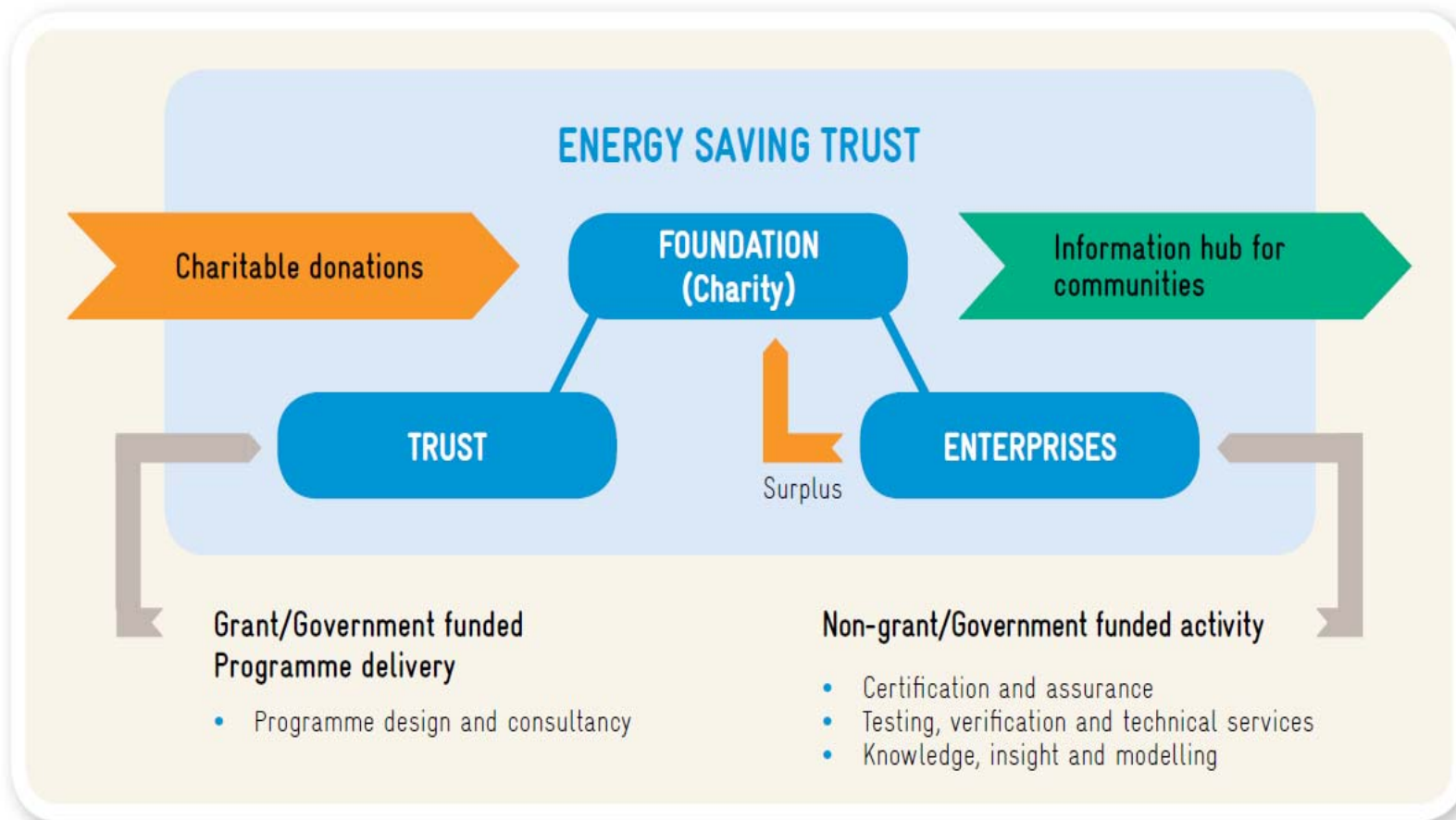


Accessing EU funding and associated EST activity

Catherine Duggan
Head of North



Who we are



What we do



- Our mission is to deliver independent, impartial and accurate advice on how communities and householders can reduce carbon emissions, use water more sustainably, and help save money on their energy bills
- We seek to do this because the UK has a pressing need to:
 - reduce its energy and water use and carbon emissions;
 - lessen the effect of climate change; and
 - lessen the effect of escalating household energy costs.
- We are at the forefront of the domestic green economy, with more than 20 years of data-gathering, knowledge, insight and expertise, we have a wealth of information at our fingertips

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Our EU expertise



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saving
trust

- We have been working with European agencies and providing Local Authorities with advice for many years on EU projects.
- We are currently involved in a number of EU initiatives:
 - **European Energy Network (EnR)**: we are a member of this voluntary network of 24 European energy agencies promoting sustainable energy, disseminating best practice and strengthening collaborative working across Europe.
 - **Covenant of Mayors** - we are a supporting structure for the Covenant of Mayors.
 - National Contact Point (on behalf of DECC) and joint coordinator of the **Concerted Action for the Energy Services Directive** (CA ESD) and National Contact Point (on behalf of DECC) and joint leader of the Working Group on Renewables in Buildings and District Heating in the **Concerted Action for the Renewables Directive** (CA RES)
 - **Campaign Associate of the Sustainable Energy Europe Campaign**, a EC initiative which aims to raise awareness and promote sustainable energy production and use among individuals and organisations, private companies and public authorities, professional and energy agencies, industry associations and NGOs across Europe
- We have a dedicated European and International team based in London working with our Local Delivery team based across England.

Our EU projects – 4 recent wins



IEE 2013 Summary		
PROJECT	OBJECTIVE	OUR ROLE
ENSPOL	Exchanging knowledge on the implementation of energy efficiency obligation schemes to improve and inform implementation of Art 7 of the Energy Efficiency Directive	WP4 Leader, engaging stakeholders across EU (close ties with our work in the Concerted Actions and EnR), as well as data gathering and disseminating across the UK
FRonT	Provide a better understanding and knowledge of the potential market and uptake for renewable heating and cooling technologies	Developing a model to help identify the potential market for technologies, conducting data collection and analysis
i-CVUE	Increase the number of EVs in large fleets in urban areas, providing mentoring to pan-EU fleet operators and scenario modelling for policy makers on the impacts of incentives on EV takeup	Co-ordinator, provide fleet mentoring, support development of incentives impact model, hold national workshops
Request2Action	To increase the uptake of EPC recommendations by developing Hubs - one stop shops for data on EPCS and the costs/benefits for low carbon retrofit.	Co-ordinator, developing EU-wide HECS, leading the data pilots (including a data platform for policy makers and LAs in Scotland, dissemination of results in UK and support EU wide dissemination

Horizon 20:20 - overview

- Biggest EU Research & Innovation funding programme EVER!!
- *“Research and innovation as part of the drive to create new growth and jobs in Europe”*
- ~€70billion available over 7 years (2014 – 2020)
- What’s new:
 - brings together 3 separate programmes/initiatives (FP7, CIP & EIT) as single programme
 - Couples research to innovation (from research to retail)
 - Focus on societal challenges (e.g. health, clean energy and transport)
 - Simplified access (for all companies, universities, institutes in all EU countries and beyond).

Horizon 20:20 – dedicated website

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saving
trust



The image is a promotional banner for Horizon 2020. At the top center, there is a logo for the European Commission, which includes the European Union flag (a circle of twelve gold stars on a blue background) and the text 'European Commission' below it. The main background of the banner is a deep blue space scene with a glowing globe of Earth on the left side. The text 'HORIZON 2020' is written in large, bold, yellow capital letters in the center-right. Below this, the text 'Thank you for your attention!' is written in a similar bold, yellow font. At the bottom, the text 'Find out more: www.ec.europa.eu/horizon2020' is written in white. A small blue box with the text 'HORIZON 2020' is located at the bottom center of the banner.

Horizon 20:20 - core elements

- Responding to economic crisis
- Addressing people's concerns about their livelihoods, environment and safety
- Strengthening the EUs global position in research, innovation and technology.
- Three 'priority areas' for funding:
 - Excellent science (€24 billion)
 - Industrial leadership (€17 billion)
 - Societal challenges (€29 billion)

Horizon 20:20 - split of funding

Excellent Science	<ul style="list-style-type: none">• European Research Council – frontier research (€13 bn)• Future and Emerging Technologies – collaborative research to open new fields of innovation (€3bn)• Marie Curie – training and career development (€6bn)• Research infrastructure – (including e-infrastructure) (€2bn)
Industrial leadership	<ul style="list-style-type: none">• Leadership in enabling & industrial technologies – ICT, manufacturing, (€13.5bn)• Access to risk finance – leveraging private finance and venture capital for research and innovation (€3bn)• Innovation in SMEs (€0.5bn)
Societal challenges	<ul style="list-style-type: none">• Health, demographic change and well being (€7bn)• Food security, sustainable agriculture and forestry, marine and maritime and inland water research and bioeconomy (€4bn)• <u>Secure, clean and efficient energy</u> (€6bn)• Smart, green and integrated transport (€6bn)• Climate action, environment, resource efficiency and raw materials(€3bn)• Inclusive, innovative and reflective societies (€1 bn)• Secure societies (€2bn)

Horizon 20: 20 - find your area

The image displays three overlapping screenshots of the Horizon 2020 website in Internet Explorer, illustrating the navigation path to find a specific research area. Red circles and arrows highlight the key elements:

- Left Screenshot:** Shows the main "Find your area" page. The "Energy" link in the list of areas is circled in red.
- Middle Screenshot:** Shows the "Energy" sub-page. The "Energy" title and the "Related Horizon 2020 sections" list (including "Secure, Clean and Efficient Energy" and "Euratom") are circled in red.
- Right Screenshot:** Shows the "Energy" page with a "Links" section and "Related Horizon 2020 Sections" section. The "Related Horizon 2020 Sections" list (including "Secure, Clean and Efficient Energy" and "Euratom") is circled in red.

The "Related Horizon 2020 Sections" section in the right screenshot lists:

- Secure, Clean and Efficient Energy
- Euratom

The "Links" section in the right screenshot lists:

- Energy Research and Innovation
- Digital Agenda for Europe - Smart cities
- Strategic Energy Technologies Information System
- Energy Research Knowledge Centre
- Energy strategy for Europe

The "Calls" section in the right screenshot lists:

- Energy Efficiency - PPP EeB and SPIRE topics
Deadline: Thu, 20 Mar 2014
- Call for Energy-efficient Buildings
Deadline: Thu, 20 Mar 2014

A vertical "FEEDBACK" button is visible on the right side of the rightmost screenshot.

Horizon 20:20 – secure, clean & efficient energy



- Budget of nearly €6 billion for non-nuclear energy research
- Split into 3 focus areas:



FOCUS AREA	AIM
Energy Efficiency	<ul style="list-style-type: none"> • to progressively decrease primary energy consumption by 2020 and 2030. • Research and demonstration activities within this area will focus on buildings, industry, heating and cooling, SMEs and energy-related products and services, integration of ICT and cooperation with the telecom sector
Low Carbon Technologies	<ul style="list-style-type: none"> • to develop and bring to market affordable, cost-effective and resource-efficient technology solutions to decarbonise the energy system in a sustainable way, secure energy supply and complete the energy internal market. • Research activities within this area will cover: Photovoltaics, Concentrated Solar Power, Wind energy, Ocean Energy, Hydro Power, Geothermal Energy, Renewable Heating and Cooling, Energy Storage, Biofuels and Alternative Fuels, Carbon Capture and Storage
Smart Cities and Communities	<ul style="list-style-type: none"> • integrate approaches, both in terms of research and development of advanced technological solutions, as well as deployment. • focus on smart cities technologies will result in commercial-scale solutions with a high market potential

Horizon 20:20 – energy efficiency work programme



Energy Efficiency – 21 calls and timetable

(A) Buildings and consumers

- EE1 – 2014 : Manufacturing of prefabricated modules for renovation of buildings
- EE2 – 2015: Buildings design for new highly energy performance buildings
- EE3 – 2014: Energy strategies and solutions for deep renovation of historic buildings; EE4 – 2014: Construction skills
- EE5 - 2014/2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation.
- EE6 – 2015: Demand response in blocks of buildings
- EE7 - 2014:/2015: Enhancing the capacity of public authorities to plan and implement sustainable energy policy and measures
- EE8 – 2014: Public procurement of innovative sustainable energy solutions
- EE9 – 2014/2015: Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures
- EE10 – 2014/2015: Consumer engagement for sustainable energy
- EE11 – 2014/2105 – New ICT- based solutions for energy efficiency
- EE12 – 2014: Socioeconomic research on energy efficiency

(B) Heating and cooling

- EE13 – 2014/2015: Technology for district heating and cooling
- EE14 - 2014/2015: Removing market barriers to the uptake of efficient heating and cooling solutions

(C) Industry and products

- EE15 – 2014/2015: Ensuring effective implementation of EU product efficiency legislation
- EE16 – 2014/2105: Organisational innovation to increase energy efficiency in industry
- EE17 – 2015: Driving energy innovation through large buyer groups
- EE18 – 2014/2015: new technologies for utilisation of heat recovery in large industrial systems, considering the whole energy cycle from heat production to transformation, delivery and end use.

(D) Finance for sustainable energy

- EE 19 – 2014/2105: Improving the finaceability and attractiveness of sustainable energy investments
- EE20 - 2104/2015: project development assistance for innovative bankable and aggregates sustainable energy investment schemes and projects
- EE21 – 2104/2105: development and market roll-out of innovative energy services and financial schemes for sustainable energy

Horizon 20:20 –low carbon energy work programme



Low Carbon Energy – 22 calls and timetable

	<ul style="list-style-type: none"> LCE 1 – 2014 : Manufacturing of prefabricated modules for renovation of buildings
Renewable electricity and heating/cooling	<ul style="list-style-type: none"> LCE2 – 2014/2105: development the next generation technologies of renewable elec. & heating/cooling LCE3 – 2104/2015: Demonstration of renewable electricity and heating/cooling technologies LCE4 – 2014/2015: Market uptake of existing and emerging renewable elec, heating & cooling tech.
Modernising the European electricity grid	<ul style="list-style-type: none"> LCE5 – 2015: Innovation and technologies for the deployment of meshed off-shore grids LCE6 – 2015: transmission grid and wholesale market LCE7- 2014: Distribution grid and retail market
Providing the energy system with flexibility through enhance energy storage technologies	<ul style="list-style-type: none"> LCE8 – 2014: Local/small scale storage LCE9 – 2015: Large scale energy storage LCE10 – 2014: Next generation technologies for energy storage
Sustainable biofuels and alternative fuels for European transport fuel mix	<ul style="list-style-type: none"> LCE11 – 2014/2015: Development next generation technologies for biofuels and sustainable alt. fuels LCE12 – 2014/2015: Demonstrating advanced biofuel technologies LCE13 – 23015: Partnering with Brazil on advanced biofuels LCE14 – 2014/2015: Market uptake of existing and emerging sustainable bioenergy
Enabling the decarbonisation of the use of fossil fuels during the transition to a low carbon economy	<ul style="list-style-type: none"> LCE15 – 2014/2015: Enabling decarbonisation of the fossil fuel-based power sector and energy intensive industry through CCS LCE16 – 2104: Understanding, preventing and mitigating the potential environmental impacts and risks of shale gas exploration and exploitation LCE17 - 2015: Highly flexible and efficient fossil fuel power plants
Supporting the development of a European research areas in the field of energy	<ul style="list-style-type: none"> LCE18: 2014/2015: Supporting Joint Actions on demonstration and valuation of innovative energy solutions LCE19- 2014/2015: Supporting coordination of national R&D activities
Social and environmental and economic aspects of the energy system	<ul style="list-style-type: none"> LCE20 – 2014: The human factor in the energy system LCE21 – 2105: Modelling and analysing the energy system, its transformation and impacts
Cross-cutting issues	<ul style="list-style-type: none"> LCE22 – 2014: Fostering the network of National Contact Points

Horizon 20:20 – smart cities & communities work programme



Smart cities and communities – 5 calls and timetable



Enhancing the roll-out of Smart Cities and Communities solutions by stimulating the market demand

- SCC 1 – 2014/2105: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration – first of the kind) projects
- SCC2 – 2104: Development a framework for common, transparent data collection and performance measurement to allow comparability and replication between solutions and best-practice identification
- SCC 3 – 2015: Development of system standards for smart cities and communities solutions
- SCC4 – 2104: Establishing networks of public procurers in local administration on smart city solutions
- SCC5 – 20145: Smart solutions for creating better cities and communities – assistance for a prize competition

Horizon 20: 20 – how to participate?

HOME | FUNDING OPPORTUNITIES | **HOW TO PARTICIPATE** | EXPERTS | SUPPORT ▾ | LOGIN | REGISTER

H2020 Online Manual
Reference Documents
Beneficiary Register
Financial Capacity Self-Check
SME Participation



How to participate

H2020 ONLINE MANUAL

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their **PICs**
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME

FIND a call (1) | FIND partners (2) | CREATE your account (3) | REGISTER your organisation (4) | SUBMIT a proposal (5)

Step 1 - Find a suitable Call for Proposals

H2020 ONLINE MANUAL

The Commission publishes on the Participant Portal all the Calls of its research and innovation programmes [H2020](#), and you can search calls from previous programmes ([FP7](#) and [CIP](#)). In addition you can find information about some additional calls in the [Other Funding Opportunities](#) section. If you apply for the first time and do not know yet the programmes, it is useful to read the H2020 Online Manual. It helps you choose the most suitable programme for your area and profile. Besides, you can [search according to your research topic](#) with key words and set filters in the calls list.

Your [National Contact Point](#) can also help you find the most suitable call for your profile. SMEs are in addition supported by the [Enterprise Europe Network](#).

Internet | Protected Mode: On

Last pointers....

- **Collaboration**- you need at least 3 partner organisations from different EU Member States
- **Eligible costs** - make sure you understand the reimbursement rates, evidence needed and timetable for payment of direct and indirect costs
- **Deadlines** – you must submit your proposal before the call closes so check
- **Evaluation** – it takes at least 5 months for your proposal to be evaluated so build that in to your timescales

.....GOOD LUCK!!!!!!

Thank you

How to get in touch...

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