



SHAPE ENERGY

SOCIAL SCIENCES AND HUMANITIES FOR
ADVANCING POLICY IN EUROPEAN ENERGY



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731264.

@ShapeEnergyEU

**Social Sciences & Humanities
For energy**

IEA DSM Day

October 1st 2018

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SHAPE ENERGY co-leads



What is SHAPE ENERGY?

Social Sciences and Humanities (SSH) for Advancing Policy in European Energy

- 2017-2019
- H2020 Platform on using and applying energy-SSH
- Feeding into the EC Innovation and Research Agenda
- Contributing to the workprogramme of HorizonEurope
- **@ShapeEnergyEU**



SSH received 4% of total SC3 (Energy Work Programme) budget in 2016

Budget allocated to SSH-flagged topics and to SSH partners (million €)					
Horizon 2020 parts	Total budget 2016 calls	Budget allocated to SSH-flagged topics	Budget going to SSH partners	Share of budget going to SSH partners under SSH-flagged topics	Share of budget going to SSH partners out of the total call budget
SC1	265	208	9	5%	4%
SC2	267	69	15	22%	6%
SC3	403	148	17	12%	4%
SC4	343	141	24	17%	7%
SC5	135	43	23	53%	17%
SC6	93	86	59	68%	63%
SC7	147	86	8	9%	5%
Total SC	1651	779	155	20%	15%
LEIT-ICT	460	109	24	23%	5%
LEIT-NMBP	249	3	1	37%	0.46%
LEIT-SPACE	92	0	0	0%	0%
Total LEIT	801	112	26	23%	3%
Total	2452	891	181	20%	7%
Total ex. SC6	2359	805	122	18%	5%

Of this 4%, around half went to economics and political science. A very small fraction went to: Law, Arts, Anthropology, Communication, Geography, Education

(SSH partner means > 66% experts in grant agreement have SSH expertise)



Why is SSH relevant for energy?

- Energy is only needed to service the needs of the people
- Not only a technological problem
- SSH puts people at the heart of the questions asked and the problems defined





What is 'energy-SSH'?

Energy-related Social Sciences and Humanities



Energy-related Social Sciences

Energy-related Humanities



The energy-related *Social Sciences*

e.g. Economics, Psychology, Sociology, Anthropology, Political Science, Human Geography, etc.

= studying norms, values, perceptions, beliefs, attitudes, regulations, institutions, behaviours, practices, etc. that organise how humans interact with the energy system.

→ Provide lessons for how to alter human action to more 'desirable' ends.



The energy-related *Humanities*

e.g. Philosophy, Law, Theology, History, etc.

= studying issues of equity, fairness, duty, faith, morality, attribution, care, justice, charity, cruelty, etc. in the context of the energy system.

Not simply about 'action'. Spotlight on taken-for-granted priorities of society.

→ Lessons on what is 'right' ('desirable' even?)



e.g. SHAPE ENERGY on energy efficiency

Useful outputs?

- Reasons for why predicted energy use and actual energy use differ.
- Clearer expectations of how energy efficiency measures change people's everyday lives
- Opportunities for how industry can optimise its approach to get the most out of their innovations.
e.g. designing; marketing; change to their jobs.



SHAPE ENERGY resources



Including:

- Annotated energy-SSH bibliographies on four topics
- Cross-cutting theme reports (e.g. energy & gender)
- Research design challenges
- Workshops and report



Where to find energy-SSH expertise

**Energy-SSH Platform –
SHAPE ENERGY
Energy-SSH Forum,
funded from 2019**

**SHAPE ENERGY researcher
database and bibliographies**

Disciplinary networks

European Sociological Association
Royal Geographical Society
European Energy Anthropology Network
Political Economy of Energy Transitions
European Forum on the Study of Religion &
Environment

SSH-flagged H2020 energy projects

**+
H2020 Energy-SSH projects
(~3 per year)**

- Social innovation (2018)
- Carbon intensive regions (2019)

Journals

- *Energy Research &
Social Science*
- *Energy Policy*
- ...

SSH-flagged H2020 energy projec



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