

Science with and for Society – Project Partner Search Form

CALL: Science with and for Society 2020

- I offer my expertise to participate as a Partner in a Project
- I am planning to coordinate a project and I am looking for Project Partners

| Topics | |
|--|---|
| Strategic orientation 1. Accelerating and catalysing processes of institutional change | |
| <input type="checkbox"/> | SwafS-01-2018-2019-2020: Open schooling and collaboration on science education |
| <input type="checkbox"/> | SwafS-08-2019: Research innovation needs & skills training in PhD programmes |
| <input type="checkbox"/> | SwafS-23-2020: Grounding RRI in society with a focus on citizen science |
| <input checked="" type="checkbox"/> | SwafS-24-2020: Science education outside the classroom |
| Strategic orientation 2. Stepping up support to Gender Equality in Research & Innovation policy | |
| <input type="checkbox"/> | SwafS-09-2018-2019-2020: Supporting research organisations to implement gender equality plans |
| <input type="checkbox"/> | SwafS-25-2020: Gender-based violence including sexual harassment in research organisations and universities |
| <input type="checkbox"/> | SwafS-26-2020: Innovators of the future: bridging the gender gap |
| Strategic orientation 3. Building the territorial dimension of SwafS partnerships | |
| <input type="checkbox"/> | SwafS-14-2018-2019-2020: Supporting the development of territorial Responsible Research and Innovation |
| Strategic orientation 4. Exploring and supporting citizen science | |
| <input type="checkbox"/> | SwafS-27-2020: Hands-on citizen science and frugal innovation |
| <input type="checkbox"/> | SwafS-28-2020: The ethics of organoids |
| <input type="checkbox"/> | SwafS-29-2020: The ethics of technologies with high socio-economic impact |
| <input type="checkbox"/> | SwafS-30-2020: Responsible Open Science: an ethics and integrity perspective |
| Strategic orientation 5. Building the knowledge base for SwafS | |
| <input type="checkbox"/> | SwafS-19-2018-2019-2020: Taking stock and re-examining the role of science communication |
| <input type="checkbox"/> | SwafS-31-2020: Bottom-up approach to build SwafS knowledge base |

1) PROJECT INFORMATION

Field of expertise related to the topic: The Institute for Science Teacher Education at the St. Gallen University of Teacher Education has extensive experience in the field of out-of-school learning. We have initiated several science learning programmes in collaboration with museums, science centers and industry partners for primary and secondary school children. The institute provides guidance to schools, municipalities and companies and has developed a huge diversity of teaching materials including ICT based learning environments.

Potential contribution to the project: We offer experience in several fields relevant for the implementation of the project. This starts with the existing outline of a suggested project idea,

continuous with the ready availability of local partnering project partners outside of the school area and also includes proofed ideas for successful learning environments. A further interest lies within a high quality evaluation of the project impact based on scientific research methods.

Role in the project:

- Research Dissemination Other
 Training Technology Development

Project idea: Support teachers with teaching and learning strategies that are proven to work

Project description: Our project idea aims to qualify future generations of teachers so that they are able to teach outdoors in a competent and effective way. In order to achieve this, we suggest integrating multidisciplinary learning methods and activities proposed by existing outdoor teaching literature in teacher education. The project should therefore integrate, test and evaluate this approach in teacher training and development institutions in different European countries. However, not just the successful integration of teaching outdoors into teacher development should be tried and tested. The newly skilled teachers would also be monitored during an implementation phase. The project should evaluate whether and how they actually teach outdoors. The results can help to establish best practice of how to integrate teaching outdoors into teacher training and development. This will allow to develop guidelines for adoption by further potential school and education partners. Teaching outside, especially in nature, is significantly linked to the development of core emotional, motivational, social, creative and cognitive skills as well as mental, physical and social health benefits.

Already experience as a Coordinator: yes no
 As a Partner: yes no

If "yes", which project:

Other partners in consortium already identified (with countries): none

2) TARGET COORDINATOR / PARTNER SOUGHT

Organisation details:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Higher education / university | <input type="checkbox"/> Industry / SME |
| <input type="checkbox"/> Research institution | <input type="checkbox"/> Other |
| <input type="checkbox"/> NGO | Please specify: |
| <input type="checkbox"/> Education | |

We are looking for following Expertise / Competencies:

3) CONTACT DETAILS

Contact Person:

Name: Nicolas Robin & Robbert Smit

Ms Mr

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Organisation web address: <https://www.phsg.ch/en/research/institutes/fachdidaktik-naturwissenschaften>

Short profile of the Organisation: We develop and research innovative approaches to acquiring basic scientific knowledge. Here, we focus primarily on the areas of thinking and acting within the subjects of mathematics, IT, science and technology across all levels of compulsory school education and at secondary school level II. On an accompanying basis, we also conduct empirical and humanities-focused research projects that examine the scientific and technological literacy of teachers and pupils.

Date: 21.11.2019

The offer is valid until: 15.04.2020

I agree that my information is forwarded within the SwafS NCP network

YES NO

PLEASE FILL THE FORM AND RETURN IT TO YOUR HORIZON 2020 NATIONAL CONTACT POINT FOR SCIENCE WITH AND FOR SOCIETY.



Horizon 2020