Science with and for Society – Project Partner Search Form

CALL: Science with and for Society 2018

☒ 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
☒ SwafS-01-2018-2019: Open schooling and collaboration on science education ☐ SwafS-02-2018: Innovative methods for teaching ethics and research integrity ☐ SwafS-03-2018: Developing research integrity standard operating procedures ☐ SwafS-04-2018: Encouraging the re-use of research data generated by publically funded research projects ☐ SwafS-05-2018-2019: Grounding RRI practices in research and innovation funding and performing organisations
Strategic orientation 2. Stepping up support to Gender Equality in Research & Innovation policy
☐ SwafS-09-2018-2019: Supporting research organisations to implement gender equality plans ☐ SwafS-10-2018: Analysing gender gaps and biases in the allocation of grants ☐ SwafS-13-2018: Gender Equality Academy and dissemination of gender knowledge across Europe
Strategic orientation 3. Building the territorial dimension of SwafS partnerships
☐ SwafS-14-2018-2019: Supporting the development of territorial Responsible Research and Innovation ☐ SwafS-22-2018: Mobilising Research Excellence in EU Outermost Regions
Strategic orientation 4. Exploring and supporting citizen science
☐ SwafS-15-2018-2019: Exploring and supporting citizen science
Strategic orientation 5. Building the knowledge base for SwafS
☐ SwafS-18-2018: Taking stock of the application of the precautionary principle in R&I ☐ SwafS-19-2018-2019: Taking stock and re-examining the role of science communication ☐ SwafS-20-2018-2019: Building the SwafS knowledge base ☐ SwafS-21-2018: Advancing the Monitoring of the Evolution and Benefits of Responsible Research and Innovation

1) PROJECT INFORMATION
Field of expertise related to the topic: Through its various actions, "Sciences à l'École", a government body, offers French schools enhanced, innovative and original learning opportunities in science. These actions are projects proposed to teachers in secondary schools (10 to 14 year-olds in French collèges and 15 to 18

year-olds in French lycées), and conducted concurrent with traditional courses. They allow students to discover and practise activities related to scientific research or to gain insight into scientific excellence, which is essential to maintain the high competitiveness of European countries.

Thanks to its status and management board, composed of a member of the French Academy of Sciences and French Education General Inspectors (Inspecteur généraux de l'Education nationale), "Sciences à l'École" has an extensive knowledge of the French Education system. Building on fifteen years' experience in scientific educational projects, this government body has developed real expertise in the actions to be undertaken and pursued to achieve the objective of promoting scientific, technical and industrial culture among teenagers.

As part of its "equipment plans", "Sciences à l'École" offers schools the opportunity to carry out experimental projects with cutting-edge scientific equipment in the following fields: Astronomy ; Particle Physics ; Molecular Biology ; Criminal Investigation ; Meteorology ; Seismology. Each of these "equipment plans" has a scientific committee composed of scientific experts and educational stakeholders. The experiments are carried out through partnerships set up with eminent scientific institutions (Paris Observatory, Evry Genopole, IAP, CERN, CNRS, IN2P3, Météo France, IRCGN, UCA, etc.).

"Sciences à l'École" also has strong expertise in the field of scientific competitions. It organises France's yearly participation in major international events such as the International Chemistry, Earth Science and Physics Olympiads.
"Sciences à l'École" is also co-founder of the CGénial competition, which involves nearly 10,000 students each year. These activities have enabled us to develop strong skills in event organisation, making the CGénial competition finals a much- awaited event in secondary schools across France.

"Science à l'Ecole" is also an expert in the field of training, enabling teachers through numerous training sessions to set up the experimental projects described in the "equipment plans" in their own classrooms. On the other hand, pupils are also offered preparatory sessions to the International Chemistry, Earth Science and Physics Olympiads.

"Sciences à l'Ecole" in figures

- A management board with a chairman (a Member of the French Academy of Science), an honorary chairman (Honorary Dean of the French Education General inspectorate) and two vice-chairmans (French Education General Inspectors - Physics and Chemistry Group).
- A resource-unit with 5 permanent staff (one secretary-general and four teachers).
- 10 scientific committees (one per action) with a total of 130 members (academics, researchers, teachers, French Education inspectors, etc.) selecting projects and proposing changes in the actions to be undertaken.
- 32 local French Education correspondents (one per regional education authority) to liaise with every school in the country.
- More than 850 schools benefiting from the actions of "Science à l'Ecole".
- More than 1,000 teachers implementing "Science à l'Ecole" projects in their classrooms every year.
- 26,000 students involved each year.

CGENIAL COMPETITION

- Ranks 4th among French Education competitions for pupils (in terms of pupil participation)
Every year, for the last 10 years:
- 10,000 participating pupils
- More than 280 schools registered
- 300 projects presented

INTERNATIONAL CHEMISTRY, PHYSICS AND EARTH SCIENCE OLYMPIADS
Numbers for the year 2017:
- 145 secondary schools involved
- 1,500 pupils taking the French delegations selection test
- 17 medals won

Equipment plans in: Astronomy, Molecular Biology, Particle Physics, Criminal Investigation, Meteorology, Seismology
More than 350 schools equipped
- 14,000 pupils involved each year
- Scientific partners for each plan

Potential contribution to the project:
Scientific initiative projects proposed by any kind of education providers, business or civil society members are to be supported.
"Sciences à l'École" makes several of its assets available for these initiatives:
- its unique status, allowing cooperation at each level of the education system. The system thereby gives an easy access door to classrooms and simplified administrative procedures for teachers wishing to involve their students in innovative approaches to science;
- its experience and credibility in establishing partnerships with numerous scientific institutions;
- its expertise in creating and organising networks of partners for educational actions;
- its effective logistics skills (equipment, training course management, competition organisation, etc.);
- a team of five permanent staff composed of four teachers and a secretary-general.

Role in the project:

☐ Research	☒ Dissemination	☐ Other
☒ Training	☐ Technology Development	

Project idea:
"Science à l'Ecole" is looking for partners to implement educational scientific projects that promote access to scientific and technical culture, give better understanding of scientific careers and encourage vocations among students aged 10 to 20.

Some ideas:
- Support-actions for pupils to discover the world of research and its careers: organizations of meetings between researchers and pupils and support for didactic projects carried out by researchers
- Collaborative science projects: creation of universally accessible applications for the collection of scientific data and observations; creation of partnerships to facilitate access to science workshops for 11-18 year-old secondary school pupils

- Development and promotion of the "Sciences à l'École" "equipment plans" (Astronomy, Particle Physics, Meteorology, Seismology, Molecular Biology, Criminal Investigation) through European partnerships ; organisation of European congresses for pupils and teachers on these topics - Development of a cross-border network around an "equipment plan"in Chemistry for 11-18 year-olds - Development of an "equipment plan" with European partners, for instance in the field of robotics: "Robots at school" -Management of French participation in European competitions - Development of itinerant and state-of-the-art scientific equipment for underprivileged groups (ie schools with little scientific equipment).
Project description:
Already experience as a Coordinator: ☐ yes ☒ no As a Partner: ☐ yes ☒ no If "yes", which project:
Other partners in consortium already identified (with countries):

2) TARGET COORDINATOR / PARTNER SOUGHT	
Organisation details:	
☒ Higher education / university	☐ Industry / SME
☐ Research institution	☐ Other
☐ NGO	Please specify:
☒ Education	
We are looking for following Expertise / Competencies:	

3) CONTACT DETAILS
Contact Person: Name: Odile Malézieux ☒ Ms ☐ Mr
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Organisation web address: http://www.sciencesalecole.org/
Short profile of the Organisation: Founded in 2004 under the initiative of Academician of Science Pierre Encrenaz and General Inspector Jean-Yves Daniel, the government body "Sciences à l'École", housed at the Paris Observatory, aims to support and promote secondary education scientific and technical cultural projects in middle and high schools (general, technological and vocational pathways, and post-baccalaureate sections) for students aged between 10 and 20 years old. Based on

interdisciplinarity and partnership with the world of research and business,"Sciences à l' École" runs actions focusing on fostering pedagogical innovation, creativity and teamwork.

Chairman : Pierre ENCRENAZ, Member of the Academy of Sciences
Honorary Chairman: Jean-Yves DANIEL, Honorary Dean of Inspection Générale de l'Education Nationale
Vice- Chairmans: Pierre DESBIOLLES and Anne SZYMCZAK, Inspection Générale de l'Education Nationale, Physics and Chemistry Group
Secretary-General: Odile Malézieux
Teachers : Nathalie Brasseur, Roseline Descout-Renier, Claire Mondange, Mathilde Routier
http://www.sciencesalecole.org/qui-sommes-nous/

Date: 5 mars 2018

The offer is valid until:

I agree with publication of my contact data on "Science with and for Society" network website

☒ YES ☐ NO

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