



Mutual Learning Exercise: Citizen Science initiatives- Policy and Practice

Kick-off meeting, 18 January 2022



#HorizonEU

**HORIZON EUROPE
POLICY SUPPORT
FACILITY**

2021 – 2027



Agenda

Time	Description
14.00-14.05	Welcome, a short ice breaker exercise (Marzia Mazzonetto)
14.05-14.10	Welcome by the European Commission (Anna Panagopoulou, DG RTD, Director)
14.10-14.15	Introduction of PSF activities (Magda De Carli, DG RTD, Head of Unit)
14.15-14.25	Welcome from the chair and presentation of the agenda (Alan Irwin)
14.25-14.35	Personal introduction & Presentation of proposed Modus Operandi for the MLE (Margaret Gold)
14.35-14.45	Q&A on the Modus Operandi for the MLE
14.45-14.50	Topic 1- Personal introduction & Introduction and overview of citizen science (Muki Haklay)
14.50-14.55	Topic 2 - Personal introduction & Ensuring good practices and impacts (Rosa Arias)
14.55-15.00	Topic 3- Personal introduction & Maximising the relevance and excellence of citizen science (Marzia Mazzonetto)
15.00-15.05	Topic 4- Enabling environments and sustaining citizen science (Margaret Gold)
15.05-15.10	Topic 5- Personal introduction & Scaling up citizen science (Antonella Radicchi)
15.10-15.45	Interactive Exercise (led by Muki Haklay with Rosa Arias and Marzia Mazzonetto) <ul style="list-style-type: none">– Sorting and organising questions about citizen science on a google doc (10 minutes)– Introduction of the Jamboard (5 minutes)– Delving into some of the questions focusing on Topics 2 and 3 (Ensuring good practices and impacts, maximising the relevance and excellence of citizen science) on a Jamboard (20 minutes)
15.45-15.55	Break
15.55-16.15	Member State feedback on main challenges and topics to be addressed in MLE
16.15-16.55	Discussion on MLE meetings, locations, stakeholders and projects to be selected
16.55-17.00	Closing and next meeting (Alan Irwin)



PSF Challenge - Citizen Science



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POLICY SUPPORT
FACILITY**

2021 – 2027

MAGDA DE CARLI

A1, European Semester and
Country Intelligence

DG Research & Innovation



POLICY SUPPORT FACILITY :

Launched in 2015

With the objective to help MS/AC "to improve the design, implementation and evaluation of R&I policies" that enhance the quality of their research and innovation investments, policies and systems.

Supporting evidence-based policy-making

Drawing on the combination of learnings between **practitioners** and **high-level experts advice** and assistance



Horizon Europe PSF



Addresses **challenges and bottlenecks** in R&I systems identified via a **sound evidence-based analysis** of the national R&I systems ;

Address how the **potential of R&I for systemic transformations** towards sustainability can be unlocked

PSF Country: At the request of one country, PSF provides a strategic assessment of its R&I system and formulate policy recommendations

PSF Challenge: PSF facilitates the joint exploration of specific R&I policy challenges (citizen science, foresight, etc.).

PSF Open: PSF addresses a wider range of policy needs. E.g. implementation of previous PSF, new methodology in preparation



PSF CHALLENGE - MUTUAL LEARNING EXERCISES

Focused on specific operational R&I challenges of interest to **several volunteering countries**, it aims to identify good practice, lessons learned and success factors.



Learning from practices

Peer learning

Panel of high level experts

Steering of DG R&I

Involvement of stakeholders

Evidence-based Analysis

Communication and dissemination



PSF: WHO DOES WHAT

- Definition of the PSF scope based on MS' and AC's demand
- Selection of chairs
- Steers the process

DG R&I

PSF contractor

New: Consortium of Ecorys, EFIS, PPMI, Idea Consulting

- Manages the process (project manager) and supports the expert panel's work

MLE Expert panel

- Knowledge sharing
- Mutual learning among participants
- Reports
- Dissemination activities



MLE- A Team Work

MSs/ACs

Country	Institution	Designated participant(s)
Austria	Austrian Research Promotion Agency (FFG)	Andrea HOFFMANN Michalis TZATZANIS
Belgium	Royal Belgian Institute of Natural Sciences	Carole Paleco
France	Ministry of Education, Research and Innovation	Nicolas Ngo
Hungary	The National Research, Development and Innovation Office of Hungary	Katalin Urbán
Italy	Ministry of Research	Alessandro Boero
Slovenia	Ministry of Education science and sport	Tit Neubauer Katja Ceglar
Germany	Federal Ministry of Research and Education	Alexander Grablowitz
	German Aerospace Center	Philip Ackermann
Sweden	Swedish Research Council	Katarina Nordqvist
	Swedish Research Council	Anna Maria Fleetwood
Romania	UEFISCDI - Funding agency	Ioana TRIF Alina IRIMIA
Norway	Ministry of Education and Research	Vibeke Helén Moe
	Research Council Department for Innovation in Public Sector	Anila Nauni
Portugal	Ciência Viva- National Agency for Scientific and Technological Culture	Ana Noronha Carla Lourenço

PSF Expert Panel and Support

Team	Chair
Alan Irwin	Chair
Margaret Gold	Rapporteur
Muki Haklay, Rosa Arias, Marzia Mazzonetto, Antonella Radicchi Ingeborg Meijer	Experts
Annamaria Zonno Gabriella Leo/Linden Farrel	EC Co-ordinator Open Science Unit
Gillian Kelly	PSF Contractor Project Manager

MLE PROCESS

Preparatory stage:

- Definition of the scope and of the **focus areas** based on participants' demand
- Based on focus areas, hiring of **experts**

5 mutual learning events/country visit (currently online events, as soon as possible meetings and project visits)

4 challenge papers and 5 thematic reports

Final report

Dissemination event



PSF COMMUNICATION AND DISSEMINATION



 European Commission

Home > Research and Innovation > Statistics > Policy Support Facility

Policy Support Facility



Since 2015, the **Horizon Policy Support Facility** gives Member States and countries associated to Horizon Europe practical support to design, implement and evaluate reforms that enhance the quality of their research and innovation investments, policies and systems.

The Horizon Europe Policy Support Facility, launched in February 2021, provides good practice, independent high-level expertise and guidance at the request of Member States and Associated Countries through a number of services:

- PSF Country** (formerly PSF Peer Reviews & Specific support to countries) is an in-depth assessments of a country's R&I system (or of parts of it) carried out by a panel of experts and peers and leading to actionable policy recommendations to the national authorities on reforms necessary to strengthen their R&I system.
- PSF Challenge** includes the PSF Mutual Learning Exercises and is focused on specific and operational R&I challenges of interest to several volunteering countries. It aims to identify good practice, lessons learned and success factors.
- PSF Open** allows countries having already benefitted from a PSF exercise to receive support to follow-up on the PSF recommendations.

At the request of national administrations with R&I competences, the Policy Support Facility provides customer-oriented services to support evidence-based policy making. PSF activities are regularly presented and discussed in the European Research Area and Innovation Committee (ERAC).

- ✓ Repository of reports
- ✓ Updates on meetings and events
- ✓ PSF newsletter from June 2022
- ✓ Videoclips on content and process

5 Proposed Themes ▷ 5 Info Exchange Meetings

Topic 1: Introduction and overview on citizen science

Topic 2: Ensuring good practices and impacts

Topic 3: Maximising the relevance and excellence of citizen science

Topic 4: Enabling environments and sustaining citizen science

Topic 5: Scaling up citizen science



NEXT MEETINGS

3 Topic Meetings ▷ 4 Countries

- **Topic 4 Meetings (Enabling environments and sustaining CS):**

- 2 country visits:

Part I: Austria (7 and 8 June 2022);

Part II: Hungary (12 and 13 September 2022)

- If due to Covid situation requires to be online:
6 and 13 September (09.30-12.30 CET)

- **Topic 3 Meeting (Maximising the relevance and excellence of CS):**

Slovenia (10 and 11 October 2022)

- If due to Covid situation requires to be online:
10 and 11 October 2022 (09.30-12.30 CET)

- **Topic 5 Meeting (Scaling up CS):**

Germany (7 and 8 November 2022)

- If due to Covid situation requires to be online:
7 and 8 November 2022 (09.30-12.30 CET)

Final Meeting: 13 December in Brussels/Online

Dissemination event: early 2023 (exact date TBC)



PROPOSED MODUS OPERANDI FOR MLE

Final Meeting (6th meeting)

- **Presentation of the Draft Final Report**
- **Facilitated discussion**

OUTPUTS:

- ▷ **Final Report**



PROPOSED MODUS OPERANDI FOR MLE

Timeline: **2nd meeting:** online via Microsoft Teams

- 7th and 14th March (09.30-12.30 CET)
- 3rd ~ 6th meetings, TBD envisaged timeline:
 - 3rd meeting: May
 - 4th meeting: September
 - 5th meeting: October/ mid-November
 - Final Meeting: December



TOPIC 1: INTRODUCTION AND OVERVIEW TO CITIZEN SCIENCE

Expert: Muki Haklay

Professor of Geographical
Information Science,
University College London

Co-Director of the Extreme
Citizen Science group at
UCL

- Introductory overview of citizen science, the key principles that govern it and practical examples of how Member States have successfully promoted citizen science in their respective contexts
- How citizens interact and engage with science, and where citizen science fits within this picture
- The characteristics and principles of citizen science
- How citizen science is promoted through EU funding mechanisms



TOPIC 2: ENSURING GOOD PRACTICES AND IMPACTS

Expert: Rosa Arias

CEO & Founder at Science
for Change

Coordinator of the H2020
D-NOSES and NEWSERA
Projects. Member of the
ECSA Board of Directors.



- **Citizen science put into practice** through a range of different disciplinary and thematic areas. Presentation of practical examples of successful projects across the Member States, including hands-on and participatory activities and open discussions.
- **Barriers in the implementation** of citizen science activities, including scientific, engagement, data or policy challenges, and how to **demonstrate the impact** of CS projects. Interactive exercise to co-create how the identified barriers may be overcome.
- Broad exploration of **good practices** in terms of engagement, inclusion, volunteer management, and generating educational and behavioural changes, while addressing scientific questions and issues.

TOPIC 3: MAXIMISING THE RELEVANCE AND EXCELLENCE OF CITIZEN SCIENCE

Expert: Marzia Mazzonetto

CEO of Stickydot srl,
Brussels

Director of the
BE participation asbl,
Brussels

- Get a deep understanding of key factors in citizen science which can ensure excellence and relevance across disciplinary areas.
- Share reflections and experiences on showcasing how citizen science can contribute to and be integrated into the formal SDGs (Sustainable Development Goals) reporting mechanisms.
- Discuss ethics and ethical tensions and issues of involving of citizens in co-design and co-creation. I.e. fairly rewarding citizens contributions and addressing societal expectations.
- Mutual learning about data quality, data assurance, FAIR and open data, and the role of repositories and infrastructures.



TOPIC 4: ENABLING ENVIRONMENTS AND SUSTAINING CS

Expert: Margaret Gold

Coordinator, Citizen
Science Lab, Leiden
University

CS Programme Manger,
National Programme Open
Science (NPOS)

Building an **enabling environment** for CS and **sustaining CS practices and initiatives over the longer term:**

- Supportive institutional, policy and governance arrangements
- Multi-stakeholder approaches, including local coalitions of research, public authorities, businesses and civil society organisations
- National strategies for open science and an enabling environment, including funding
- National CS practitioner networks and platforms



TOPIC 5: SCALING UP CITIZEN SCIENCE

Expert: Antonella Radicchi

PhD, Researcher, Technical University of Berlin and MfN

Principal Investigator of the citizen science project Hush City; Project Manager of the EU-Citizen.Science project



Introduction to the topic, main challenges and how to tackle them:

- Unpack the definition(s) and dimensions of scalability
- Draw on best practices, infrastructures, policies, funding programs, developed in Member States for scaling up citizen science
- Identify success factors for developing transnational projects
- Define a common approach and apply it in practice

MLE MEETINGS, LOCATIONS, STAKEHOLDERS AND PROJECTS TO BE SELECTED

Meetings:

- Five Meetings on different topics;
- Final Meeting; and
- Dissemination event

Locations: Online or in Member States

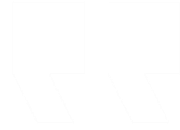
Some suggested projects/initiatives:

Meeting 2: Participatory science and agenda setting (e.g., French experience, or CIMULACT), Arts (e.g., Hungarian FortePanProject), social sciences (e.g., CoAct and COESO projects), natural sciences (e.g., MICS), physical sciences (e.g., REINFORCE and Hungarian climate project), user-led innovation (e.g., FRANCIS).

Meeting 3: *SDGs:* WeObserve, CS-SDG; *Ethics:* SIENNA, ProEthics, TechEthos, Cities-Health, ROSIE); and *Data:* Cos4Cloud

Meeting 4: *Supporting governance and institutional governance:* INCENTIVE, STEPCHANGE, TIME4CS projects, *overarching strategies specific funding schemes and modalities:* ACTION project's cascade funding scheme

Meeting 5: Identify citizen science projects (whether local, regional or national) that could serve as the basis for suitable upscaling to European level in 2022/3 (or later), taking into account the experiences so far with "Plastic Pirates - Go Europe



Thank you!

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