

Horizon 2020: Opportunities for Social Sciences and Humanities

Claudia Sanguineti

Responsabile APRE Liguria – Supporto e consulenza ricerca europea di Ateneo

Servizio supporto alla ricerca

Area ricerca e trasferimento tecnologico

The role of SSH in H2020

Integrating SSH research across Horizon 2020 is essential to **maximise the returns to society** from investment in science and technology

Integrating the socio-economic dimension into the design, development and implementation of research itself and of new technologies can help find **solutions to societal problems**

Where you expect them to be...

SSH are addressed in the Work Programme dedicated to “**Europe in a changing world - Inclusive, innovative and reflective societies**”

Reducing inequalities and social exclusion in Europe are crucial challenges for the future of Europe. There is great potential for Europe through opportunities provided, for example, by **new forms of innovation** and by the **engagement of citizens**.

[WP 2018-2020](#) - 3 Calls:

- MIGRATION
- SOCIOECONOMIC AND CULTURAL TRANSFORMATIONS IN THE CONTEXT OF THE FOURTH INDUSTRIAL REVOLUTION
- GOVERNANCE FOR THE FUTURE

Where you DON'T expect them to be...

Some examples:

- [SC1-HCO-19-2020](#) - Reliable and accessible information on cell and gene-based therapies

[WP Health, demographic change and wellbeing](#)

Specific Challenge: Cell and gene-based therapies have the potential to treat many debilitating diseases and conditions. However, the pace of their clinical development **does not meet public expectations**. They face difficulties reaching patients because inter alia the complexity and costs of product development, regulatory hurdles and the non-harmonized procedures for reimbursements. In addition, there are **concerns over patient safety** due to the use of unproven treatments (...)

Expected Impact:

- Better informed **decision making by patients and the public**, due to objective, accurate and transparent communications of the latest developments and actual treatments available in the field in order to avoid misconceptions
- Better informed **decision making by regulatory and healthcare authorities**, due to better access to reliable and updated information, and to stronger synergies and knowledge sharing between decision-makers and other stakeholders including advanced therapies learned societies.
- Improved products development, by providing the research community and patients with a high-quality information source

Where you DON'T expect them to be...

- [NMBP-38-2020](#) Citizens and industrial technologies

WP Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Specific Challenge: Key enabling technologies, in addition to their importance to industry, provide new solutions to global challenges and are changing both societies and working conditions. **Dialogue with citizens** is therefore essential, in order to focus on the correct priorities and in identifying issues during development, as well as for building trust

The challenge is two-fold:

- (i) enhance public understanding of cutting-edge technologies and their diverse applications; and
- (ii) engage citizens in dialogue and co-creation on priorities, expectations and concerns

Where you DON'T expect them to be...

- [SU-AI03-2020](#) - Human factors, and ethical, societal, legal and organisational aspects of using Artificial Intelligence in support of Law Enforcement

[WP Secure societies - Protecting freedom and security of Europe and its citizens](#)

Specific Challenge: Advantages of AI are numerous. However, the lack of transparency of AI technologies and tools complicates their **acceptance by users and citizens**. Ethical and secure-by-design algorithms are necessary to build trust in this technology, but a **broader engagement of civil society** on the values to be embedded in AI and the directions for future development is crucial (...)

Proposals under this topic should provide an **exhaustive analysis of human, social and organisational aspects** related to the use of AI tools, including gender related aspects, in support of Law Enforcement, both for cybersecurity and in the fight against crime, including cybercrime, and terrorism. **Points of view and concerns of citizens** as well as of Law Enforcement should be tackled (...)

Where you DON'T expect them to be...

- [MG-4-9-2020](#) - The European mobility culture of tomorrow: Reinventing the wheel?

[WP Smart, green and integrated transport](#)

Specific Challenge: Global warming and the need for CO2 reduction drives a search for new lower carbon ways of moving: old modes of transportation seem no longer sustainable in the long term. When thinking about the future of mobility, changes in mobility are usually addressed in terms of **technology**

However, there is another – often neglected – aspect of **mobility**: the **value** it has in the **present European culture**, which legitimises today's focus on **speed and efficiency** as main **performance indicators** for **development and growth**. In parallel to developing new technologies, we also need to **explore (an) alternative narrative(s) of mobility**

Where you DON'T expect them to be...

- [LC-SC3-CC-1-2018-2019-2020](#) - SSH aspects of the Clean-Energy Transition

[WP Secure, clean and efficient energy](#)

Specific Challenge: Energy citizenship: SSH research offers many insights into the conditions favouring civic engagement, active participation and interaction with institutional or corporate actors. Such “energy citizenship” is not limited to early technology adopters or environmental activists, and it goes beyond (but also encompasses) mere “consumer involvement”...proposals are expected to focus on one or several of the following questions:

- Is energy citizenship more likely to emerge locally, or at regional, national or supranational levels? For what reasons?
- What is the relative importance of processes internal to relevant social groups (e.g., creating trust and connection, finding shared goals and solutions, building coalitions), as opposed to external environmental variables (e.g., relative openness of institutional or corporate environments, availability of sympathetic interlocutors, access to financial or other sources of support, legal or other obstacles)?
- What impact does the digitisation of the energy system and the proliferation of social media have on the emergence and consolidation of energy citizenship?
- Under what conditions is energy citizenship conducive to reaching broader policy goals, particularly the decarbonisation of the energy system, and under what conditions does it have the opposite effect?

SSH in H2020... and beyond

See the full list of H2020 Topics for social sciences and humanities

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/ftags/ssh.html#c,topics=flags/s/SSH/1/1&+callStatus/asc>

Horizon Europe - the next research and innovation framework programme

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme_en

Thank you for your attention!

Claudia Sanguineti

Responsabile APRE Liguria e Supporto e consulenza ricerca europea di Ateneo

Servizio supporto alla ricerca

Area ricerca e trasferimento tecnologico

claudia.sanguineti@unige.it - 010 2099204

<https://unige.it/ricerca/ricerca-europea>

Facebook: @APRELiguriaUNIGE



**Università
di Genova**