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open scholarly communication in the european research area for social sciences and humanities

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L'ÉCOLE DES HAUTES ÉTUDES EN SCIENCES SOCIALES

OpenEdition

Citizen science practices: on the field with the social sciences and the humanities

Alessia Smaniotto
EHESS-OpenEdition/OPERAS

Università di Macerata, 01/10/2024

This project has received funding under the Horizon Europe Framework Programme under Grant Agreement No 101079608. OPERAS received funding under the Horizon Europe and Horizon 2020 programmes and from its members: www.operas-eu.org/funding-information

Citizen science definition(s)

"Citizen science is a common name
for a wide range of activities and practices."
ECSA's characteristics of citizen science (April 2021)

"Citizen Science refers to the engagement of the general public
*in **scientific research activities**.*
*Citizens **actively** contribute to science through their intellectual effort*
or by supporting knowledge with their tools or resources."
Green Paper on Citizen Science: Citizen Science for Europe (2014)

"Les sciences participatives sont définies comme
*les **formes de production de connaissances scientifiques***
*auxquelles des acteurs **nonscientifiques-professionnels**,*
qu'il s'agisse d'individus ou de groupes,
*participent de façon **active et délibérée**.*
Rapport Hullier (2016)

The Science of Citizen Science pp 13–33 | Cite as

What Is Citizen Science? The Challenges of Definition

Mordechai (Muki) Haklay, Daniel Dörler, Florian Heigl, Marina Manzoni, Susanne Hecker & Katrin Vohland

Chapter | First Online: 12 January 2021
22k Accesses | **33** Citations | **24** Altmetric

Abstract

In this chapter, we address the perennial question of *what is citizen science?* by asking the related question, *why is it challenging to define citizen science?* Over the past decade and a half, we have seen the emergence of typologies, definitions, and criteria for qualifying citizen science. Yet, citizen science as a field seems somewhat resistant to obeying a limited set of definitions and instead attracts discussions about what type of activities and practices should

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Describing a practice

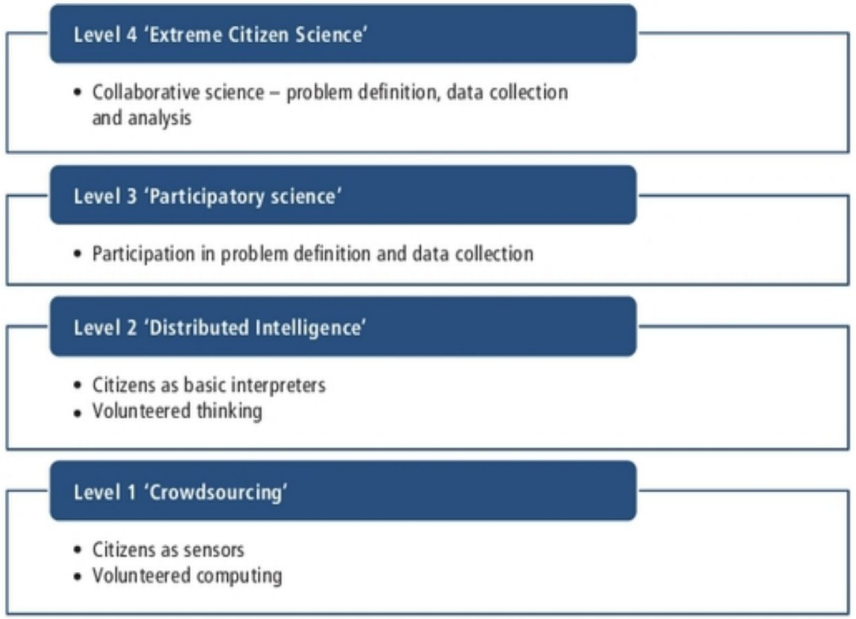

Fig. 4.1 Levels of participation in citizen science (Haklay 2013)

(Haklay et al., 2020)

evolution of typology development itself. It also reinforces the need and desire to employ a multi-faceted view when characterising, describing and analysing citizen science practice more generally.

(ii) Descriptive aspects of citizen science

In addition to the typologies and discussions in the literature, we have further identified the following aspects that can be relevant when describing a specific citizen science initiative:

Types of participants: Citizen science activities can engage a wide range of participants and members of the public. These can include, among others, school pupils, visitors of museums, adventurers or ecotourists, activists, and amateur experts in their free time.

Scientific fields: Citizen science takes place and can be rooted in many different scientific fields and areas of research, such as life sciences, physical sciences, medical research, engineering, social sciences, and humanities. Considerations of outputs and outcomes: Citizen science outcomes can range from knowledge outcomes, such as journal articles, or information used by participants to address issues of local concern, to practical policy outcomes, and tangible outputs can range from an open data repository to a personal checklist of nature observations.

Open science dimensions: The growing importance of open science [32] and the integration of citizen science as part of the European Open Science conceptualisation [33] for opening up scientific processes, stresses the need to address and consider open science practices in citizen science, such as the use of open data, open access publication, releasing research code as open source, and open lab/workflows.

Technology use and accessibility: The type of technology and its use (e.g., pen/paper, desktop computer, mobile phones, sensor boxes, scientific instrumentation (binoculars, telescopes, DNA sequencing kit)) as well as their acc

levels required to operate them, are

The temporal dimension: Citize

happens only once (one-off), over a

or less) and/or long-term (every da

(iii) What is not citizen science?

While some exclusionary statemen

is no explicit definition of what s

(Wiggins and Crowston, 2011)

Conferences > 2011 44th Hawaii Internationa...

From Conservation to Crowdsourcing: A Typology of Citizen Science

Publisher: IEEE | Cite This | PDF

Andrea Wiggins ; Kevin Crowston All Authors

277 Paper Citations | 4770 Full Text Views

Abstract

Document Sections

I. Introduction

II. Related Work

III. Methods

Abstract:
Citizen science is a form of research collaboration involving members of the public in scientific research projects to address real-world problems. Often organized as a virtual collaboration, these projects are a type of open movement, with collective goals addressed through open participation in research tasks. Existing typologies of citizen science projects focus primarily on the structure of participation, paying little attention to the organizational and macrostructural properties that are important to designing and managing effective projects and technologies.

More

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From an educational perspective, PPSR models differ chiefly by involving the public in these steps to varying degrees and by altering the amount of control that participants have over the different steps. For this report we have divided PPSR projects into three major categories:

1) **Contributory projects**, which are generally designed by scientists and for which members of the public primarily contribute data
2) **Collaborative projects**, which are generally designed by scientists and for which members of the public contribute data but also may help to refine project design, analyze data, or disseminate findings
3) **Co-created projects**, which are designed by scientists and members of the public working together and for which at least some of the public participants are actively involved in most or all steps of the scientific process.

Impacts of Public Participation in Scientific Research

To investigate the educational impacts of PPSR we reviewed ten projects including examples of each model type—five Contributory, three Collaborative, and two Co-created. To standardize our methods

(Bonney et al., 2009)

Citizen science types

CROWDSOURCING

→ participants provide ressources (ex. collect data)

PARTICIPATORY RESEARCH

→ participants are actively involved in several phases of the research process

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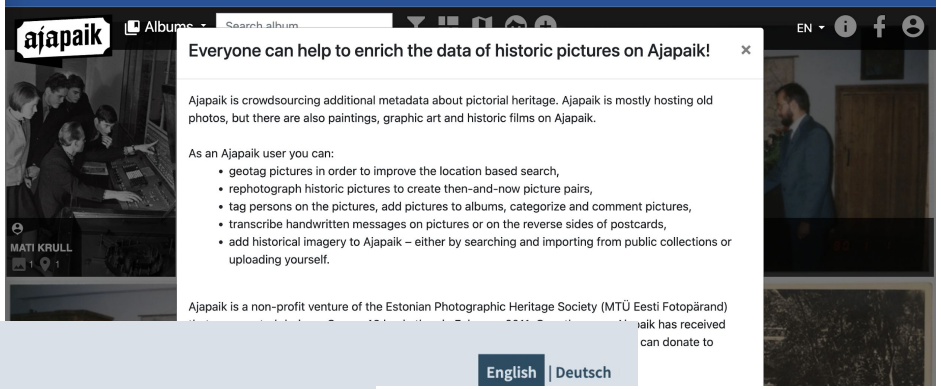
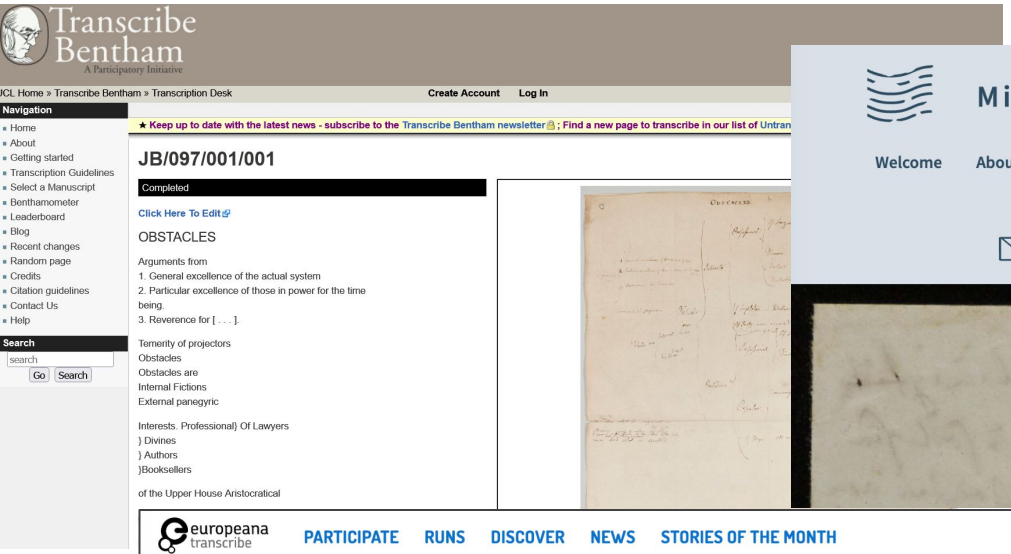
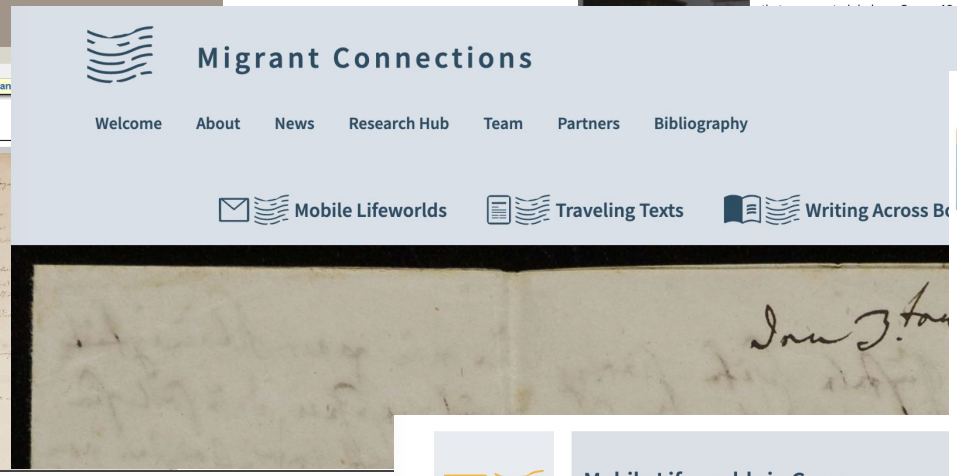
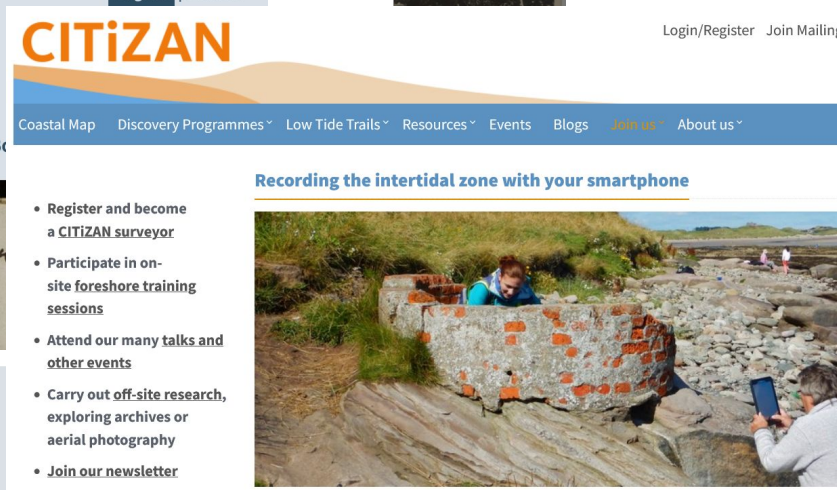
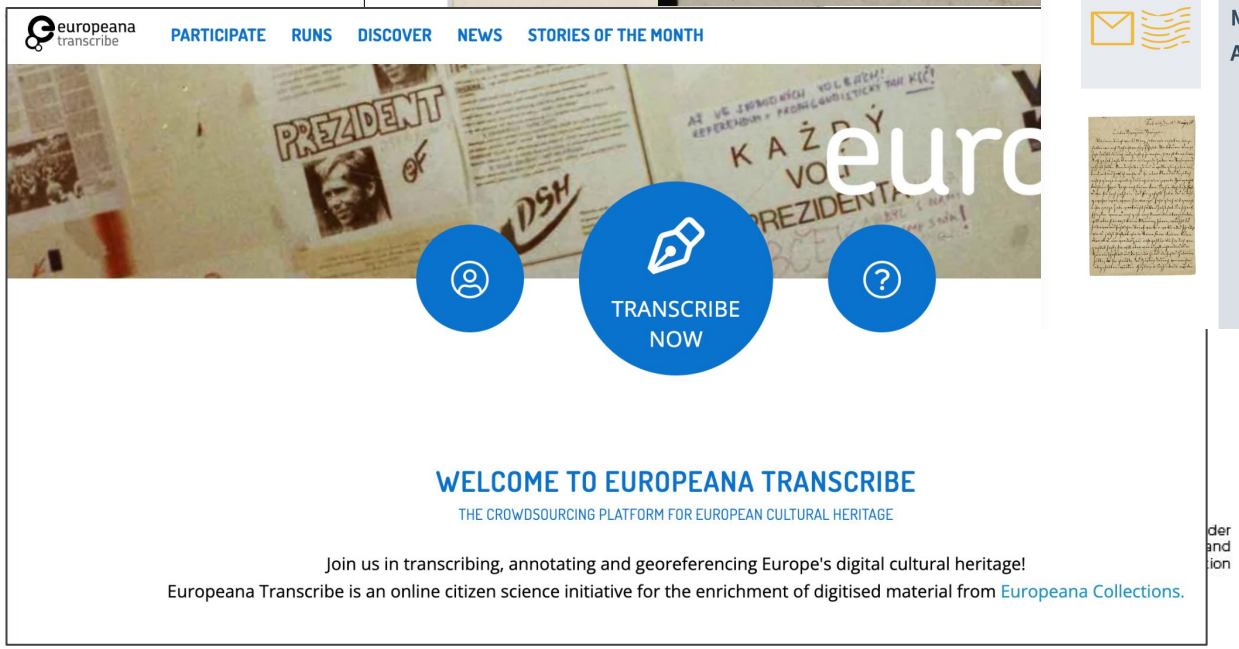
SSH contributory projects

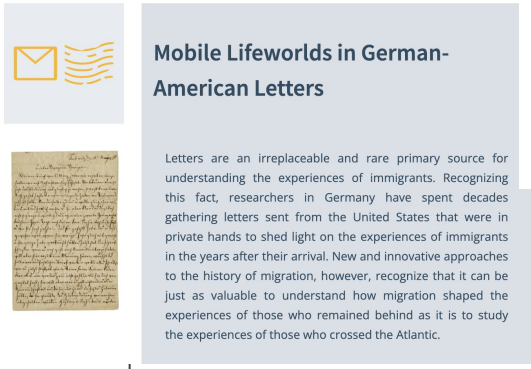












SSH participatory projects → https://coeso.hypotheses.org/pilots

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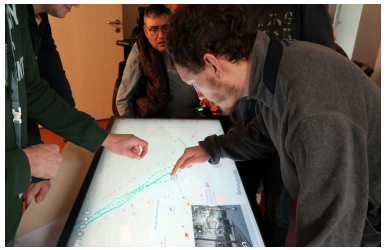

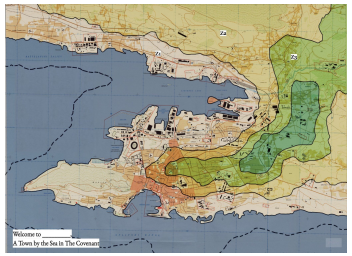

A diversity of participatory approaches and research questions

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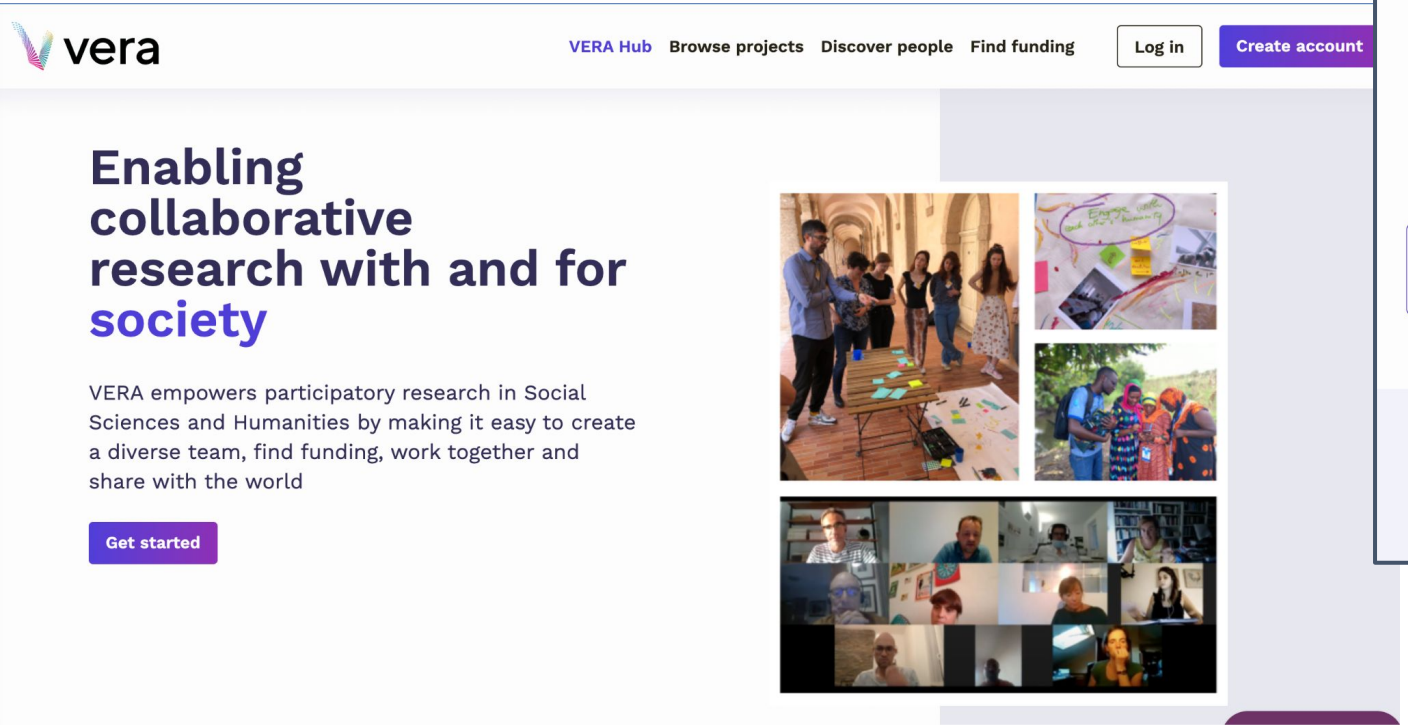
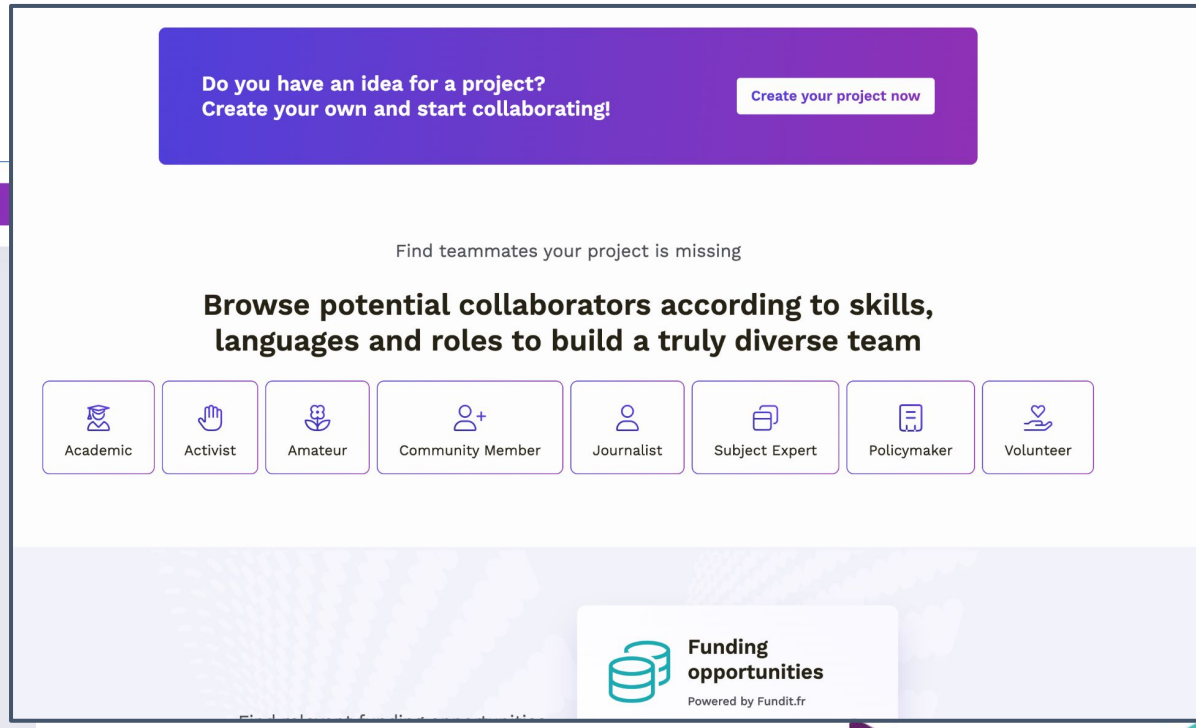
The VERA Hub





vera.operas-eu.org

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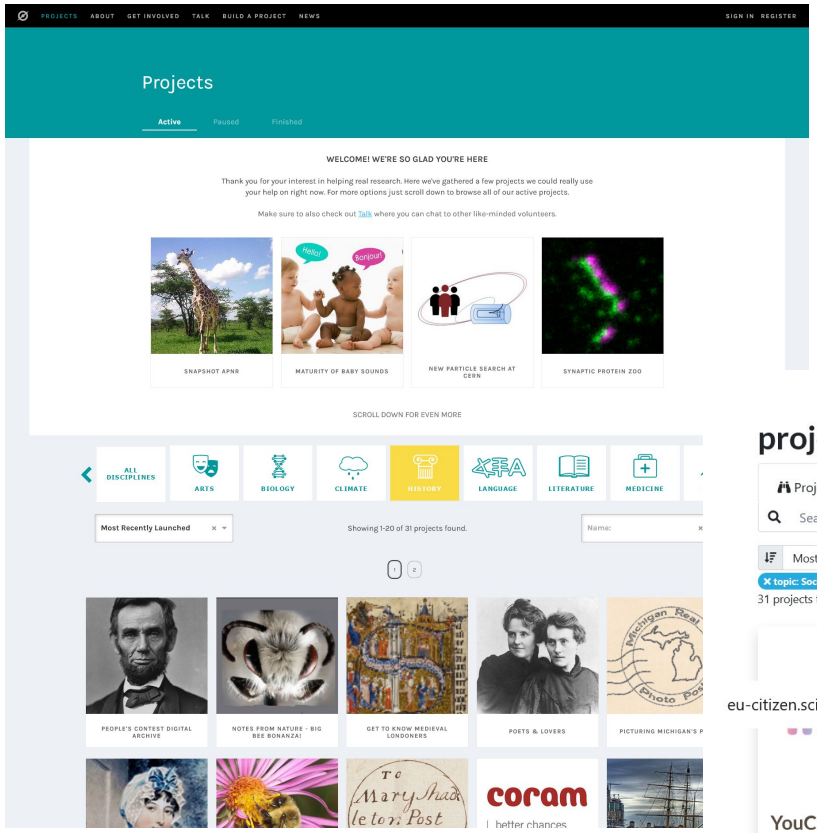
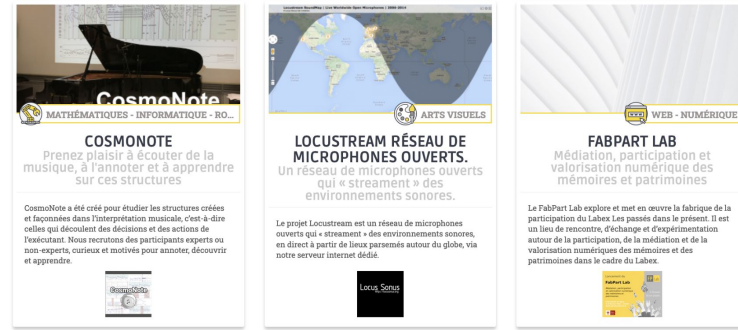
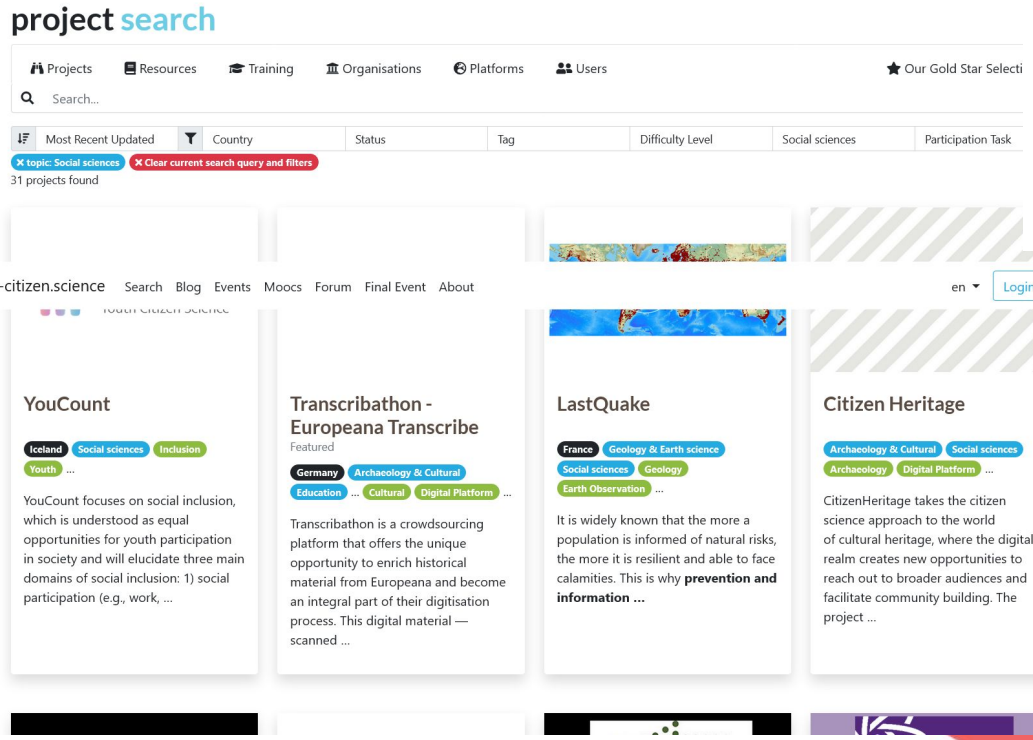
Some more to discover



Zooniverse
Eu-citizen.science
National platforms for citizen science
Particip'Arc network (France)





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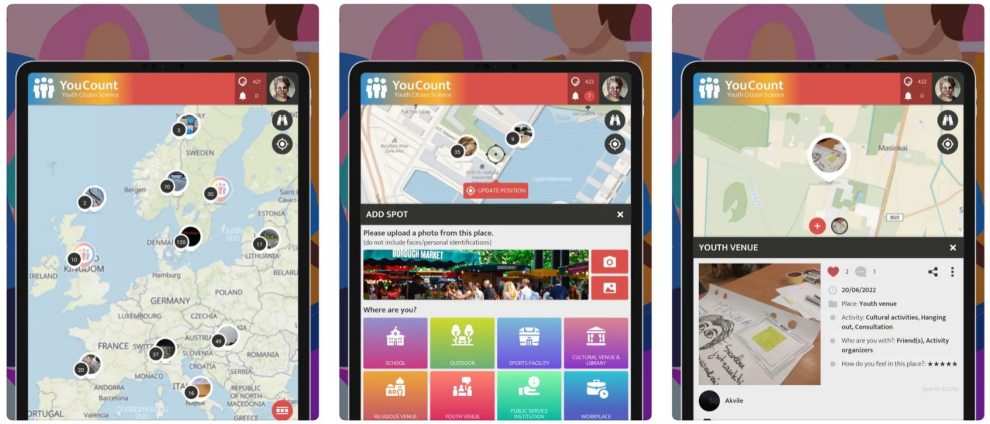
Handling citizen social science data



Let's explore how young people can be socially included!

With the YouCount App, you can contribute to better knowledge on social inclusion for young people. Together with youths from nine European countries – Austria, Denmark, Hungary, Italy, Lithuania, Norway, Spain, Sweden, and the United Kingdom – you can share your daily life experiences of participation, more

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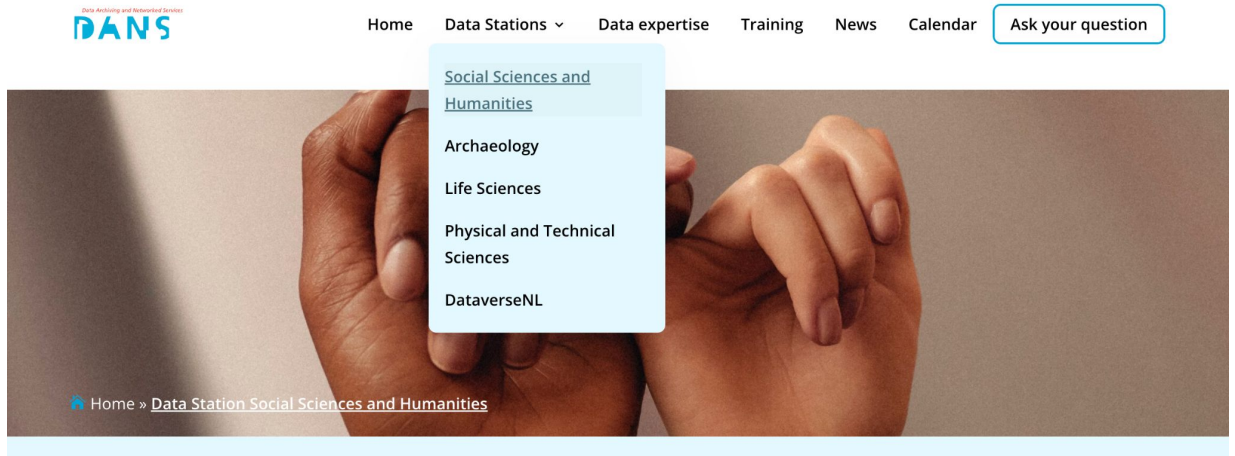
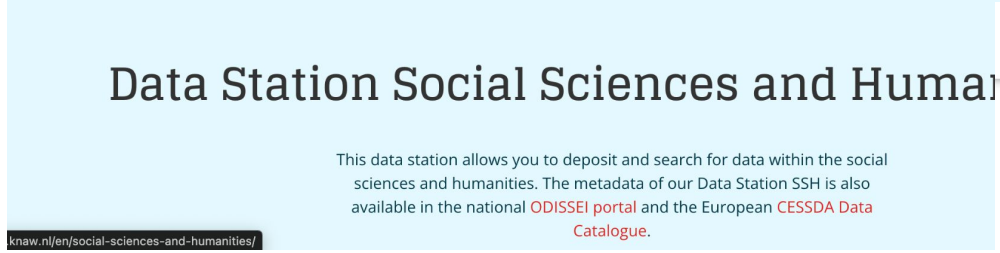
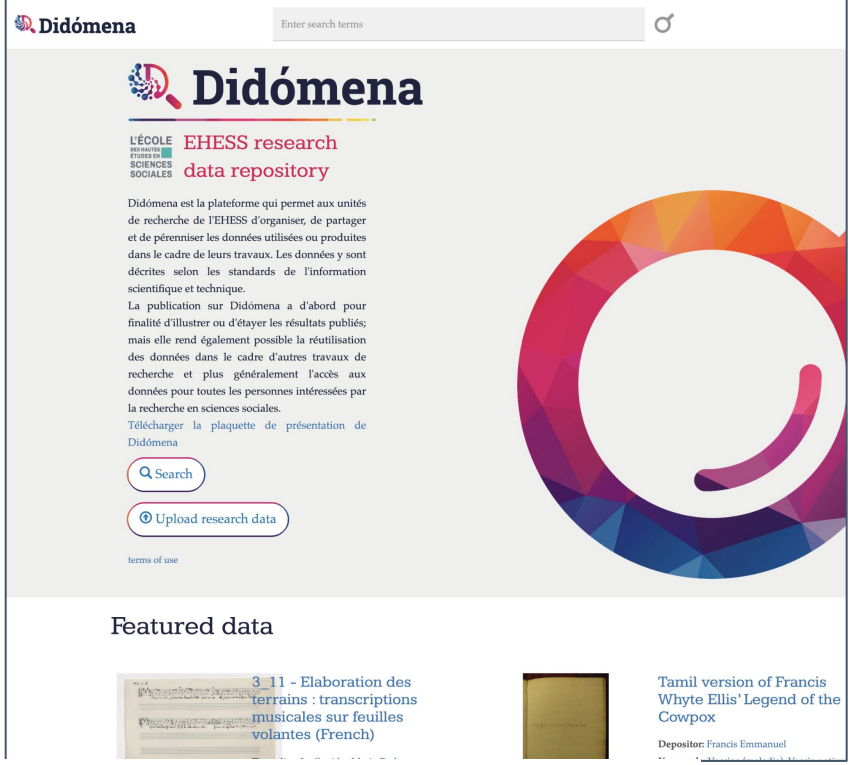
SSH research data repositories







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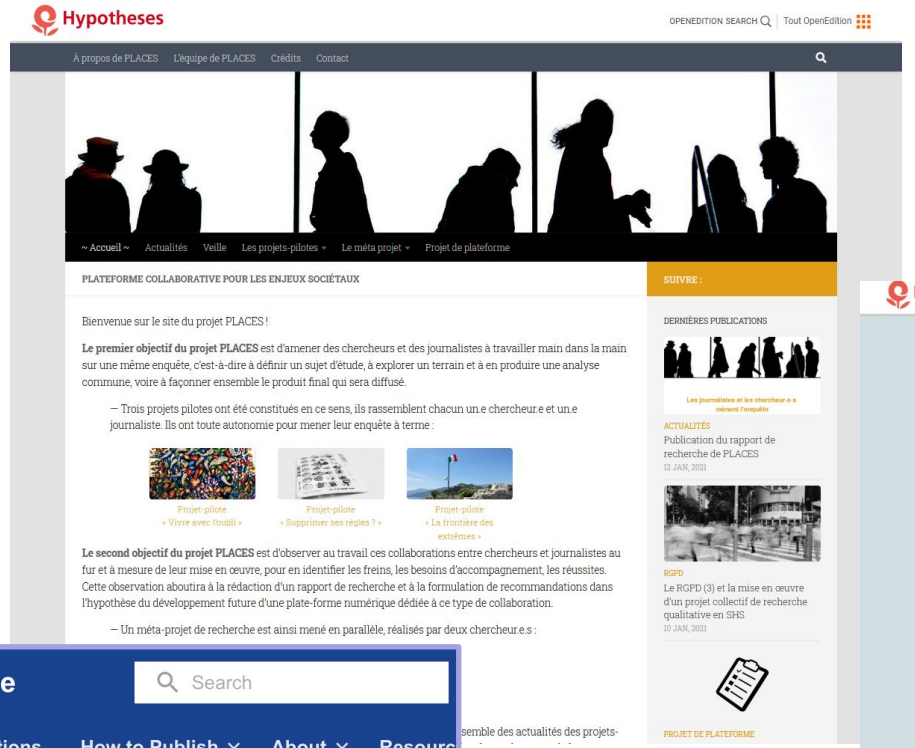
Diversity of practices, methodologies and outputs

COESO pilots were:
→ small scale
→ integrated collaborations

MAPPING
SURVEYS
FOCUS-GROUPS
INTERVIEWS
PHOTOVOICE
CREATIVE MAPPING
GAMING

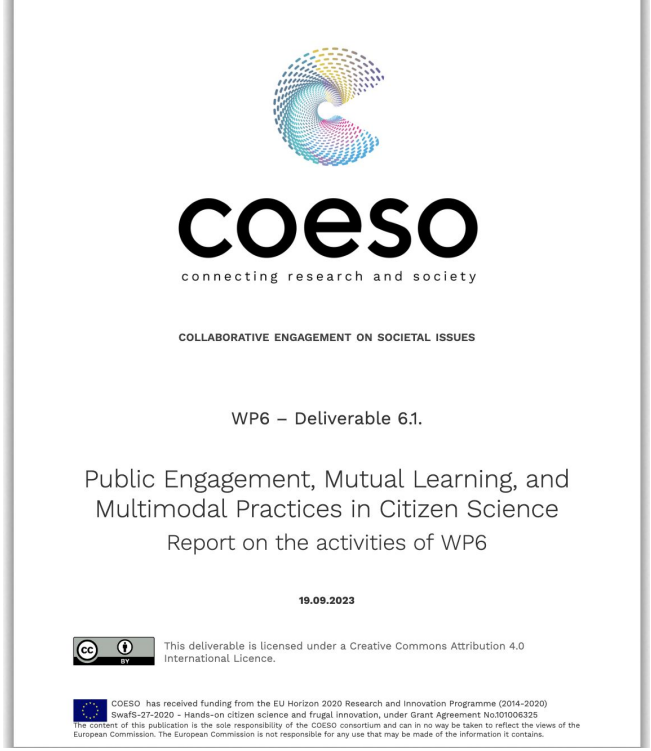
URBAN WALKS
COLLABORATIVE INQUIRY
CO-DESIGN
CAPACITY BUILDING EVENTS
WORKSHOPS

Supporting communities of practice - Hypotheses.org



https://doi.org/10.12688/openreseurope.15262.1

Mutual learning spaces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COLLABORATIVE ENGAGEMENT ON SOCIETAL ISSUES

WP6 – Deliverable 6.1.

Public Engagement, Mutual Learning, and Multimodal Practices in Citizen Science
Report on the activities of WP6

19.09.2023

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COESO has received funding from the EU Horizon 2020 Research and Innovation Programme (2014-2020) SwafS-27-2020 – Hands-on citizen science and frugal innovation, under Grant Agreement No.101006325
The content of this publication is the sole responsibility of the COESO consortium and can in no way be taken to reflect the views of the European Commission. The European Commission is not responsible for any use that may be made of the information it contains.

(Leon Quijano & Benei, 2023)
https://doi.org/10.5281/zenodo.10046771

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Co-writing/Co-presenting

ADHUC

català | english | español

Home / Diferencia sexual. ¿Una ontologia práctica?

Diferencia sexual. ¿Una ontologia práctica?

INICIO | ¿QUÉ ES? | EQUIPO | FORMACIÓN INVESTIGADORA | VISITANTES | INVESTIGACIÓN | PUBLICACIONES | ACTIVIDADES | INNOVACIÓN DOCENTE | CÁTEDRA UNESCO

Una ontologia pràctica?

octubre - desembre 2021

7 octubre: Diferència sexual: entre la figuració i la formalització
Begonya Saez Tajafuerce (UAB) i Alina Mierlus (UAB)

20 octubre: Matrix. El género de la filosofía latinoamericana
Alejandra Castillo (UMCE)

3 novembre: Freedom and the practice of authenticity in Italian feminism
La liberté et la pratique de l'autenticité dans le féminisme italien
Stefania Ferrando (EHESS)

24 novembre: Sexual difference, the new "biological" turn and its complications in contemporary feminist theory
Anne E. Berger (Cornell / Paris-8)

1 desembre: Reflexiones sobre el "entre": praxis, pensamiento y crítica de la diferencia sexual
Teresa Hoogeveen (UB) i Andrea Ugalde (UB)

15 desembre: Gilman: diferencia sexoeconómica y cultura androcéntrica
Núria Sara Miras Boronat (UB)

Online via zoom, inscripció prèvia a s.diferenciasexual@gmail.com
Totes les sessions comencen a les 16.00 (hora de Barcelona)
Web: diferenciasexual.cc

Jueves 7 de octubre a miércoles 15 de diciembre de 2021 a las 16h
Virtual session
Cartell (230.51 KB)
Seminari Diferència Sexual
CV Teresa Hoogeveen

El Seminari d'investigació "Diferència sexual – una ontologia pràctica?" que se llevará a cabo bimensualmente durante los meses de octubr
y apertura constituti
perspectivas de la di
predoctorales – Tere
Barcelona) y Andrea
diferencia sexual sig
nuestra tradición oc
diferencia ontológic

diotima
comunità filosofica femminile

LA RIVISTA DI DIOTIMA

Per Amore del Mondo

Direzione
Diana Sartori e Sara Bigardi

Redazione
Chiara Zamboni, Wanda Tommasi, Anna Maria Piussi, Maria Livia Alga, Anastasia Rossato, Caterina Diotto, Lucia Vantini

Consulta l'archivio di autrici e autori

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April 4, 2022

Project deliverable | Open Access

Report on accessibility to sensitive and privately-owned databases (COESO D.2.8)

Bagnoli; Rinaldi

Project member(s)

Gingold; Smaniotto

This report (Deliverable D.2.8) discusses the need for data accessibility in journalism practices. Specifically, it addresses the benefits of developing collaborative spaces and innovative tools that allow both journalists and public authorities to perform in-depth investigations of the links between criminal actors and legitimate assets - in particular legitimate companies - to uncover the risks of corruption, collusion, financial crime and organised crime.

Preview

Page : 1 sur 10 | Page entière

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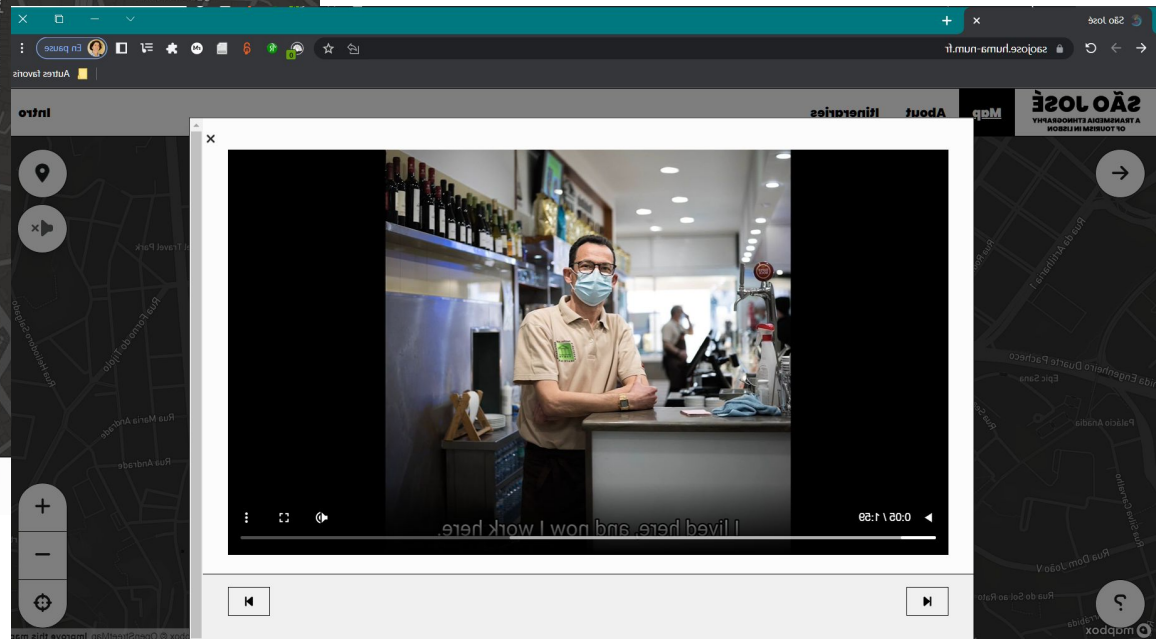
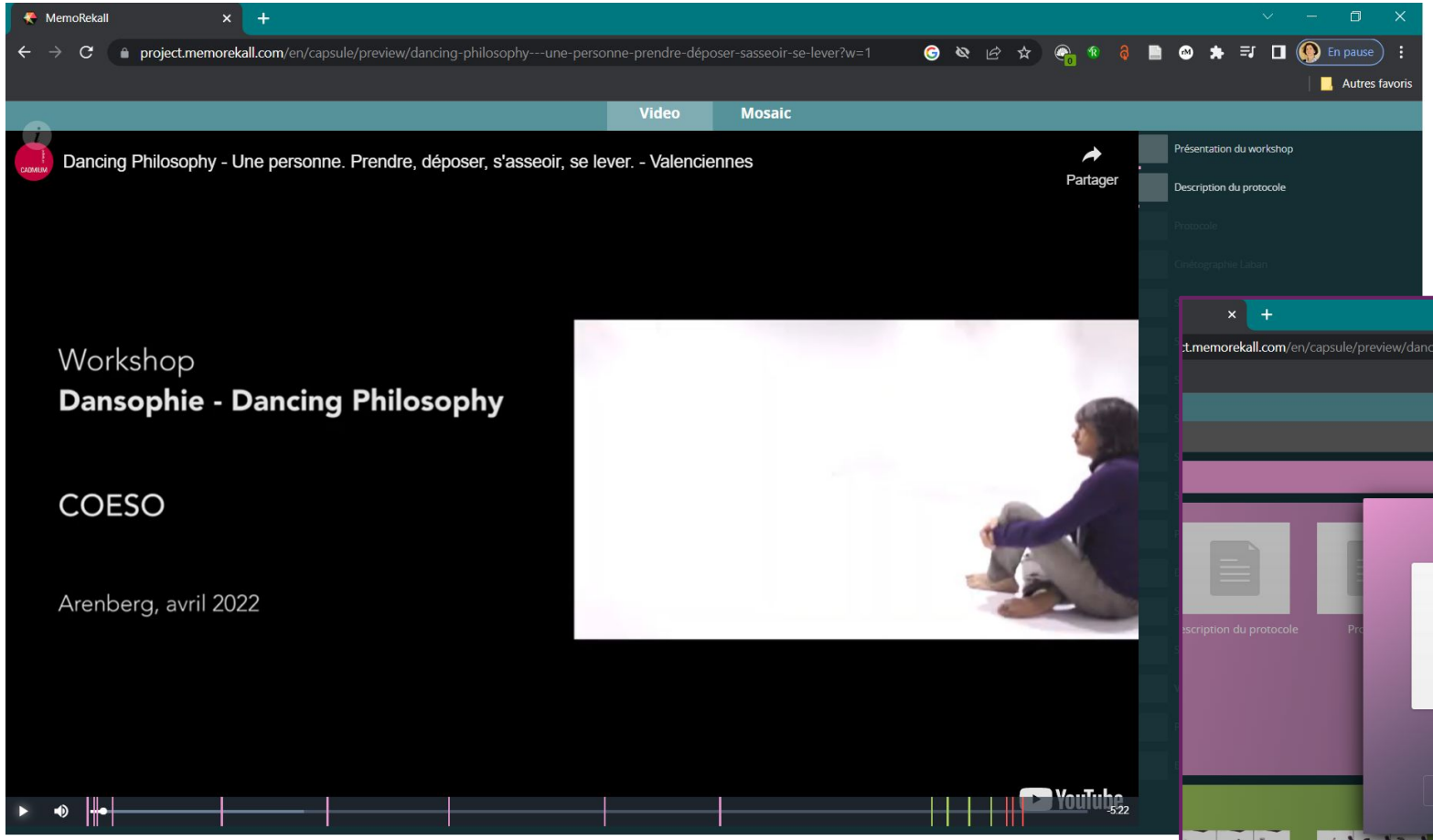
ve and

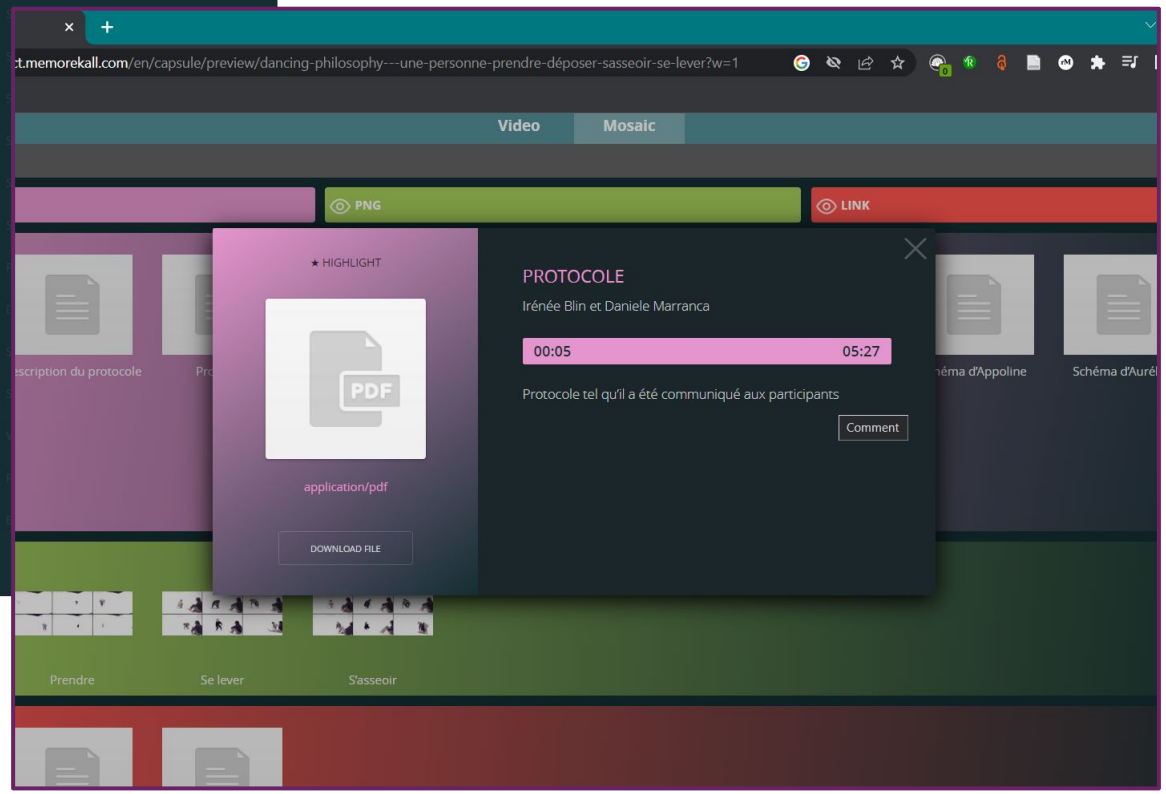
Transmediatized ethnography of the Lisbon Tourism Observatory

https://saojose.huma-num.fr/intro



Memorekall for Dancing Philosophy





https://project.memorekall.com/en/capsule/preview/dancing-philosophy---une-personne-prendre-d%c3%a9poser-sasseoir-se-lever?w=1

Disseminating/Valorization

Social networks

Newsletters

Podcast

Articles for «the general public»

Take-away

- Explore the diverse citizen science and participatory approaches and **SSH choose the one(s) that better fit with your project and or one of its specific phases**
- Look around and be inspired by and **connect with similar projects**
- Consider scenarios and manage the best way to **handle your data** (ex. sensitive information)
- Think **multilingualism** (for both natural and professional languages)
- Dare exploring and use **unconventional and/or innovative output formats** (text, pictures, audio, video, …)

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The social sciences and humanities contributions to citizen science: insights from the COESO project journey (COESO D.7.6)

(Smaniotto, 2023)

Monographica. Citizen Science with and within the Social Sciences and the Humanities, in *Etica&Politica*, XXV/2, 2023

(Eds: Smaniotto, Passani, 2023)

Thank you!

Alessia Smaniotto, EHESS-OpenEdition/OPERAS
alessia.smaniotto@openedition.org

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