



The potential of Citizen Science to inform environmental policies

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Citizen Science for evidence-based policy making: overview



Activity Report on Citizen Science []- discoveries from a five year journey

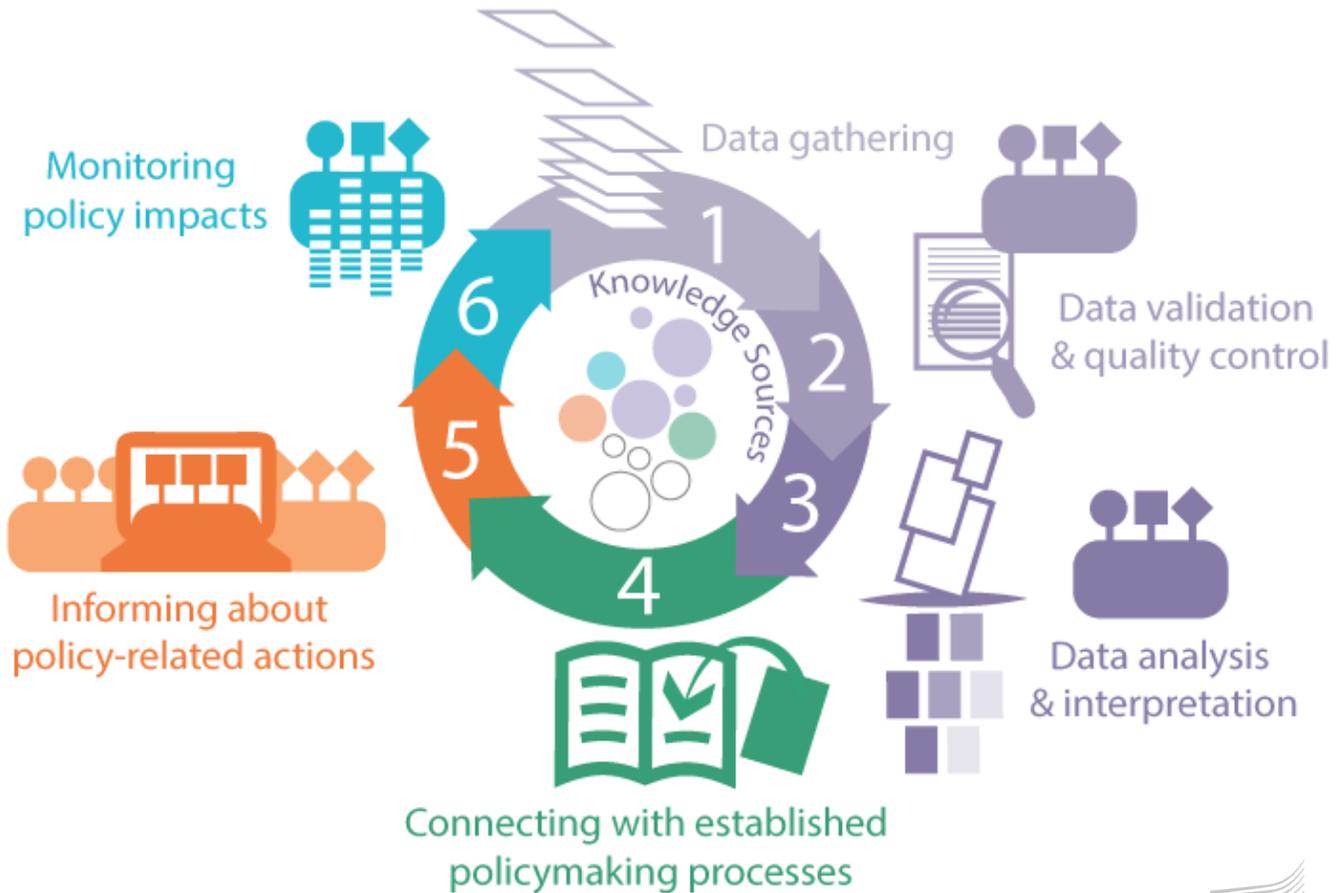
Sven Schade
Chrysi Tsioukali
Marina Manzoni
Alexa Bell-Santini
Fabiana Spinelli
Irene Milton
Alex Kizner
Blagaj Delipovic
Karen Thomas-Fullerton
2020



JRC TECHNICAL REPORTS

Using new data sources for policymaking

Sven Schade, Marina Manzoni, Chrysi Tsioukali, Alexandra Kizner, Karen Thomas Fullerton, Roberto Sguaini, Fabiana Spinelli, Irene Milton



● Citizens ■ Policy officer ◆ Other stakeholders



Citizen Science for evidence-based policy making: history

- 2017 • Fitness check on environmental monitoring and reporting
- 2017 • Action plan to streamline environmental monitoring
- 2018 • Study on citizen science for env. policy
- 2019 • Stakeholder input
- 2020 • Best practices in citizen science for environmental monitoring

Ten ACTIONS	
1	Amend legislation
2	Change reporting (<u>without changing legislation</u>) - Rolling Work Programme 2018-2020
3	Modernise e-Reporting
4	Develop test tools for harvesting
5	Guidance for national <u>environment information systems</u>
6	Promote <u>use of spatial data</u> (INSPIRE application)
7	Better use of Copernicus data
8	Promote citizen science
9	<u>Cooperate with other thematic areas</u> (e.g. climate, statistics)
10	Wider international streamlining

EU publications

Citizen science for environmental policy

Development of an EU-wide inventory and analysis of selected practices – Study

Citizen science is the non-professional involvement of volunteers in the scientific process, whether in the data collection phase or in other phases of the research. Citizen science is a powerful tool for environmental management that has the potential to inform an increasingly complex environmental policy landscape and to meet the growing demands from society for more participatory decision-making. While there is growing interest from international bodies and national governments in citizen science, however the evidence that it can successfully contribute to environmental policy development,...

Publication details

Published: 2018-12-07
Corporate author(s): Bio Innov, Natural History Museum
Themes: Environmental research
Subject: biodiversity, data collection, scientific cooperation, scientific research

PDF

CitSci-X

Exploring Citizen Science projects

Projects

Explore the citizen science projects collected by our partners and us. Find past and current projects addressing different domains, participatory approaches, etc. Discover their relationships to the Sustainable Development Goals, and much more.

Gallery

Enjoy graphic representations of citizen science projects based on their core characteristics, including geographic and thematic coverage, policy uptake and policy relevance. Browse the already prepared views, and create dynamic visualizations.

Sources

Get to know the surveys, catalogs and data sets of Citizen Science projects that are integrated here. Find out how you could add your own project, or results from a longitudinal study.



JRC CONFERENCE AND WORKSHOP REPORTS

Citizens Science and Environmental Monitoring

Benefits and Challenges

Manzoni M., Vahlund K., Schade S., Tomariki C., and Ousef J.

2019



The value of Citizen Science is recognised in existing policies, and supporting frameworks are emerging

PERSPECTIVE article

Front. Clim., 04 December 2020 | <https://doi.org/10.3389/fclim.2020.600998>



Citizen Science and Environmental Protection Agencies: Engaging Citizens to Address Key Environmental Challenges

José Miguel Rubio-Iglesias¹, Triin Edovald², Robert Grew³, Timo Kark², Ahmet Erkan Kideys⁴, Taru Peltola⁵
and Hester Volten⁶

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⁴Institute of Marine Sciences, Middle East Technical University, Erdemli-Mersin, Turkey

⁵Finnish Environment Institute (SYKE), Joensuu, Finland

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Brussels, 27.7.2020
SWD(2020) 149 final

COMMISSION STAFF WORKING DOCUMENT

Best Practices in Citizen Science for Environmental Monitoring

The value of Citizen Science is recognised in existing policies, and supporting frameworks are emerging

PERSPECTIVE article

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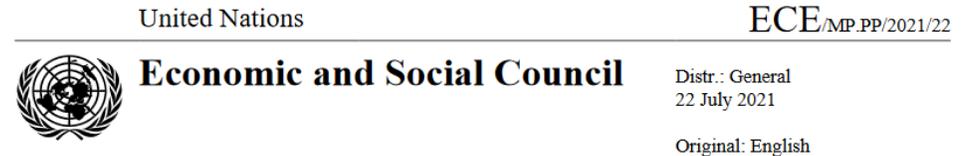


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COMMISSION STAFF WORKING DOCUMENT

Best Practices in Citizen Science for Environmental Monitoring

4



Economic Commission for Europe

Meeting of the Parties to the Convention on
Access to Information, Public Participation
in Decision-making and Access to Justice
in Environmental Matters

Seventh session

Geneva, 18–20 October 2021

Item 9 (c) of the provisional agenda

Programme of work and operation of the Convention: strategic plan for 2022–2030

Draft decision VII/11 on the Strategic Plan for 2022–2030



Core challenges remain...

- Find new ways to streamline environmental monitoring and co-create knowledge for environment-related policy making, across different administrative levels.
- Empower stakeholders to resolve local issues – to put them in place and to ensure lasting solutions.

Thank you!

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