium) 14<sup>th</sup> October 2016

The aim of the event is to give the research community an overview of ongoing activities in the following PPPs: Factories of the Future, Energy-efficient Buildings, Sustainable Process Industry and European Green Vehicles Initiative. Support will be given to inform the preparation of proposals for the 2017 Calls. The event will be web streamed and recorded. More information and the link to the registration page can be found at <http://ec.europa.eu/research/index.cfm?pg=events&eventcode=E8549B02-9403-39F9-E71BF7B28BF5B857>

**Innovate 2016, Manchester (UK), 2<sup>nd</sup> and 3<sup>rd</sup> November 2016**

Organised by the Department for International Trade and Innovate UK, this event will showcase the UK's world-beating innovations. It is an opportunity for delegates to connect with research partners, export opportunities and investors who can help businesses to scale and grow. More information can be found at <https://www.events.ukti.gov.uk/innovate-uk-2016/>

## 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 11<sup>th</sup> 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/>