

# **Webinar Science with and For Society**

## **LAST Open Calls for 2020**

# Contents

- Introduction to SwafS
- Eligibility and other general information on the calls and H2020
- SwafS open calls
- Resources for Help
- Q&A



# What is SwafS?

- SwafS aims to build effective cooperation between science and society.
  - The SwafS programme covers the following types of calls:
    1. Supporting research organisations gender equality plans
    2. Exploring and supporting citizen science
    3. Examining the role of science communication
    4. Supporting researchers with refugee background
    5. Developing methods for teaching ethics and research integrity
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- A decorative graphic consisting of several overlapping, light blue circular lines that form a partial circle on the left side of the slide, partially overlapping the text of the fifth list item.

# SwafS Dimensions



**Governance**

# Example

Oct 27, 2017

## Open schooling and collaboration on science education

ID: SwafS-01-2018-2019-2020

Type of action:

- CSA Coordination and support action

Deadline Model : two-stage	Opening: 10 December 2019	Deadline: 23 April 2020 17:00:00 Brussels time 2nd stage Deadline: 17 November 2020 17:00:00 Brussels time
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Open

- CSA Coordination and support action

Deadline Model : two-stage	Opening: 11 December 2018	Deadline: 02 April 2019 17:00:00 Brussels time 2nd stage Deadline: 07 November 2019 17:00:00 Brussels time
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Closed

- CSA Coordination and support action

Deadline Model : two-stage	Opening: 05 December 2017	Deadline: 10 April 2018 17:00:00 Brussels time 2nd stage Deadline: 13 November 2018 17:00:00 Brussels time
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Closed

Type here to search

15:05 30/03/2020

# Example

The screenshot shows a web browser window with the URL [ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/swafs-01-2018-2019-2020:freeTextSearchKeyword=:typeCodes=:statusCodes=31094...](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/swafs-01-2018-2019-2020:freeTextSearchKeyword=:typeCodes=:statusCodes=31094...). The page features a left-hand navigation menu with the following items: Topic Updates, Topic description, Conditions and documents, Partner Search, Submission service, Topic related FAQ, Get support, Call information, Call Updates, and Funded project list. Below the menu is a "Go back to search results" link.

The main content area displays a list of updates:

- Mar 18, 2020 8:43:22 AM  
Please note that the deadline for this call has been extended to 23/04/2020.
- Mar 13, 2020 4:26:03 PM

A "show more..." button is located below the list of updates.

The "Topic Description" section is expanded, showing the following text:

**Specific Challenge:**  
At the moment, Europe faces a shortfall in science-knowledgeable people at all levels of society. This is a good time to expand opportunities for science learning, in formal, non-formal and informal settings<sup>[1]</sup>. Evidence shows that European citizens, young and old, appreciate the importance of science and want to be more informed, and that citizens want more science education. Over 40% believe science and technological innovation can have a positive impact on the environment, health and medical care, and basic infrastructure in the future<sup>[2]</sup>. Therefore, collaboration between formal, non-formal and informal science education providers, enterprises and civil society should be enhanced to ensure relevant and meaningful engagement of all societal actors with science and increase the uptake of science studies, citizen science initiatives and science-based careers, employability and competitiveness.

Below the text is a "show more..." button, which is highlighted with a blue box and a blue arrow pointing to it from the left.

At the bottom of the page, there is a "Go to top" link and a Windows taskbar with the search bar and various application icons. The system clock shows 15:06 on 30/03/2020.

# Example

The screenshot shows a web browser window with the URL [ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/swafs-01-2018-2019-2020:freeTextSearchKeyword=:typeCodes=:statusCodes=:](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/swafs-01-2018-2019-2020:freeTextSearchKeyword=:typeCodes=:statusCodes=:). The page is titled "Topic Description" and contains the following content:

**Topic Updates**

- Topic description
- Conditions and documents
- Partner Search
- Submission service
- Topic related FAQ
- Get support
- Call information
- Call Updates
- Funded project list

**Specific Challenge:**

At the moment, Europe faces a shortfall in science-knowledgeable people at all levels of society. This is a good time to expand opportunities for science learning, in formal, non-formal and informal settings<sup>21</sup>. Evidence shows that European citizens, young and old, appreciate the importance of science and want to be more informed, and that citizens want more science education. Over 40% believe science and technological innovation can have a positive impact on the environment, health and medical care, and basic infrastructure in the future<sup>22</sup>. Therefore, collaboration between formal, non-formal and informal science education providers, enterprises and civil society should be enhanced to ensure relevant and meaningful engagement of all societal actors with science and increase the uptake of science studies, citizen science initiatives and science-based careers, employability and competitiveness.

**Scope:**

The proposed action targets the creation of new partnerships in local communities to foster improved science education for all citizens. This action aims to support a range of 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, including all educational levels, in science education.

"Open schooling" where schools, in cooperation with other stakeholders, become an agent of community well-being shall be promoted; families should be encouraged to become real partners in school life and activities; professionals from enterprises and civil and wider society should actively be involved in bringing real-life projects to the classroom. Relevant policy makers should also be involved, to encourage policy buy-in and the mainstreaming of good practices and insights into policies, and hence sustainability and impact beyond the lifetime of funding. Partnerships that foster expertise, networking, sharing and applying science and technology research findings across different enterprises (e.g. start-ups, SMEs, larger corporations) should be promoted. Gender, socio-economic and geographical differences should be considered.

The Commission considers that proposals requesting a contribution from the EU of the order of € 1,50 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

**Expected Impact:**

It is expected that in the short term the development of partnerships between schools, local communities, Civil Society Organisations, universities and industry should contribute to a more scientifically interested and literate society and students with a better awareness of and interest in scientific careers. In the medium term the activities should provide citizens and future researchers with the tools and skills to make informed decisions and choices and in the long-term this action should contribute towards the ERA objectives of increasing the numbers of scientists and researchers in Europe.

**Cross-cutting Priorities:**

- Gender
- RII

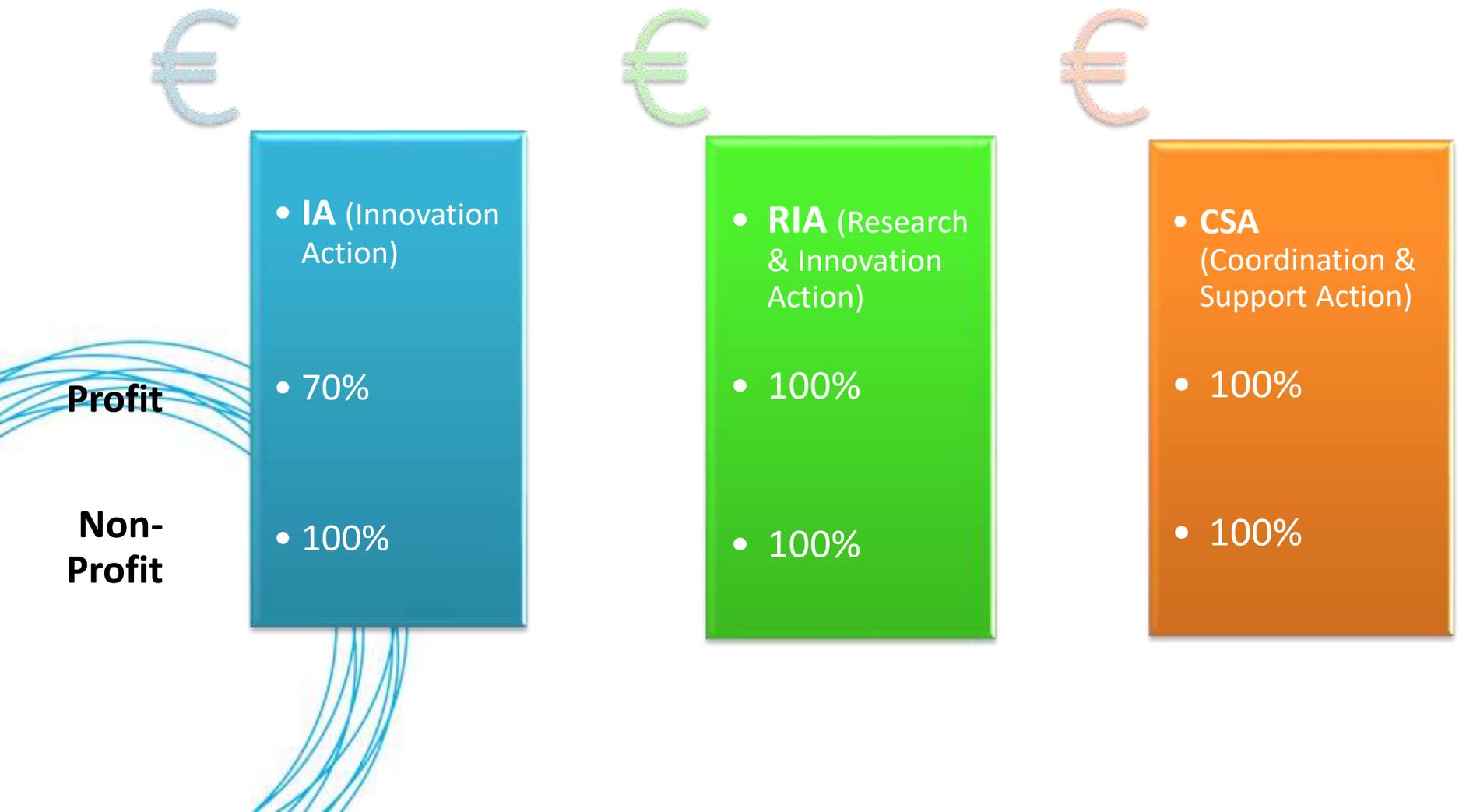
At the bottom of the page, there is a search bar with the text "Type here to search" and a taskbar with various application icons. The system clock shows the date 30/03/2020 and the time 15:06.

# Eligibility Criteria

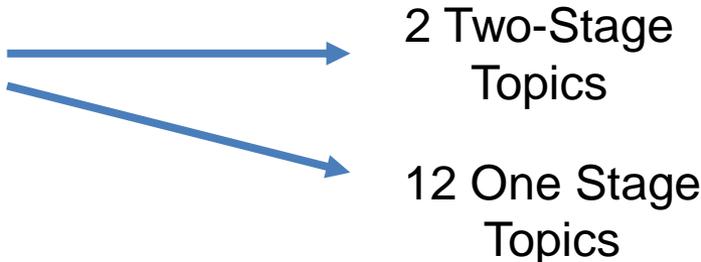
- **Horizon2020 is open to the world!**
- **General rule - Participants must be part of a Consortium composed of at least 3 legal entities each established in different MS/AS and at least 1 in a MS**



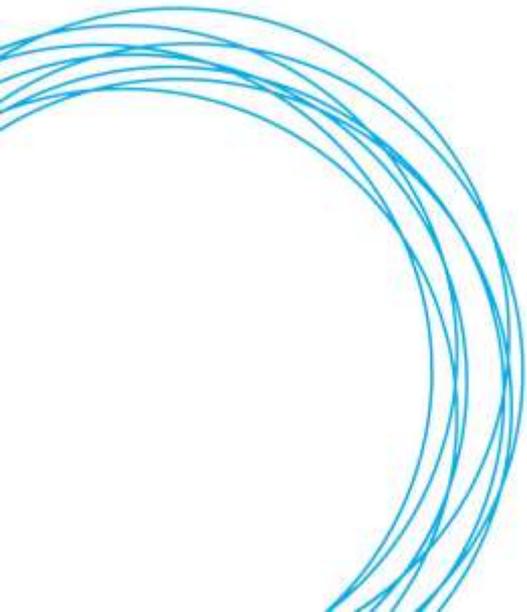
# Funding Rates



# SwafS Calls - 2020

- A total of 14 topics 
  - 2 Two-Stage Topics
  - 12 One Stage Topics
- Close the 23<sup>rd</sup> of April 2020
- Second stage deadline 17<sup>th</sup> November 2020
- Overall indicative Budget - 63.20 EUR million
- Last round of SwafS, there won't be a SwafS programme in Horizon Europe.

# Open Calls in SwafS



# Open schooling and collaboration on science education

- CSA - Coordination and support action
  - Two Stage
  - Budget of € 1.50 million
  - **Challenge** : Evidence shows that European citizens, young and old, appreciate the importance of science and want to be more informed, and that citizens want more science education.
  - Expand opportunities for science learning, in formal, non-formal and informal settings.
- 

# Research innovation needs & skills training in PhD programmes

- CSA – Coordination and support action
  - Single Stage
  - Budget of € 0.2-0.3 million
  - **Challenge:** Within the New Skills Agenda and in the Modernisation Agenda specifications on innovative employment-oriented curricula recommendations are described.
  - The need for European Universities to integrate new or existing Open Science and entrepreneurship skills courses into PhD programmes.
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## Supporting research organisations to implement gender equality plans

- CSA
  - Single Stage
  - Budget of € 2.5 – 3 million
  - **Challenge** : Gender equality is a key priority set with the Member States and Associated countries in the European Research Area. Research funding and performing organisations, including universities, are invited to implement institutional change through Gender Equality Plans (GEPs). The need for sustainable cultural and institutional change along the three objectives mentioned previously.
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# Supporting the development of territorial Responsible Research and Innovation

- CSA
  - Single Stage
  - Budget of € 2 million
  - **Challenge:** The RRI approach supported by the European Commission since 2011 aims to encourage societal actors to work together during the whole R&I process to better align R&I and its outcomes with the values, needs and expectations of society.
  - Experience shows that strategies and practices based on RRI can open up R&I to all relevant actors, and improve co-operation between science and society, fostering the recruitment of new talent, and pairing scientific excellence with social awareness and responsibility
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# Taking stock and re-examining the role of science communication

- RIA
- Single Stage
- Budget of € 1.2 million
- **Challenge:** Science and innovation are undergoing deep and fundamental changes, in particular thanks to digitalisation (e.g. social media and citizen science). Science communication is an important discipline that empowers citizens to participate in activities and debate.
- The quality and reliability of science communication: firstly, dwindling resources in science journalism lead to reduced critical assessment and reporting of science.
- Rapid diffusion of open access publications and science-related news through social media increase opportunities for all citizens and civil society groups to reach large audiences about science-related issues but sometimes without the editorial oversight and fact-checking established in the traditional media.

# Grounding RRI in society with a focus on citizen science

- CSA
- Single Stage
- Budget of € 1.5 million
- **Challenge:** Institutional changes are required to respond to the increased interactions between R&I stakeholders in society. Through institutional changes, research funding and performing organisations become more “porous” and accept inputs from citizens and organisations that used to be considered outsiders to the world of R&I.
- Examples include citizen science, extended peer review in funding agencies, co-creation of public policies, agenda setting in research and innovation programmes, co-production of research and innovation content, co-design of R&I programmes, and co-evaluation of proposals, activities or other R&I funding decisions.

# Science education outside the classroom

- RIA
- Two Stage
- Budget of € 1.3 - € 1.7 million
- **Challenge:** However, science education outside the classroom, which refers to informal science education, and the science education effects of non-educational activities, are not well explored in terms of their nature and effects. Acquiring knowledge, and in particular, evaluating knowledge, often with the help of the Internet, is happening in reality frequently, and should be recognised for what it contributes in terms of more sophisticated consumers and scientific citizenship. Consideration of what is available and what is being learnt would be useful to understand how science education outside the classroom influences today's citizens.
- <http://www.scientix.eu/>

# Gender-based violence including sexual harassment in research organisations and universities

- RIA
- Single Stage
- Budget of € 2.8 - € 3.2 million
- **Challenge:** Gender-Based violence (GBV) is happening across the EU and is a human rights violation. It is both a cause and a consequence of inequalities between women and men. There exist numerous reports of women and men within European universities and research institutions, who have experienced sexual harassment and who report its detrimental effects on their personal wellbeing as well as their scientific career. GBV including sexual harassment in European universities and research organisations tends to be underestimated and there is little knowledge about it. Several studies have shown that women in precarious working conditions (e.g. PhD students) or exchange students seem to be particularly at risk to experience GBV or sexual harassment.

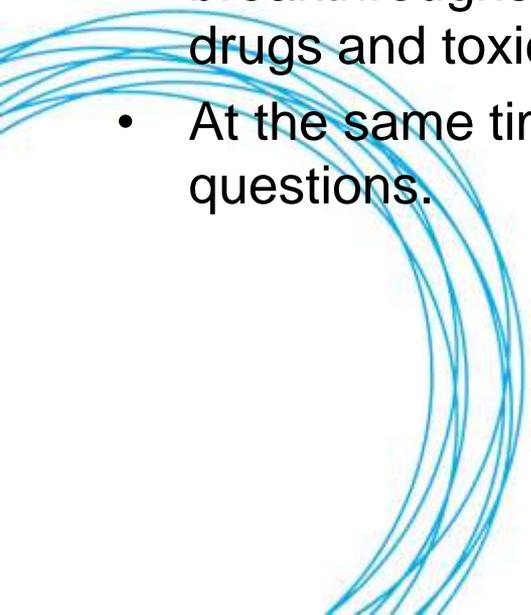
# Innovators of the future: bridging the gender gap

- CSA
- Single Stage
- Budget of € 1.5 million
- **Challenge:** Female creativity and innovation potential are an under-exploited source of economic growth and creation of jobs. While women constitute 52% of the total European population, and 59% of first level university graduates, they only represent 40% of employed scientists and engineers, and 30% of start-up entrepreneurs. Women hold less than 10% of patent applications.
- Innovation plays a key role in addressing and solving societal challenges. It is time to break gender stereotypes, in particular in innovation and entrepreneurship, and to create a smart, sustainable and inclusive innovation ecosystem that encourages young girls to become women innovators and that provides them with the support they need to be successful.

# Hands-on citizen science and frugal innovation

- RIA
- Single Stage
- Budget of € 1.80million – 2million
- **Challenge:** Citizen science should be understood broadly, covering a range of different levels of participation, from raising public knowledge of science, encouraging citizens to participate in the scientific process by observing, gathering and processing data, right up to setting scientific agenda and co-designing and implementing science-related policies. It could also involve publication of results and teaching science.
- The present topic will focus on two specific aspects of citizen science:
- Citizen Science - This will focus on hands-on citizen science activities.
- Frugal Innovations - This sub-topic will support hands-on activities to develop frugal innovations

# The ethics of organoids

- RIA
  - Single Stage
  - Budget of € 3 million
  - **Challenge** : Organoids are considered to be key in the modelling and studying the development of organs as well as the progress of diseases. As a result, organoids may hold the key to new breakthroughs in clinical research and to the development of new drugs and toxicology testing.
  - At the same time, organoids are also a source of complex ethical questions.
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# The ethics of technologies with high socio-economic impact

- CSA
- Single Stage
- Budget of € 4 million
- **Challenge:** Technologies with potentially high socio-economic impact raising complex ethical issues must be analysed from an ethical perspective to maximise their societal benefit and minimise harm. The exponential scientific progress resulting in the mushrooming of these new technologies (e.g. gene editing, DNA digital data storage, Artificial Intelligence, etc.), calls for a coherent research and innovation ethics approach at EU level
- This work aims at complementing the work started in the context of SwafS-18-2016 call (SIENNA project) .... A similar analysis should be done.
- Sienna : <https://www.sienna-project.eu/>

# Responsible Open Science: an ethics and integrity perspective

- CSA
- One Stage
- Budget of € 2.5 million
- **Challenge:** Open Science constitutes a "new approach to the scientific process based on cooperative work and new ways of diffusing knowledge by using digital technologies and new collaborative tools." As opposed to traditional practices in science and technology, which largely focus on the publication of research results in scientific journals, Open Science focuses on sharing and (re)using all available knowledge and data throughout the research process.
- Open Science aims to promote transparency and reproducibility of results, increase and widen the diffusion of knowledge and may overall accelerate scientific progress and innovation.
- At the same time, in order to maximize the benefits of Open Science, there are several ethical, legal and social challenges that need to be addressed.

# Bottom-up approach to build SwafS knowledge base

- RIA
- Single Stage
- Budget of 0.8 – 1 million
- **Challenge:** The objectives of the SwafS part of Horizon 2020 are to build effective co-operation between science and society, foster the recruitment of new talent for science, and to pair scientific excellence with social awareness and responsibility. There are eight lines of actions (science careers, gender equality, public engagement, science education, open access/open data, governance and ethics, the precautionary principle, science communication), all of which are pertinent to reaching the SwafS' objectives.
- This topic is completely bottom-up (“open”), and therefore a challenge to applicants to propose innovative research and innovation actions that are needed to help meet SwafS objectives.

# How can we help?



# Resources for help

- **Funding & Tender Opportunities Portal:** <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>
- **NCP SwafS network:** <https://www.sisnetwork.eu/>
- **Horizon 2020 Homepage:** <http://ec.europa.eu/programmes/horizon2020/>
- **MCST** [www.mcst.gov.mt](http://www.mcst.gov.mt)
- **Ecorda (Projects and Results) :** <https://cordis.europa.eu/projects/en>

**Email:** [tamara.b.schembri@gov.mt](mailto:tamara.b.schembri@gov.mt)

**Areas:** Climate Action, Europe in a changing world and SwafS

**Questions?**

