

INTEGRATION OF ENERGY & ENVIRONMENT RELATED SOCIAL SCIENCES AND HUMANITIES (SSH)

IN HORIZON 2020 (H2020)

What's the aim of H2020 - Europe's major Research & Innovation funding programme?

- Generating new knowledge
- Supporting evidence-based policymaking
- Encouraging and producing interdisciplinary and innovative solutions to societal and technological issues
- Addressing the most pressing global challenges

There are 3 energy & environment related Societal Challenges (SC) addressed in H2020:

- Secure, clean and efficient energy (SC3)
- Smart, green and integrated transport (SC4)
- Climate action, environment, resource efficiency and raw materials (SC5)

SSH flagged topics* across all H2020 Societal Challenges:

*these topics are expected to take into account the social, economic, behavioural, institutional, historical and/or cultural dimensions of a societal issue

	No. of SSH flagged topics	Share of projects with at least 1 SSH partner	Amount and share of budget allocated to SSH partners (€)
2014	98	71% 219 out of 308 projects	236 million 21% of the estimated total budget (1.1 Billion)
2015	83	84% 197 out of 235 projects	197 million 22% of the estimated total budget (888 million)
2016	84	71% 169 out of 239 projects	181 million 20% of the estimated total budget (891 million)

Secure, clean and efficient energy (SC3)

	2015	2016
Total number of topics	36	34
Number of SSH flagged topics	14	7
Total budget	€619 million	€403 million
Budget allocated to SSH-flagged topics	€88 million	€148 million
Budget going to SSH partners	€13 million 2% of total; 15% of SSH-flagged topics	€17 million 4% of total; 12% of SSH-flagged topics
Partners in projects under SSH flagged topics	481	283
SSH partners in projects under SSH flagged topics	85 (18%)	61 (22%)

Smart, green and integrated transport (SC4)

	2015	2016
Total number of topics	16	27
Number of SSH flagged topics	5	12
Total budget	€268 million	€343 million
Budget allocated to SSH-flagged topics	€75 million	€141 million
Budget going to SSH partners	€27 million 10% of total; 36% of SSH-flagged topics	€23 million 7% of total; 17% of SSH-flagged topics
Partners in projects under SSH flagged topics	210	395
SSH partners in projects under SSH flagged topics	69 (33%)	80 (20%)

Climate action, environment, resource efficiency and raw materials (SC5)

	2015	2016
Total number of topics	22	19
Number of SSH flagged topics	9	7
Total budget	€329 million	€135 million
Budget allocated to SSH-flagged topics	€172 million	€43 million
Budget going to SSH partners	€16 million 5% of total; 9% of SSH-flagged topics	€23 million 17% of total; 53% of SSH-flagged topics
Partners in projects under SSH flagged topics	566	172
SSH partners in projects under SSH flagged topics	59 (11%)	80 (47%)

SSH partners in H2020 by type of activity (2016)

-  **36%** higher education establishments (HES)
-  **18%** research organisations (REC)
-  **12%** public sector institutions (such as ministries)
-  **19%** private sector (for-profit research organisations, SMEs, consulting agencies, etc.)
-  **16%** 'others' (mainly include civil society organisations)

Suggested improvements and priorities from SSH monitoring reports:

- 2015:**
- Explicitly call for SSH contributions
 - Ensure social-human-economic and cultural aspects are an integral part of SSH flagged topics
 - Involve a broader range of disciplines
 - Promote interdisciplinary research approaches more strongly
- 2016:**
- Draft topics to attract SSH participation and explicitly encourage a broad range of disciplines
 - Maintain the interest of established participants, while attracting newcomers
 - Further strengthen communication activities and promote success stories
 - Ensure that flagging of a topic triggers interdisciplinary responses
 - Make interdisciplinarity happen from the outset of the project

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.

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Sources: 2nd & 3rd Monitoring reports on SSH-flagged projects funded in 2015 and then 2016 under the Societal Challenges and Industrial Leadership priorities, European Commission, Directorate-General for Research and Innovation, European Commission

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