

# SHAPE ENERGY ANNOTATED BIBLIOGRAPHIES

AN ENERGY-RELATED SOCIAL SCIENCES & HUMANITIES RESOURCE

Our Annotated Bibliographies are systematic reviews of over 600 research publications from scholars working in the Social Sciences/Humanities on energy topics.

WHO ARE THEY  
AIMED AT?

STUDENTS

POLICYMAKERS

RESEARCHERS

PRACTITIONERS

WHAT DID  
WE DO?

# 1

## WE TOOK THE SHAPE ENERGY TOPICS:

- (1) Energy efficiency and using less
- (2) Competitive, secure, low-carbon energy supply
- (3) Energy system optimisation and smart technologies
- (4) Transport decarbonisation

# 2

## WE COLLECTED AND REVIEWED ENERGY-RELATED RESEARCH FROM ACROSS THE SOCIAL SCIENCES & HUMANITIES, INCLUDING:

Economics, Sociology, Psychology, Politics, Development, Environmental Social Science, Geography, Planning, Law, History, Ethics, Behavioural Science, Science & Technology Studies, Theology, Anthropology, Gender, Philosophy and Planning...

# 3

## WE CREATED SUMMARIES FROM A DIVERSE SELECTION OF APPROACHES AND SEMINAL PUBLICATIONS OF THE:

Titles, Authors, Research aims, Methods, Findings

# 4

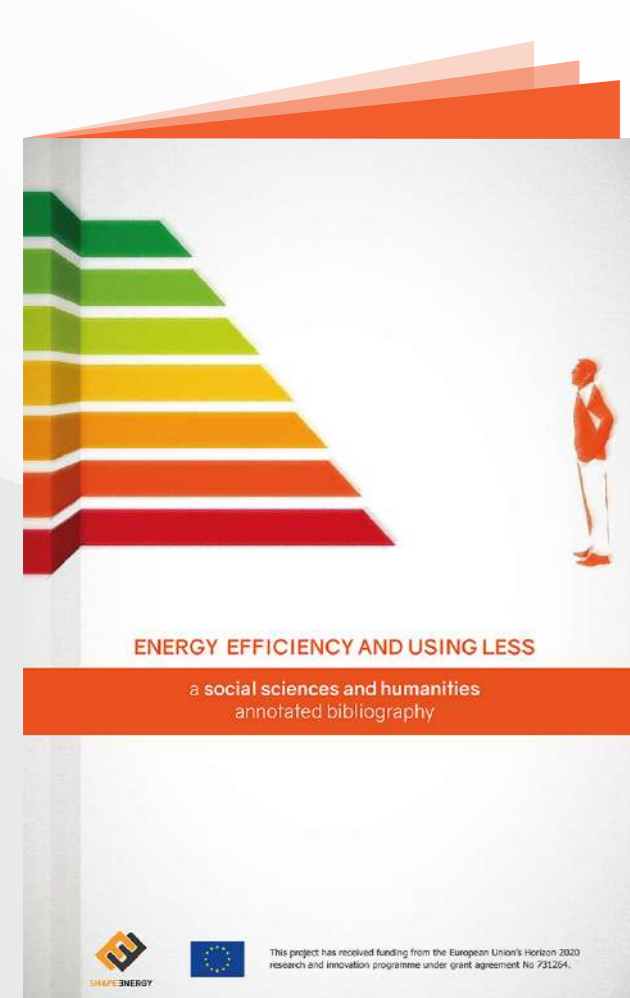
## OUR FOUR THEMATIC REPORTS BROUGHT THESE SUMMARIES TOGETHER IN THEMES; THE ANNOTATED BIBLIOGRAPHIES.

WHY DO WE  
NEED THEM?

The aim of each bibliography is to provide for both those working in the field and those outside of it (policymakers, practitioners, academics from other disciplines) a taste of the diversity of energy-SSH research and help signpost new sources of information.

The bibliographies make the capabilities of energy-SSH more visible and provide a convincing statement of the policy relevance of SSH perspectives.

SNEAK PREVIEW OF WHAT WE FOUND (Click on covers to access the publication)



### ENERGY EFFICIENCY AND USING LESS

208 publications reviewed


**DOMINANT RESEARCH AREAS:**

- Feedback devices and smart meters
- Gap between awareness and actual behaviour
- Rebound effects
- Focus on electricity (rather than e.g. gas for heating)
- The 'end-user' rather than other stakeholders

**EMERGING OR OVERLOOKED AREAS:**

- New demand side initiatives including new services/business models
- DIY - Do It Yourself
- Community approaches to engagement

20 authors involved

Led by 



### COMPETITIVE, SECURE, LOW-CARBON ENERGY SUPPLY

163 publications reviewed

**DOMINANT RESEARCH AREAS:**

- The 'Multi-Level Perspective' is a dominant framework to describe energy transitions
- Researchers emphasise the importance of a better understanding of politics and power in sustainability transitions
- Researchers highlight the relevance of broader innovations that include the public and citizen initiatives, rather than specific renewable energy technologies

**EMERGING OR OVERLOOKED AREAS:**

- How to engage the public in low-carbon energy transitions, including discussing the actors and processes responsible for engaging citizens

9 authors involved

Led by 



### ENERGY SYSTEM OPTIMISATION AND SMART TECHNOLOGIES

85 publications reviewed

**DOMINANT RESEARCH AREAS:**

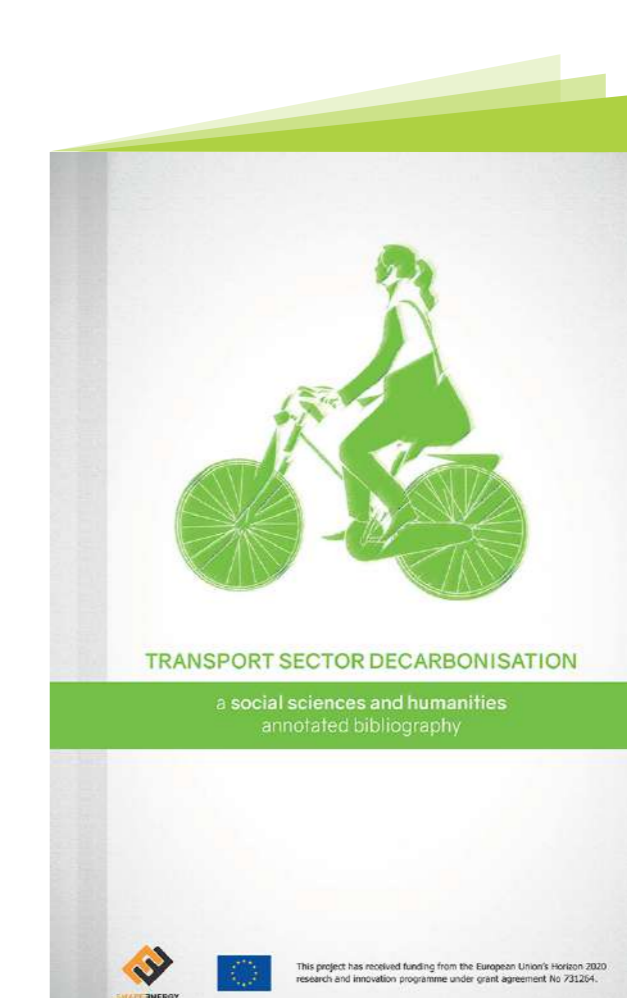
- Strong focus on how innovation and adoption might be shifted away from monetary incentives or cost/benefit analyses of technologies
- Unifying message is that co-operation between techno-economic and SSH approaches is crucial for smart grid realization
- SSH research deconstruct the overly optimistic visions of smart societies

**EMERGING OR OVERLOOKED AREAS:**

- Research targeting social costs and benefits of smart technologies

10 authors involved

Led by 



### TRANSPORT DECARBONISATION

161 publications reviewed


**DOMINANT RESEARCH AREAS:**

- Much of the research concerns technological fixes and individual consumer choices
- Large amount of research focuses on cars (including electric ones), cycling, commuting and overall short distance urban travel

**EMERGING OR OVERLOOKED AREAS:**

- Less research on institutional and systemic issues, as well as the role of institutions
- Underrepresented topics are rural mobility, long distance travel and shipping and freight

3 authors involved

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This is a **S**ocial Sciences and **H**umanities for **A**dvancing **P**olicy in European **E**NERGY 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.

