

Citizen Enhanced Open Science, a definition

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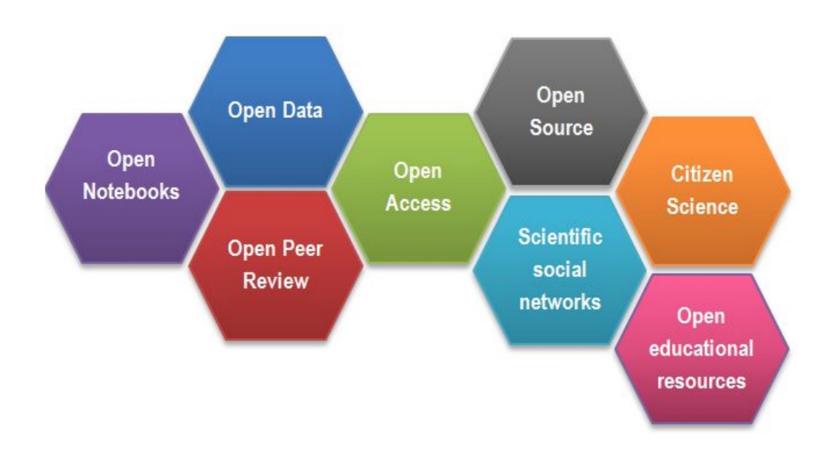
Society Science

So & i & n c et y





Open science as advocacy for a "better" world



citizen Heritage

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W2l

CITIZEN SCIENCE FOR POLICY ACROSS EVROPE



SVEN SCHADE CURRENT STATE OF CITIZEN SCIENCE ACROSS EUROPE

ENROPEAN COMMISSION)

CITIZEN SCIENCE

OCONNECTING DATATO
POLICY MAKERS

2 FEEDBACK

3 MONITORING

scaling

CO-CREATION AND



DIFFERENT IN EACH COUNTRY

CITIZEN SCIENCE

POLICY FOR

AND PRACTICES

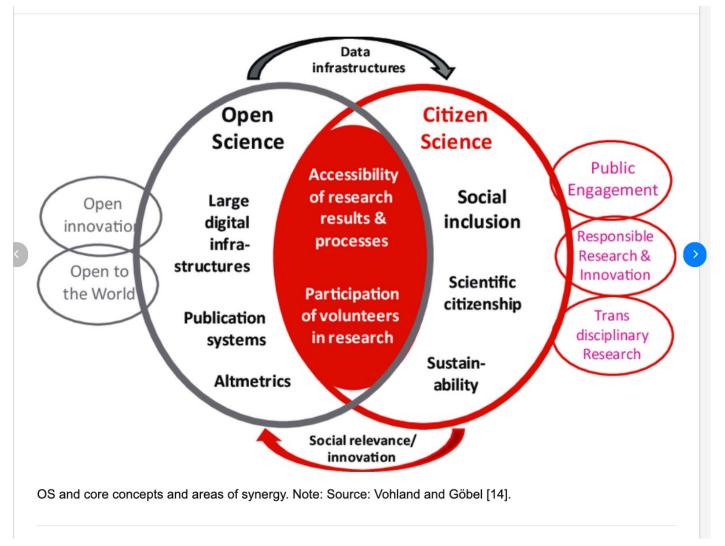
THESE APPROACHES WORK

IMPROVING THE
INTERPLAY BETWEEN
SCIENCE AND SOCIETY

Radicchi, A., Fabó Cartas, C., Sanz, F., Camacho, P. (2021). Citizen Science for Policy Across Europe, MfN, Berlin, Germany https://eu-citizen.science/static/site/files/EU-Citizen_Science_2021_report-policy-event.pdf

citizen Heritage





Vohland, K., Göbel, C. (2017) Open Science und Citizen Science als symbiotische Beziehung? Eine Gegenüberstellung von Konzepten. TATuP – Zeitschrift für Technikfolgenabschätzung in Theorie und Praxis 26 (1/2) 18-24. Available at: https://www.tatup.de/index.php/tatup/article/view/21





Citizen enhanced open science- in practice?

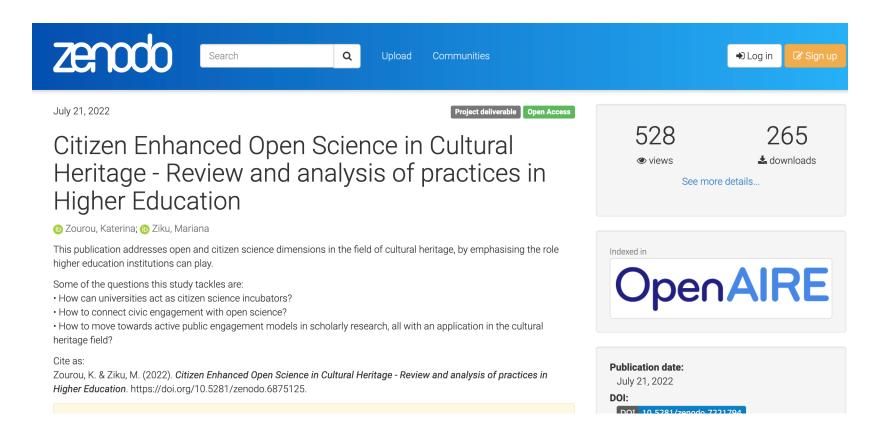


https://libereurope.eu/project/ceos_se-project-citizen-enhanced-open-science-in-southeastern-europe-higher-education-knowledge-hubs/

Check also: https://web2learn.eu/citizen-enhanced-open-science-some-reflections/

Full paper

Full paper



https://zenodo.org/record/7221794#.ZB10oBVByPc



Mapping "Openness"



9-factor typology against which the citizen science projects are analyzed

Rights policy and open licenses under

which eligible collections and digitised or

digital cultural assets are being released

quantitative and qualitative data mainly

concerning public engagement and outcome







Open-access

Policies and statements for content sharing and provision for sustainable open access





data





Open metadata

Information about data licensed and shared independently from the data they are attached to



Indicates access to statistics for



metrics





Open source software/hardware

Technological components and their software licensing framework as free/libre/open for software





results





Open file formats

The provision for open, standardised and international file formats, suitable for long-term preservation

whole or in part, of the work created during the citizen science project

The openly published results in



documentation



Open datasets

Datasets can be shared via data dumps,

Open



and thus, its scholarly value





APIs for dataset download, web-based git and research repositories

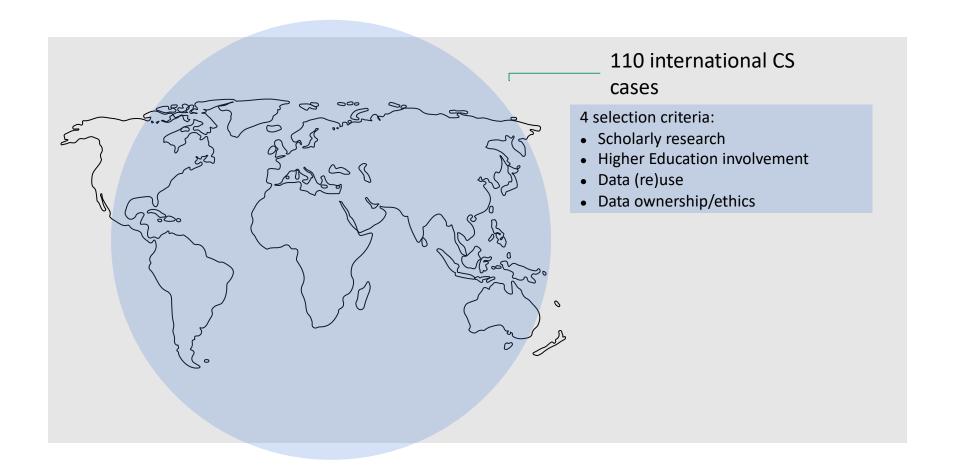
Zourou, K. & Ziku, M. (2022). Citizen Enhanced Open Science in Cultural Heritage - Review and analysis of practices in Higher Education. https://doi.org/10.5281/zenodo.6875125.

•Fig. 1. Openness scope in citizen science, nine-factor typology (infographic). In Zourou & Ziku, 2022. CC BY





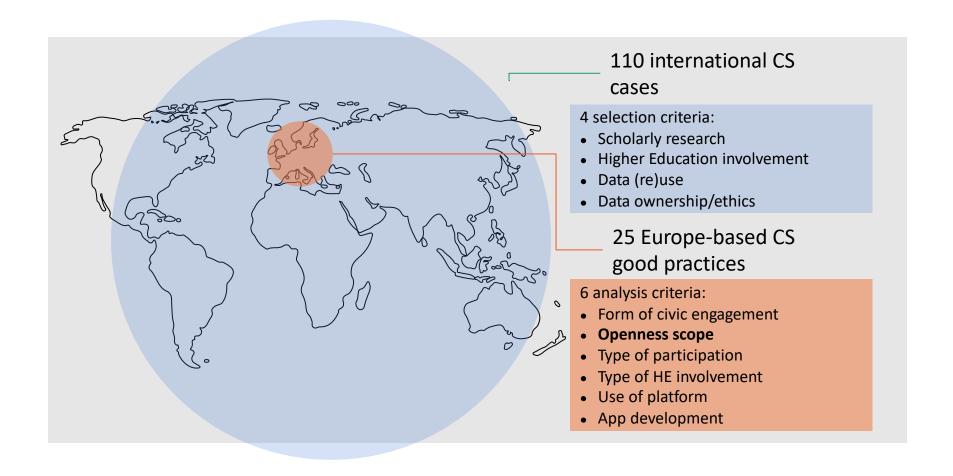
Selection of CS practices in Cultural Heritage







Selection of CS practices in Cultural Heritage







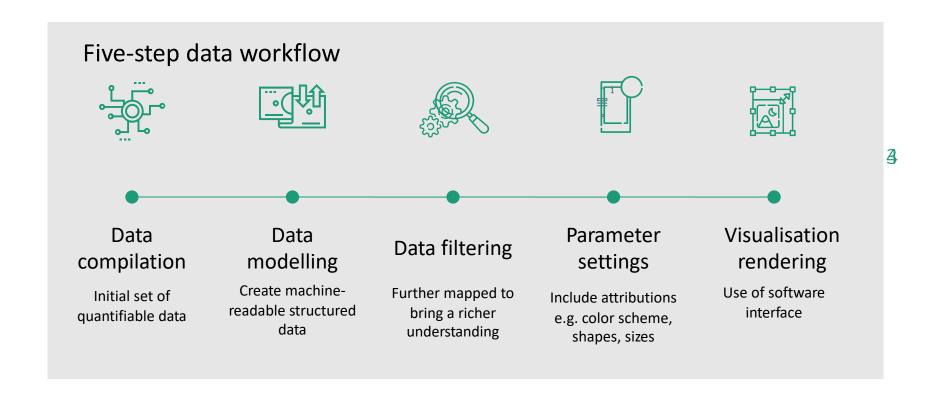
List of 25 selected European-based citizen science practices

1	Living with Machines	8	Listening Experience Database	15	Heritage Quest	22	Topotheque
2	Micro-Pasts	9	Fifties in Europe Kaleidoscope	16	Dodiom	23	Accurator
3	ArcheoSITAR project	10	World Architecture Unlocked	17	Art Pluriverse: A Community Science Series	24	PAGODE
4	Transcribe Bentham	11	PHACS: Participatory Urban Projects	18	CrowdHeritage: Fashion Garment's Type	25	REACH
5	Hanse, quellen, lesen!	12	ARTigo	19	Ajapaik		
6	Transcribathon: Europeana 1914-1918	13	Memória para todos	20	SuALT: Finnish Archaeological Finds		
7	SCAPE: Scotland's Coastal Heritage at Risk	14	Meithal Dúchas.ie: Community transcription	21	WeAre#EuropeForCulture		





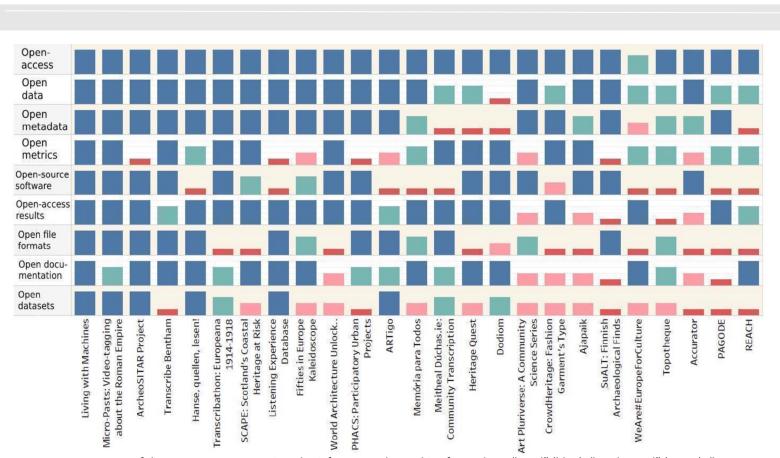
Methodology: Data analysis & Visualisation







Openness scope assessment of 25 CS initiatives



Assessment of the openness scope against the 9-factor typology taking four values, "good" (blue), "partly good" (green), "not clear" (pink), "weak" (red). In Zourou & Ziku, 2022. CC BY 4.0





Openness scope assessment of 25 CS initiatives

Living with Machines	Transcribathon: Europeana 1914-1918	PHACS: Participatory World Arcl Urban Projects Unlocked		itecture	Memória para Tod		Co	: Pluriverse: A mmunity Scienc ries	
Micro-Pasts: Video-tagging about the Roman Empire	Fifties in Europe Kaleidoscope								
		Dodiom	CrowdHeritage: Fashion Garment's Type		SuALT: Finnish Archaeologica Finds		Accurator		
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Transcribe Bentham	ARTigo	Ajapaik		WeAre#EuropeForCulture					

Treemap view of the 25 selected citizen science practices, sorted according to their openness scope based on the 9factor typology. In Zourou & Ziku, 2022. CC BY 4.0





FAIR data assessment of 25 CS initiatives

