



My Arts and culture Education Religion Political science Sociology Archaeology and History Law Tourism graphy Population studies Psychology Policy studies International relations Technology management

Socio-economic Sciences & Humanities – Opportunities in Horizon 2020

Conference "Achieving Impact", Athens, 27.02.2014

Christina Bitterberg, DLR / NET4SOCIETY

tistics **Demography**nternational Relacography Population
studies Psychology









Content

- Overall context for Socio-economic Sciences and Humanities (SSH) in Horizon 2020
- Analysis of the Specific Programme what are SSH-relevant themes?
- SSH in the first Work Programmes for 2014/15
- Further information





Background – "embedding SSH"

 Horizon 2020: aims to integrate SSH in all parts of the programme

"Social sciences and humanities research will be fully integrated into each of the general objectives of Horizon 2020" (Horizon 2020 regulation)

 Structured along Societal Challenges, instead of disciplinary programmes





How will it be implemented?

- Inclusion of SSH experts in advisory groups, evaluation panels
- Implementation of a monitoring system for SSH embedding
- Cooperation between different units/DGs to ensure that SSH is integrated in all Work Programmes
- SSH relevant topics are flagged and can be identified via the search engine of the participant portal
- Geoghegan-Quinn: "learning process"





SSH funding opportunities in Horizon 2020

Excellent Science: ERC - dedicated SSH budget (17%), Marie Skłodowska-Curie actions (around 11-12% for SSH), Research Infrastructures

<u>Industrial Leadership</u> – Leadership in enabling and industrial technologies (LEIT)

<u>Societal Challenges</u> – Opportunities in all challenges <u>Science with and for society</u>

SSH-dedicated – topics aimed at SSH community SSH-relevant – topics requiring important SSH contributions





III. Societal Challenges

Health...

Food security...

Energy

Transport

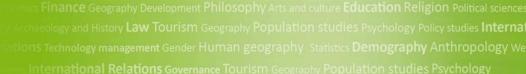
Climate action...

Societies

Security

SSH aspects include...

- Behavioural aspects
- Consumption and lifestyles
- Management, governance
- Public awareness & acceptance
- Policy support / assessment
- Social innovation
- Markets, business development
- Economic systems and instruments







Health...

Disease prevention, indicators for wellbeing, support to policymaking, improving health care systems, health inequalities, demographic change...

Food security...

Sustainable production and consumption, forward looking activities, impact assessment, organisational/economic/social innovation...

Energy

Understanding interactions between social, economic and environmental systems, tools for effective decision-making, forward looking activities, public acceptance and user involvement...



omics Finance Geography Development Philosophy Arts and culture Education Religion Political sciences Sociol-Archaeology and History Law Tourism Geography Population studies Psychology Policy studies International cions Technology management Gender Human geography Statistics Demography Anthropology Welfare The International Relations Governance Tourism Geography Population studies Psychology



Transport

forward looking activities, policy analysis and development, social inclusion, user behaviour, access to mobility (& inequalities), transport management, economic aspects...

Climate action...

Understanding interactions between social, economic and environmental systems, vulnerabilities and resilience of societies, fostering ecoinnovation (incl. social innovation), transition to a green economy and society, sustainable lifestyles,...

Security

Terrorism, crisis management, societal resilience, socio-economic and cultural dimensions of security, communication, perception, legal & ethical aspects, trade issues, EU external security policy, conflict management & peace building...





SSH aspects in LEIT

Background: competitiveness as overall goal, mainly technological approach, SSH is not everywhere

SSH aspects include mainly:

- User behaviour and acceptance
- Management and governance issues
- Risk assessment and management
- Development of business models

LEIT

Leadership in enabling and industrial technologies

ICT, Nanotechnologies, Materials, Biotechnology, Manufacturing, Space

But also: Strengthening cultural and social aspects of innovations; SSH as a source of creativity for developing new products /services



omics Finance Geography Development Philosophy Arts and culture Education Religion Political sciences Sociol-Archaeology and History Law Tourism Geography Population studies Psychology Policy studies International tions Technology management Gender Human geography Statistics Demography Anthropology Welfare



ICT

Human-technology-interaction, user perspectives, data protection

Nanotechnologies

Biotechnology

Societal needs, user acceptance, risk assessment, governance

Advanced Materials

Development of new business models, responsible consumer behaviour

Manufacturing

New, sustainable business models

Space

?





SSH aspects:

Science with and for society

- Responsible research and innovation
- Integrating society in science and innovation
- Making science education and careers attractive
- Promoting gender equality in research and innovation
- Improve knowledge on science communication





SSH in the 2014/15 Work Programmes

- EC analysis: 37% of the topics are flagged as SSH relevant (incl. Societal Challenge 6)
- Societal Challenges range: 48% in "Climate action", 34% in "Security" (SC6: 80%)
- Industrial Leadership: 21% of ICT topics are SSH relevant (while less than 10% in NMP)





Topic example 1: Energy

EE 12 – 2014 "Socioeconomic Research on Energy Efficiency" Includes...

- Foresight socio-economic activities informing the debate on the development and monitoring of energy efficiency strategies
- ...the evolution of social, economic, cultural and educational barriers...
- ...major trends in society and their implications...
- ... consumer behaviour (e.g. rebound effect) and the impact of institutional factors...
- ...take gender issues into account as well as existing macroeconomic and microeconomic models and results of socio-economic sciences and humanities.





Topic Example 2: Transport

MG.9.2-2014 "User behaviour and mobility patterns in the context of major societal trends" includes...

- ...factors that influence user behaviour in relation to the use of private and public transport ...the characteristics and specific needs of the various user groups (elderly, young, single parents, women, employed and unemployed, immigrants, etc.)..
- evolving mobility patterns... impacts on the requirements of the current and future European transport system
- ...possible ways to cater for future mobility needs through the provision of new or adapted transport products and services...implications for the various user groups and on staff requirements and working conditions





Topic Example 3: ICT

ICT 31 -2014 "Human-centric Digital Age"

Includes...

- ...development of fundamental notions such as identity, privacy, relationship, culture and art, reputation, motivation, responsibility, attention, safety, and fairness in the hyper-connected age.
- How [to]...cope with information overload...?
- How does the blurring between online world and off-line world affect life?
- What should be the norms and behaviours for a hyper-connected digital world?...





How to find your funding opportunity?

NET4SOCIETY document

"Opportunities for Researchers from the Socio-economic Sciences and Humanities (SSH)"

→ funding opportunities for SSH in various research areas within Work Programmes 2014/15.

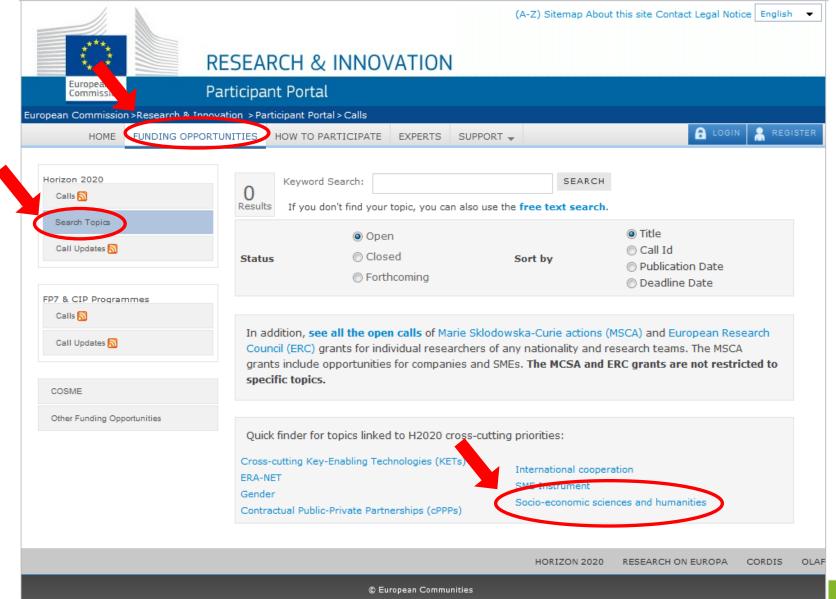


http://www.net4society.eu/public/ssh-opportunities.php



nomics Finance Geography Development Philosophy Arts and culture Education Religion Political sciences Sociol-Archaeology and History Law Tourism Geography Population studies Psychology Policy studies International ations Technology management Gender Human geography Statistics Demography Anthropology Welfare ems International Relations Governance Tourism Geography Population studies Psychology









Thank you!

Further questions?

Contact your National Contact Point!

http://ec.europa.eu/research/participants/portal/desktop/en/support/national contact points.html

contact@net4society.eu
christina.bitterberg@dlr.de