

SHAPE ENERGY & Cambridge City Council invite you to:

'Zero carbon Cambridge: achieving low-energy housing via multi-stakeholder collaboration'
a workshop informing both regional and EU-level policy

Time/Date: Tue 14 Nov 2017 (morning, with lunch)

Location: Committee Rooms 1 and 2, Guildhall, Cambridge

Low-energy housing in Cambridge

As part of Cambridge City Council's Climate Change Strategy for 2016-2021, an aspiration has recently been set for Cambridge to be zero carbon by 2050. To meet this, emissions from the city will need to reduce at an even more rapid rate over the next few decades, requiring key organisations such as local authorities, businesses, universities and colleges, and voluntary / community groups to work more closely together. This reduction in emissions must also be achieved at a time of rapid growth; in Cambridge and South Cambridgeshire, at least 1,700 new homes need to be built every year to meet assessed needs. Considering how both new and existing housing can meet low energy targets will be critical in the Climate Change Strategy's success.

A need for greater collaboration

Looking to the wider context, energy-related policymaking in recent decades (including within housing) has been led, in large part, by technological innovations (e.g. 'smart', 'passive', 'retrofit'). This has arguably under-utilised understandings developed by the *Social Sciences and Humanities* (SSH), for example the ethical, moral, or social justice implications of new technologies and infrastructure, which can in turn affect their acceptance and use. As identified through initial consultation at the City Leaders Climate Change meeting, realising a low carbon future will require significant emphasis on *meaningful collaboration between many city stakeholders*, and must include both technical and social understandings. It is in this context that the European Commission has invested in the two-year €2m [SHAPE ENERGY](#) Platform, led out of the Global Sustainability Institute (GSI), at Anglia Ruskin University, Cambridge, UK (see p3 of this invitation). One of SHAPE ENERGY's core activities, as part of a focus on local (city) energy challenges, is the organisation of 18 multi-stakeholder workshops across 18 countries over 2017-2018; this Cambridge workshop is one of the first of these. These local energy challenges will be discussed in light of the next 10-20 years and in terms of how different groups, including SSH researchers, can work together to combat them. Findings will be reported directly back to the European Commission's DG Research & Innovation, and feed into future EU-level priorities.

Workshop aims

This workshop will bring together invited stakeholders concerned with the future of housing in Cambridge to discuss local targets, and pathways to meet these. In this context, participants will:

- discuss the past constraints, current state, and possible future of housing in Cambridge;
- react to the Cambridge City Council's Climate Change Strategy, Greater Cambridge Partnership and the wider Combined Authority investment plans and implications for (sustainable) housing;
- identify where multi-stakeholder collaborations for local low-energy housing initiatives have been most productive/challenging, and discuss some of the reasons for this;
- debate which areas of sustainable housing have received the most/least attention and funding (and from whom), and the implications of this;

- consider how best to strengthen dialogue among local housing stakeholders and provide policy-relevant advice to local policymakers;
- reflect on the sorts of evidence/information/research that would most assist local (Cambridge) stakeholders in generating new local innovations;
- inform the direction of the new City Leaders Climate Change group; and
- directly influence outputs from the SHAPE ENERGY Platform and recommendations provided to the European Commission (in terms of local energy policymaking).

At the end of the workshop, both actions and research priorities around the challenge of housing in Cambridge will have been identified. The aim is thus to generate a diversity of perspectives on local housing challenges – what their causes are and how to combat these challenges – and to also generate actionable advice for local government, academia, business and NGOs. Those involved in the workshop will also have direct links into early findings from the 17 other [European city workshops](#) being held as part of the SHAPE ENERGY platform.

Workshop participants

This will be an invite-only gathering of 20-30 leading local stakeholders across a wide range of organisations, including local government, business, academia and NGOs, working to further the sustainable housing agenda in Cambridge. In addition, there are likely to be representatives from a number of SHAPE ENERGY partners, as well as the European Commission. Refreshments (including lunch) will be provided. If you are unable to attend this meeting, or feel this event would be more appropriate for someone else in your organisation, please let us know.

Draft agenda

09:00	<i>Refreshments, sign-in</i>
09:30	Welcome, introduction to the SHAPE ENERGY project and who's in the room <i>Dr Chris Foulds, Global Sustainability Institute</i>
09:40	Context: zero carbon Cambridge & housing targets <i>David Kidston, Strategy and Partnerships Manager, Cam City Council</i>
09:50	Structure and methods of the workshop <i>Dr Rosie Robison, Global Sustainability Institute</i>
10:00	Identifying challenges (four smaller groups)
11:00	<i>Refreshment break</i>
11:15	Partnerships to deliver zero carbon homes: Cambridge case studies, + group discussion <i>Emma Davies, Senior Sustainability Officer (Design and Construction), Cam City Council</i> Experiences from the Virido site, developed in partnership with Hill to Code Level 5, and work on Cam City Council's Sustainable Housing Design Guide, as used by the Greater Cambridge Housing Development Agency. Emma will outline her thoughts on some of the challenges in making zero carbon homes more mainstream and the many and varied roles of local authorities in this work.
12:00	Envisioning solutions to challenges identified (four smaller groups)
13:00	Summary, feedback, next steps and future workshops
13:10	<i>Lunch, continued informal discussion</i>

Please RSVP (with any dietary reqs) **within 2 weeks of invitation** to: lenke.balint@anglia.ac.uk

Lenke Balint, Dr Chris Foulds, Dr Rosie Robison, Prof Aled Jones, Janet Fogg
Workshop organisers

[Global Sustainability Institute](#), Anglia Ruskin University, & [Cambridge City Council](#)

Introducing the EU Horizon 2020

SHAPE ENERGY Platform

(2017-2019)



SHAPE ENERGY

Overview: *Social Sciences and Humanities for Advancing Policy in European Energy* (SHAPE ENERGY) is a €2m investment through the EU Horizon 2020 programme. Specifically, it represents a new European platform for energy-related social sciences and humanities (energy-SSH). Energy-SSH has played less of a role to date in shaping (European) energy policy than Science, Technology, Engineering and Mathematics (STEM) disciplines. In funding this project, the European Commission is supporting better integration of energy-SSH into the policy process. SHAPE ENERGY will run from 1 February 2017 for two years, and is co-ordinated by the Global Sustainability Institute, Anglia Ruskin University (Cambridge, UK).

Aims: SHAPE ENERGY aims to develop Europe's expertise in using and applying energy-SSH. Our innovative Platform will unite those who 'demand' energy research, because they can use it to develop practical initiatives, with those who 'supply' that research. Each of our Platform activities (below) will create space for these two groups to meet and collaborate in 'shaping' the European energy agenda. This will build deep and shared understanding of what is needed and what is possible, as well as stretching their collective ambition.

Activities: The Platform will co-ordinate an exciting array of activities, including: 18 multi-stakeholder workshops in partnership with cities across Europe; MEP workshops in Brussels; conferences; Horizon 2020 sandpits; early career researcher summer schools and secondments to Horizon 2020 energy projects; funding for collaborative think pieces; funding for an innovative 'research design challenge'; and online policymaker-citizen debates. SHAPE ENERGY will also undertake an extensive review of the current state of the energy-SSH research landscape, and attempt to bring European energy researchers/practitioners together around a commonly agreed framework for future interdisciplinary energy-related endeavours. SHAPE ENERGY will ultimately provide the European Commission with recommendations for the future direction of the energy work programme in Horizon 2020 and beyond.

Disciplines: SHAPE ENERGY will work across the full range of social sciences and humanities, including energy-related research (both current and potential) within: Business, Communication Studies, Demography, Development, Economics, Education, Environmental Social Science, Gender, History, Human Geography, Law, Philosophy, Planning, Politics, Psychology, Science and Technology Studies, Sociology, Social Anthropology, Social Policy, and Theology.

Partners: The SHAPE ENERGY consortium includes: Anglia Ruskin University, UK; Karlsruher Institut fuer Technologie, Germany; Politecnico di Torino, Italy; École Nationale des Travaux Publics de l'État, France; Norges Teknisk-Naturvitenskapelige Universitet, Norway; Middle East Technical University, Turkey; Univerzita Tomase Bati ve Zline, Czech Republic; Black Sea Energy Research Centre, Bulgaria; Energy Cities, France; Friends of Europe, Belgium; Duneworks, Netherlands; Acentoline Comunicación Editora, Spain; and European Council for an Energy Efficient Economy, Sweden.

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