Science with and for Society

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Objective

To build effective cooperation between science and society, to recruit new talent for science and to pair scientific excellence with social awareness and responsibility.
H2020 - Lines of SwafS Activity

- Ethics
- Gender
- Open Science
- Public Engagement
- Science Education
- Science Governance
Ethics

- Application of fundamental ethical principles to scientific research

- **ALL** activities under H2020 must comply
Gender

- Cross-cutting
- Mainstreamed throughout framework programme.

1. Gender Balance in Research Teams
2. Gender Balance in Decision-Making
3. Gender Dimension in R&I
Open Science

Enabling easier access to scientific results

Consideration of:

1. IT infrastructure
2. Innovative approach to release and dissemination
3. IP
4. Collaboration between actors
Public Engagement

- Co-creation
- Co-design
- Multi-actor participation

1. EUSEA
2. ECSITE
Science Education

- Attractive to young people
- Citizen STEM literacy

1. Scientix
Science Governance

- Fostering RRI principles uptake in research and innovation
DRAFT Details 2018 - 2020:

- Launch of 2018 – 2020 programme – late October 2017 (TBC)

- 2018 Work Programme:
  - Opens 14th Dec 2017 (TBC)
  - Closes 10th April 2018 (TBC)

- Similar dates proposed for 2019/2020
DRAFT Details 2018 - 2020:

- Indicative Budget:
  - 2018 ~€63.5M
  - 2019 ~€62.5M
  - 2020 tbc

- 2018:
  - 16 separate calls proposed
  - Project budget vary from €0.75 – €4M
CALL: SCIENCE WITH AND FOR SOCIETY
Call identifier: H2020-SWAFS-2016-17
Publication date: 14 October 2015

Horizon 2020
Pillar: Science with and for Society
Work Programme Year: H2020-2016-2017
Work Programme Part: Science with and for Society

Call updates

- **01 September 2017 13:50**
  
  A total of 221 proposals were submitted in response to the 2017 topics for H2020-SWAFS-2016-17. The number of proposals for each topic is shown below:
  - Swafs-03-2016-2017: 24
  - Swafs-05-2017: 17
  - Swafs-06-2017: 2
  - Swafs-08-2017: 8
  - Swafs-10-2017: 26
  - Swafs-11-2017: 42
  - Swafs-12-2017: 5
  - Swafs-13-2017: 44
  - Swafs-14-2017: 3
  - Swafs-21-2017: 5
  - Swafs-22-2017: 15
  - Swafs-23-2017: 15
  - Swafs-24-2017: 1
  - Swafs-26-2017: 7
  - Swafs-27-2017: 7

- **30 August 2017 14:41**

  Following technical issues with the IT system for a short period on 30/08/17, the deadline for the 2017 topics for H2020-SWAFS-2016-17 is extended by 24 hours until 31/08/17 at 17:00:00 Brussels local time.
DRAFT Strategic Orientations
2018 - 2020
1. Accelerating and catalysing processes of institutional change
SwafS-01-2018-2019: Open schooling and collaboration on science education

- **Challenge:** to ensure engagement of all societal actors with science and increase the uptake of science studies, citizen science initiatives and science-based careers

- **Scope:** targets creation of new partnerships to foster improved science ed for all. To support activities based on collaboration between formal, non-formal and informal science education providers, enterprises and civil society in order to integrate the concept of open schooling in science education

- **Impacts:**
  - **Short term:** development of partnerships contribute to a more scientifically interested and literate society and students with a better awareness of and interest in scientific careers
  - **Medium term:** activities should provide citizens and future researchers with the tools and skills to make informed decisions and choices
  - **Long term:** should contribute towards increasing the numbers of scientists and researchers in Europe

- **CSA – Project budget:** up to €1.5m – **Total budget:** €3m (2018) – €4.5m (2019)
SwafS-02-2018: Innovative methods for teaching ethics and research integrity

- **Challenge:** integrity should be an integral part throughout the research and innovation process and more generally within the scientific system

- **Scope:** develop and test innovative educational student centred methods (formal and informal) aiming to promote a culture of research integrity

- **Impacts:**
  1. improve current educational methods to promote research integrity
  2. raise awareness of students (14-17yrs) and undergraduate, graduate, and early career researchers and contribute to the establishment of a research integrity culture
  3. innovative methods developed for teaching research integrity will improve short and long term educational and training results
  4. contribute to the responsible conduct of research and research excellence

- **CSA – Project budget: up to €2.5m – Total budget: €2.5m**
SwafS-03-2018: Developing research integrity standard operating procedures

- **Challenge:** research misconduct may undermine the quality of research and potentially lead to social and financial costs.

- **Scope:** to promote the development of concrete and efficient research integrity support processes and structures as "drivers" for institutional change within Research Performing Organisations (RPOs) and Research Funding organisations (RFOs)

- **Impacts:**
  1. actively contribute to the development of a strong research integrity culture and to a coherent adherence to the highest ethics and integrity standards
  2. The resulting support processes and structures should ultimately lead to institutional change within RPOs and RFOs that fill gaps in the existing system and promote responsible research and innovation

- **CSA – Project budget:** up to €4m – **Total budget:** €4m (2018)
SwafS-04-2018: Encouraging the re-use of research data generated by publicly funded research projects

- **Challenge:** the European Commission has extended the Open Research Data Pilot to cover all areas of Horizon 2020 resulting in more data becoming available for re-use. It is necessary to adopt further actions to reach the EC's overall objective of findable, accessible, interoperable and re-usable (FAIR) data by 2020

- **Scope:** identify areas of research where FAIR data is not yet common practice and what different barriers are and how to overcome them. Provide support to make data FAIR, in particular to address the quality of data, its interoperability and its reproducibility

- **Impacts:** The Key Performance Indicator are the following:
  1. Increased awareness of the Commission's FAIR data policy
  2. Increase in FAIR data in those domains where data is not yet common practice
  3. Contribution of the pathfinder case studies to innovative data sharing and re-use

- **CSA – Project budget: up to €3m – Total budget: €3m (2018)**
SwafS-05-2018-2019: Grounding RRI practices in research and innovation performing/funding organisations

• **Challenge:** Institutional changes are required to respond to the increased interactions between R&I stakeholders in society

• **Scope:** implement changes in at least one but preferably all five fields as part of an integrated approach
  - Citizens and citizens' associations engagement in science;
  - Formal and informal science education;
  - Gender equality in science;
  - Research ethics and integrity;
  - Open access to research results

• **Impacts:**
  1. contribute to a greater involvement of all stakeholders in R&I, and a better and more sustainable engagement with citizens and society as a whole
  2. contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals
  3. evaluate their activities and provide evidence of societal, democratic, economic and scientific impacts of institutional changes.

• **CSA – Project budget: up to €1.5m – Total budget: €4.5m (2018) – €6m (2019)**
SwafS-06-2018: Science4Refugees

- **Challenge:** To integrate refugees and asylum seekers into Europe's research system, specific measures are requested in terms of integrating those highly skilled into the labour market and to better understand the different cultural backgrounds.

- **Scope:** Funded initiatives will give refugee researchers the opportunity to develop their knowledge and careers by improving their skills and employability.

- **Impacts:**
  1. Provide support for the career development of refugee researchers to support their integration into their new employment settings and culture.
  2. To prepare refugees for the highly competitive and highly skilled job market.
  3. Medium term: the action aims at supporting research jobs and growth.

- **CSA – Project budget: up to €0.25m – Total budget: €2m (2018)**
2 Stepping up the support to Gender Equality in Research and Innovation Policy
SwafS-09-2018-2019: Supporting research organisations to implement gender equality plans

**Challenge:** Advance gender equality with institutional change along these three objectives:
- Removing barriers to the recruitment, retention and career progression of female researchers
- Addressing gender imbalances in decision making processes
- Integrating the gender dimension in research and innovation content

**Scope:** Implement Gender Equality Plans (GEPs) as "drivers" for systemic institutional changes.
- Conduct assessment / audit of procedures and practices with relevant data to identify gender bias at organisation level
- Implement effective actions to be developed over time, according to the identified bias
- Set targets and monitor progress via indicators at organisation level

**Impacts:**
1. Increase in the participation of women in research and innovation and improvement of their careers prospects
2. Improvement of gender balance in decision-making bodies in research organisations
3. Inclusion of the gender dimension in research content and increase in the quality and societal relevance of produced knowledge, technologies and innovations
4. Implementation of Gender Equality Plans will contribute to the achievement of the ERA

**CSA – Project budget: up to €3m – Total budget: €6m (2018) – €9m (2019)**
SwafS-10-2018: Analysing gender gaps and biases in the allocation of grants

• **Challenge:** Research is needed to better understand the remaining institutional barriers which contribute to maintain the gender gaps in research funding, and the policy changes required to remove such barriers.

• **Scope:** The research will situate the role of grants in researchers' careers, identify, map and analyse the possible differences between women and men researchers at various steps of grant allocation by research funding organisations and their potential consequences on their careers. The research will formulate recommendations targeting research funding policy and involve different stakeholders in this process.

• **Impacts:**
  1. Contribute to more gender equal research grant systems in the EU
  2. Advance gender equality in research and innovation as requested in the European Research Area
  3. Ensure that EU research and innovation benefit better from male and female scientists' talents
  4. Improve the quality of research and innovation and their relevance to society

• **RIA – Project budget: up to €2m – Total budget: €2m (2018)**
SwafS-13-2018: Gender Equality Academy and dissemination of gender knowledge across Europe

• **Challenge:** Researchers across Europe and beyond should acquire adequate knowledge on gender equality and the gender dimension. Horizon 2020 interim evaluation recommends further sharing and disseminating knowledge on gender in R&I.

• **Scope:** this project will design training material on a variety of issues relevant for gender equality in research and innovation and carry out a series of trainings accessible in all the Member States and Associated countries.

• **Impacts:**
  1. A better understanding of gender issues within the R&I community
  2. A better uptake of gender issues in R&I and consequently an improvement of the quality of the produced research and innovation
  3. A pan-European trainers' network to better share gender knowledge and practices

• **CSA – Project budget:** up to €2m – **Total budget:** €2m (2018)
3 Building the territorial dimension of SwafS partnerships
SwafS-14-2018-2019: Supporting the development of territorial Responsible Research and Innovation

- **Challenge:** to encourage societal actors to work together during the whole research and innovation (R&I) process to better align R&I and its outcomes with the values, needs and expectations of society

- **Scope:** Consortia should focus activities in more than one territory in Europe with a view to developing and promoting shared learning and diffusion of governance innovations. Consortia will:
  - Map their current territorial R&I ecosystem
  - Reflect on how the system could be more open and inclusive
  - Consider their place within larger societal, geographical, economic and environmental frameworks

- **Impacts:**
  1. elaborate and implement a more open, transparent and democratic R&I system in their defined territories
  2. evaluate their activities and provide evidence of societal, democratic, environmental, economic and scientific impacts
  3. Involvement in the project should have a measurable transformative and opening effect on organisations involved, which should be sustainable beyond the lifetime of funding.
  4. contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals

SwafS-22-2018: Mobilising Research Excellence in EU Outermost Regions (OR)

• **Challenge:** ORs differ in a number of ways that constrain economic and social development.

• **Scope:** support the OR in preparing their research and innovation actors to participate in RFPs:
  - Map fields of expertise and potential partners
  - Inventory of needs
  - Awareness raising and events
  - Foster ecosystems and attract researchers

• **Impacts:**
  1. Participation of OR in framework programmes
  2. Reinforce visibility and recognition of OR RRI
  3. Establish consortia to prepare proposals and identify relevant topics
  4. Sustainable R&I system in OR

• **CSA – Project budget:** up to €4m; **Total budget:** €4m
4 Exploring and supporting citizen science

• **Challenge:** In setting up citizen science initiatives – challenges in terms of choosing the optimum methodologies; quality assurance and validation; linking various governance levels; ensuring balanced participation; integrity of methods and data; and recognising the work of citizens

• **Scope of CSA:** provide support to citizen science at European level. Create a mutual learning space where citizen science projects/participants can exchange experiences and successful strategies, and support communication between citizen science and science media

• **Impacts of CSA:**
  1. Strengthened networks, co-ordination and communication among citizen science projects
  2. Tools, guidelines, or other materials useful to actors inexperienced in organising and supporting citizen science initiatives
  3. Increased awareness amongst the general public of citizen science
  4. Delivery of training to citizen scientists and resultant increased skills, competences, and scientific excellence
  5. contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals
SwafS-15-2018-2019: Exploring and supporting citizen science continued...

- **Challenge:** In setting up citizen science initiatives – challenges in terms of choosing the optimum methodologies; quality assurance and validation; linking various governance levels; ensuring balanced participation; integrity of methods and data; and recognising the work of citizens.

- **Scope of RIA:** This will support hands-on citizen science activities. The intended activities should be clearly defined and result in the development of new knowledge, new technologies, or new means of using existing technological or social innovations better.

- **Impacts of RIA:**
  1. Development of new knowledge and innovations by citizen scientists
  2. Availability of evaluation data concerning the societal, democratic and economic costs and benefits of citizen science
  3. Contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals

- **CSA (1 project in 2018) – RIA (multiple projects 2018, 2019)**
- **Project budget: up to €2m – Total budget: €6m (2018) – €10m (2019)**
5 Building the knowledge base for SwafS
SwafS-18-2018: Taking stock of the application of the precautionary principle in R&I

- **Challenge:** to find a balanced approach that allows decisions to be made on a case by case basis, responding to the question "how safe is safe enough and how risky is too risky"

- **Scope:** Consortia will take stock of the implementation of the Precautionary Principle (PP) since 2000 in various contexts, analyse the effects of the PP and propose several scenarios for the future of the PP and Innovation Principle (IP)
  - Examine international, EU, national (and sub-national) level initiatives and policies related to due and proportionate precaution
  - Examine and analyse recent and on-going controversies
  - Develop new tools or approaches to PP or IP, in order to help policy makers and other stakeholders apply RRI principles

- **Impacts:**
  1. Consortia are expected to contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals
  2. Consortia are expected to evaluate their activities and provide evidence of societal, democratic, economic and scientific impacts.

- **RIA – Project budget:** between €1.8m and €2.3m – Total budget: €6m (2018)
SwafS-19-2018-2019: Taking stock and re-examining the role of science communication

- **Challenge:** The growing need to ensure the quality and reliability of science communication due to a) dwindling resources in science journalism lead to reduced critical assessment and reporting of science; and b) open access publications and science-related news through social media sometimes lacks the editorial oversight and fact-checking established in traditional media.

- **Scope:** The proposal will include a multi-disciplinary team able to explore well-defined communication strategies and better understand how results from research and scientific methodologies are communicated.

- **Impacts:**
  1. Better understand how science is communicated and to develop improved ways to measure and assess science communication.
  2. Dissemination of the results should increase the communication of science in quantity and quality and favour the opening of R&I and the up-take of RRI approach.
  3. Improve the quality and effectiveness of interactions between scientists, general media and the public.

- **CSA – Project budget:** between €1m and €1.5m – Total budget: €4m (2018) – €4m (2019)
SwafS-20-2018-2019: Building the SwafS knowledge base

- **Challenge:** Understanding the evolution of science and society will help proactive and anticipatory policy making. This includes examining how societal actors, including young people, behave, understand, react to and interact with science and scientific developments, and their motives for engaging in science-related activities.

- **Scope:** May encompass:
  - Investigating science communication and science advocacy in the digital world
  - How science and technology studies and multi/transdisciplinary approaches can help explain interactions between science and society
  - Blind spots of R&I in relation to people's needs and concerns
  - Deep changes in science and innovation and their interactions with society and the economy

- **Impacts:**
  1. Consortia are expected to contribute to one or more of the MoRRI indicators and to the Sustainable Development Goals
  2. R&I outcomes should help build effective cooperation between science and society, foster the recruitment of new talent for science, and pair scientific excellence with social awareness and responsibility
  3. Scientific and other types of publication should be foreseen

- **RIA – Project budget:** up to €1m – **Total budget:** €6m (2018) – €6m (2019)
SwafS-21-2018: Advancing the Monitoring of the Evolution and Benefits of Responsible Research and Innovation

• **Challenge:** Understanding the evolution and the benefits of RRI is crucial to furthering inclusivity, collaboration and transparency in R&I systems. Based on the outcomes of MoRRI, consortia should work to implement an improved RRI monitoring system.

• **Scope:** thorough peer review of the monitoring system developed by MoRRI, highlighting strengths and areas where improvements could be envisaged. A small number of in-depth studies should be implemented to provide additional empirical evidence of the benefits of RRI and the findings should lead to improvements in the monitoring system.

• **Impacts:**
  1. to lead to an improvement in the monitoring of the evolution of RRI, an increase in policy attention to RRI, and better and more appropriate R&I outcomes
  2. the filling of evidence gaps concerning causal links between RRI activities and RRI benefits

• **RIA – Project budget:** up to €3.5m – Total budget: €3.5m (2018)
Supports available

- Partner search....
- EI supports for travel and drafting proposals
- Contact – margie.mccarthy@sfi.ie
SiS.net - Science with and for Society NCP Network

SiS.net is the international network of National Contact Points (NCPs) for Science with and for Society in Horizon 2020, the EU’s Programme for Research and Innovation. The network unites more than 70 representatives from countries participating in Horizon 2020, in Europe and beyond.

SiS.net is the network of NCPs specialised in supporting the Science with and for Society programme of Horizon 2020. SiS.net provides high quality services to Science with and for Society stakeholders, authorities, research institutions and enterprises on the opportunities offered by Horizon 2020 to boost integration of scientific achievements into society and engage the public in science.

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Gender Planning....