

EUROPE'S LOCAL ENERGY CHALLENGES

17 MULTI-STAKEHOLDER CITY WORKSHOPS

- **SHAPE ENERGY** is a platform for energy-related social sciences and humanities (SSH), funded by the EU's Horizon 2020 programme
- In 2017-2018, it ran workshops across 17 European countries with a variety of lead partners
- The aim of these workshops was to explore how SSH could impact local or regional energy challenges
- They used innovative storytelling methods to bring diverse stakeholders together



The full report on the workshops, including stories created at each event, is available for further reading

Examples of Workshops linked to 'Energy Efficiency' (SHAPE ENERGY topic 1)

#históriasdeenergia

LISBON

Location	Lisbon, Portugal
Hosts	Energy Cities/Lisboa E Nova
Goals	<ul style="list-style-type: none"> • promote initiatives supporting energy efficiency and urban renewal • identify barriers and solutions to leverage innovative financial mechanisms
Proposals	<ol style="list-style-type: none"> 1. Raise awareness, notably through interactive and educational platforms 2. Create technical support organisations/facilities for designers and consumers 3. Rethink the legal model, notably Portugal's Civil Code and its majority/unanimity decision rules

#energystories

CAMBRIDGE

Location	Cambridge, UK
Hosts	Anglia Ruskin University/Cambridge City Council
Goals	<ul style="list-style-type: none"> • find out how low-energy housing can help meet Cambridge's 'zero carbon by 2050' goal
Proposals	<ol style="list-style-type: none"> 1. Focus on young people, notably through school workshops and curricula 2. Identify how to build visions and influence policy levers in planning for new homes 3. Work with developers, councils and researchers on shared metrics for new housing developments including energy performance information

#energieverhalen

UTRECHT

Location	Utrecht, Netherlands
Hosts	Duneworks/Municipality Utrecht
Goals	<ul style="list-style-type: none"> • discuss the sustainable renovation of property owned by landlords
Proposals	<ol style="list-style-type: none"> 1. Build strong tenants cooperation, and gather stakeholders to discuss concrete plans acceptable to all parties involved 2. Ensure that stakeholders see each other as equals and improve communication 3. Work towards adjustment of policy regulations and laws for landlords on tenant participation and energy performance of houses

Examples of Workshops linked to 'Competitive, Secure, Low-Carbon Energy Supply' (SHAPE ENERGY topic 2)



#енергийниистории

Location	Sofia, Bulgaria
Hosts	Black Sea Energy Research Centre
Goals	<ul style="list-style-type: none"> • develop a common vision about the contribution of Renewable Energy Sources (RES) in Bulgaria's electricity supply between 2030 and 2050
Proposals	<ol style="list-style-type: none"> 1. Provide financial support to small-scale RES 2. Place annual quotas for large-scale RES, according to grid capabilities 3. Initiate studies on consumer behaviour, education, training and information in order to change behaviours and perceptions of consumers

#příběhyenergetiky

ZLIN

Location	Zlin, Czechia
Hosts	Tomas Bata University
Goals	<ul style="list-style-type: none"> • formulate key questions to feed into Zlin's strategic energy visions for 2030
Proposals	<ol style="list-style-type: none"> 1. Focus on environmentally friendly public transportation, notably in terms of its availability, the concept of electric cars and electric vehicle charging stations 2. Factor in potential legislative barriers and interventions of other groups already running projects without any legal responsibility 3. Improve awareness of citizens and ensure a high level of education in the areas of resource management, traffic systems and infrastructure

#histoiresd'energie

BRUSSELS

Location	Brussels, Belgium
Hosts	Energy Cities
Goals	<ul style="list-style-type: none"> • find how public actors can support and develop energy transition initiatives carried out by citizens
Proposals	<ol style="list-style-type: none"> 1. Support small citizen initiatives through a future common branding 2. Hold random lotteries to finance projects 3. Improve awareness across all social classes

Examples of Workshops linked to 'System Optimisation & Smart Technologies' (SHAPE ENERGY topic 3)



#storiedienergia

TURIN

Location	Turin, Italy
Hosts	Politecnico di Torino/Iren
Goals	<ul style="list-style-type: none"> • consider the decentralisation of renewable energy production and transmission over the next 10-20 years
Proposals	<ol style="list-style-type: none"> 1. Increase the integration of SSH disciplines to soften or overcome barriers to energy transition 2. Improve education and awareness 3. Develop new business models for energy providers



#povestileenergiei

CHISINAU

Location	Chisinau, Moldova
Hosts	Black Sea Energy Research Centre/Sveatoslav Postoronica Mihai Lupu
Goals	<ul style="list-style-type: none"> • discuss the future model of the heating system of Chisinau
Proposals	<ol style="list-style-type: none"> 1. Centralise heating systems to make heat and domestic hot water available for every consumer, mitigate pollution, increase energy security, decrease health impacts and reduce energy bills 2. Initiate studies on: <ol style="list-style-type: none"> (1) impacts of individual heating boilers on environment and human health; (2) assessing benefits of centralised heating systems 3. Implement a step-by-step transition to centralised autonomy heating (Individual Thermal Points), of Demand-Side Management and increasing the level of SMART-ness



#histoiresd'energi

LYON

Location	Grand Lyon, France
Hosts	Ecole National des Travaux Publics de l'Etat/Energy Cities/Grand Lyon local authority
Goals	<ul style="list-style-type: none"> • discuss transversal approaches to energy within the Grand Lyon local authority
Proposals	<ol style="list-style-type: none"> 1. The local council should decide on a common goal for the whole municipality, after having shared and debated in several stages the ambitions of its climate plan 2. Involve new politicians who wish to transform the town to be more sustainable, who are willing to accept experimentation, and who wish to engage with the model of 'freed business' 3. Embed the need for energy transition into services and with political partners

Examples of Workshops linked to 'Transport Decarbonisation' (SHAPE ENERGY topic 4)



#energifortellinger

TRONDHEIM

Location	Trondheim, Norway
Hosts	Norwegian University of Science and Technology/Trondheim Municipality
Goals	<ul style="list-style-type: none"> • explore the decarbonisation of Trondheim's transportation sector
Proposals	<ol style="list-style-type: none"> 1. Further study issues of car infrastructure, biking infrastructure and mobility in different seasons (particularly winter) 2. Explore ridesharing and the organisation of family transportation 3. Stimulate the creation of a 'low emission culture' with help from SSH insights



#povestileenergiei

BRASOV

Location	Brasov, Romania
Hosts	Black Sea Energy Research Centre
Goals	<ul style="list-style-type: none"> • identifying challenges and solutions to sustainable regional transport in Brasov
Proposals	<ol style="list-style-type: none"> 1. Amendments to public transport legislation in the medium term to increase quality of life and mobility for all social and demographic groups 2. Harmonisation of legislation with community requirements 3. Development of electric transportation, roads, rail, bicycle, park and ride infrastructure



#енергетскиприказани

SKOPJE

Location	Skopje, Macedonia
Hosts	Black Sea Energy Research Centre
Goals	<ul style="list-style-type: none"> • examining the role of energy efficiency in the reduction of air pollution in Skopje
Proposals	<ol style="list-style-type: none"> 1. Allocate funds for electric buses, tramway infrastructure, trolleybuses, bicycle pathways, etc. 2. Launch campaigns to raise public awareness 3. In the long-term: introduce driverless public transport, smart household programmes and environmental fees

The other five workshops covered the following topics: refurbishment of multi-apartment buildings (Riga, Latvia), energy citizens (Heidelberg, Germany), sustainable transition of district heating systems (Belgrade, Serbia), a multi-stakeholder approach to energy poverty (Granada, Spain), energy efficiency and building insulation policy (Ankara, Turkey)

This is a Social Sciences and Humanities for Advancing Policy in European ENERGY resource.

SHAPE ENERGY is a €2m European platform for energy-related Social Sciences and Humanities (energy-SSH) which is working to develop Europe's expertise in using and applying energy-SSH. Over 2017-2019 SHAPE ENERGY is running a wide range of activities and producing resources of use to researchers, businesses, policymakers, and NGOs.

