

CITIZEN SCIENCE & COMMUNITY-BASED RESEARCH



**EMPOWERMENT
INCLUSIVENESS
EQUITY**

ZINE

**#EIEZine
#ECSA2022**

In the Zine you will find reflections on the topics of Empowerment, Inclusiveness and Equity in Citizen Science and Community-Based Research.

Each page was created by a person or group of people who attended the pre-conference workshop at ECSA 2022, run by the EIE working group.

Contributions reflect people's experiences, opinions, questions and expertises - and of course their creativity! Zines are informal, non-commercial self-published booklets used as a way of exploring new ideas, concepts and feelings. We encourage you to join in using the blank pages in this book.

We'd love to see your creations on twitter with #EIEZine and #ECSA2022.

What's the EIE Working Group?

Who we are:

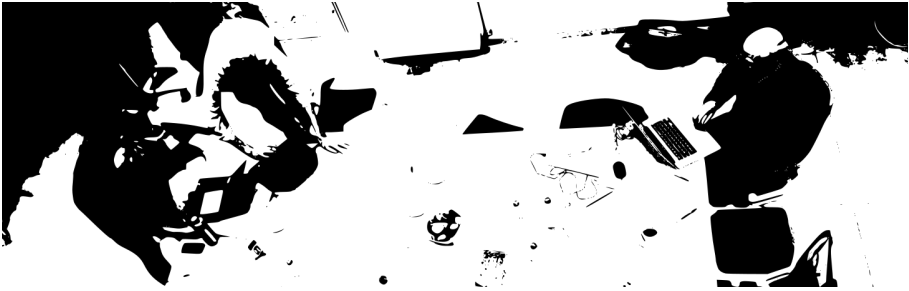
We nurture a network for exchange and peer-support on Empowerment, Inclusiveness and Equity in Citizen Science and Community-Based Research. Our work is motivated by a joint interest in more cooperation, exchange of experiences and development of methods by practitioners. The Working Group is a joint initiative of ECSA and the Living Knowledge Network. Four co-chairs are contact points and facilitate activities: Alexandra Czeglédi, Petra Benyei, Michael Sogaard Jorgensen & Claudia Göbel.

What we do:

Monthly online meetings with input talks and joint activities
Active mailing list for sharing EIE-related news, publications, opportunities, etc.

WG members initiate subgroups to run their own activities, e.g. developing the ECSA2020 safe space policy, a literature review on EIE topics, science-art projects, webinars on youth engagement with Citizen Science & many more.

[1] Göbel (2019) Open Citizen Science — Outlining challenges for doing and defining Citizen Science based on results from the DITO's project <https://doi.org/10.17605/OSF.IO/7ETKS>



How we work together:

We seek to practice Open Citizen Science (Göbel 2019)[1]. This idea emphasizes the use of pluralistic concepts, situated openness of data and other research results, addressing questions of power upfront, building open organisations, attention to international dimensions and inequities as well as mutual care and fair working conditions.

For our working group activities this means:

- Open participation – interest as basis for joining, no formal membership required
- Co-created WG activities – everybody can suggest activities, others support
- Regular community calls – aiming for stimulating, pleasant, fun interaction
- Open documentation & publication of activities
- Feedback & reflections on how we work together valued
- Staying curious – this is experimental work, we try out & build new ways together.

Where to find us:

Get in touch with any of the co-chairs, find more information on the ECSA homepage, subscribe to our working group mailing list:

<https://www.listserv.dfn.de/sympa/subscribe/ecsa-empowerment>

Claudia Göbel



My Space, My City, My World...

We all have a personal space that reflects our personality, imaginatively and emotionally.

We all have a neighbourhood that we are attached to, emotionally and socially.

We all have a World that we contribute to and feel a stake in, communally and emotionally.

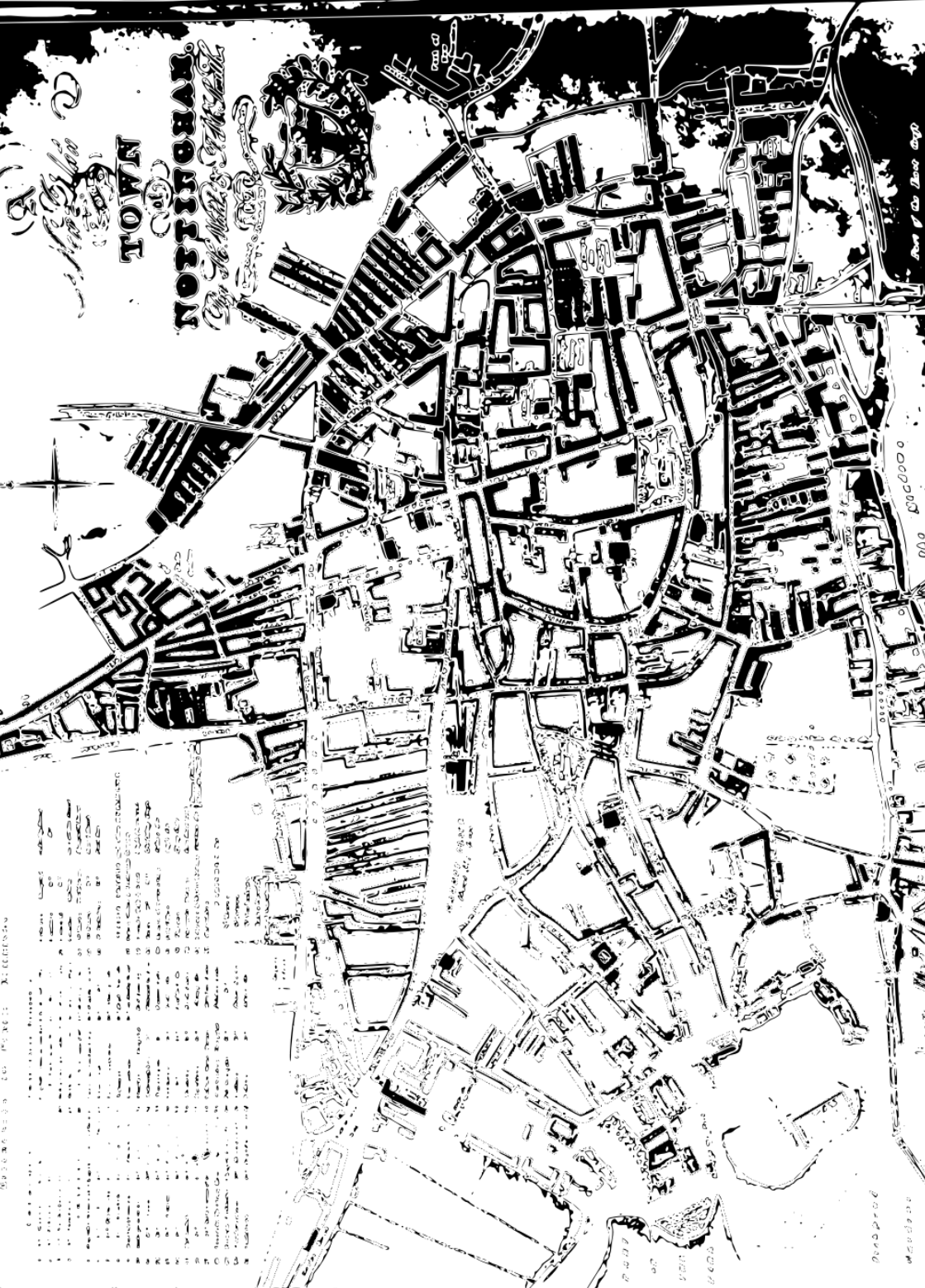
This is a framework for a personal conversation about My Space, My City, My World...

Rick Hall

REPRODUCED BY THE NATIONAL ARCHIVES

TABLE OF CONTENTS

Page	Section
1	General Information
2	Map of the City
3	Map of the County
4	Map of the State
5	Map of the Nation
6	Map of the World
7	Map of the Universe
8	Map of the Cosmos
9	Map of the Galaxy
10	Map of the Universe
11	Map of the Cosmos
12	Map of the Galaxy
13	Map of the Universe
14	Map of the Cosmos
15	Map of the Galaxy
16	Map of the Universe
17	Map of the Cosmos
18	Map of the Galaxy
19	Map of the Universe
20	Map of the Cosmos
21	Map of the Galaxy
22	Map of the Universe
23	Map of the Cosmos
24	Map of the Galaxy
25	Map of the Universe
26	Map of the Cosmos
27	Map of the Galaxy
28	Map of the Universe
29	Map of the Cosmos
30	Map of the Galaxy
31	Map of the Universe
32	Map of the Cosmos
33	Map of the Galaxy
34	Map of the Universe
35	Map of the Cosmos
36	Map of the Galaxy
37	Map of the Universe
38	Map of the Cosmos
39	Map of the Galaxy
40	Map of the Universe
41	Map of the Cosmos
42	Map of the Galaxy
43	Map of the Universe
44	Map of the Cosmos
45	Map of the Galaxy
46	Map of the Universe
47	Map of the Cosmos
48	Map of the Galaxy
49	Map of the Universe
50	Map of the Cosmos



THE CITY OF NEW YORK

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How
CAN
I 
SCIENCE
IF...

Petra, Alex, Carlos, Valentín, Barbara

... I
DON'T EVEN
Σ **EXIST** Σ
FOR IT??




It
doesn't
speak to me...



Valentin Pajares

not cool
It
reinforces
Social
Hierarchy

not sexy

I 
AM
★NOT
involved?

THERE IS
NOBODY
THAT LOOKS
LIKE
ME...

?

Engaging people with disabilities in citizen science for climate action

People with disabilities (*here: Deaf and hard-of-hearing (DHH) adults*) may not always have the possibility to exercise their full citizen rights. This project is designed to enable DHH adults in citizen science projects addressing climate change. Participants come from Greece, Cyprus, Italy and France.

Project results: a toolkit for DHH trainers, open online resources for DHH adults and hands-on citizen science projects organised by this vulnerable community. Check <https://citsci4all.eu/> for more info.

Stefania, Katerina

WITHOUT ^{OR REDUCE??}
HIERARCHIES

WHAT IT
MEANS?
FIRST IMPRESSIONS...

INCLUSIVENESS

COST
BARRIERS

IDENTITY
AGE
DIVERSITY

ENABLING

GENDER

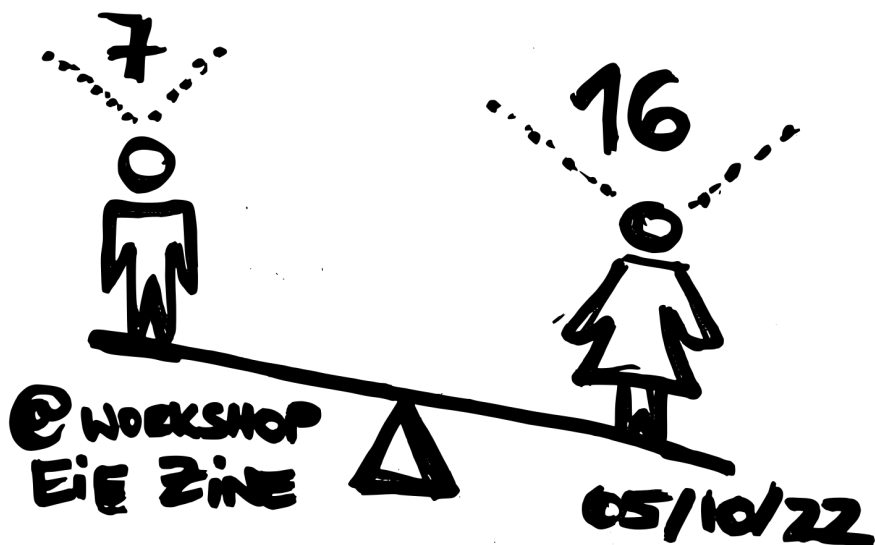
GEOGRAPHIC

and so much
more to think about...

— GROUP 5 : LUIGI, MARCO, GELITA, JULIA

22/10/05

WHO IS INTERESTED
IN EQUITY, EMPOWER-
MENT + INCLUSIVENESS ?!



- GROUP 5 - LUIGI, MARCO
GERID, JULIA

DID YOU KNOW
THAT
'INCLUSIVE
RESEARCH'
IS AN
ULTIMATE
PARTICIPATION
FORM OF
CITIZEN
SCIENCE?



Inclusive research with people with intellectual disabilities exists since the 80's! There is a long track record of knowledge, designs and case studies that can be informative for citizen science projects with people in vulnerable positions such as illiterates, people in low SEP, etc. You do not have to invent the wheel!

At the Academic Collaborative of Radboudumc, we work with our co-researchers throughout all phases of our research. They are instigators of ideas and research questions, think about methodology, collect data, analyse and process it, and help in the dissemination. We investigate power dynamics, co-creation designs that are adopted to illiterates, ethics, science communication, etc.

We are also working on tools and ways to get our knowledge out there. Want to collaborate? Or want to know more?
Contact me: kris.bevelander@radboudumc.nl

www.sterkeropeigenbenen.nl

Kris Bevelander

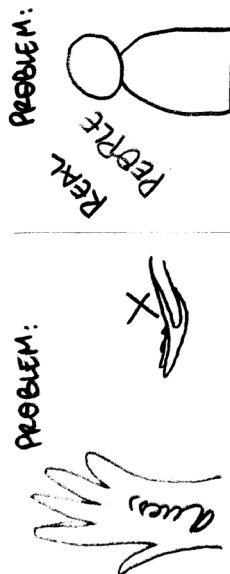
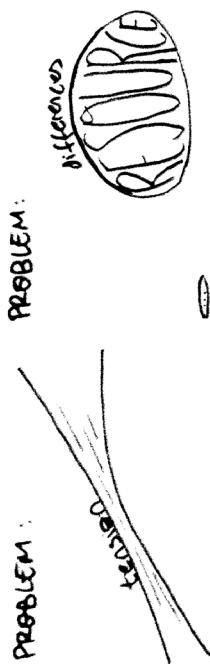
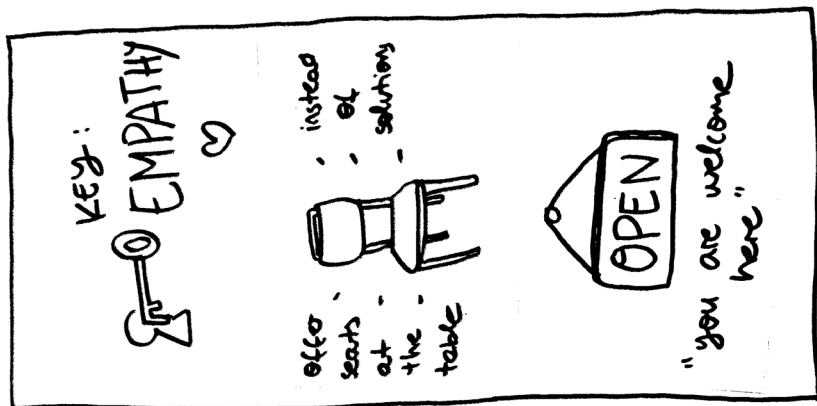


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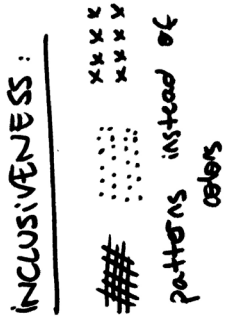
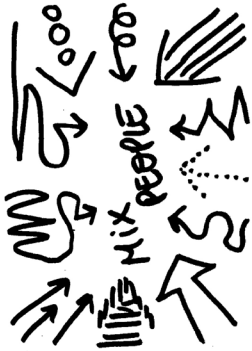
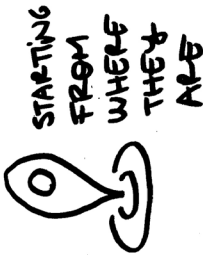
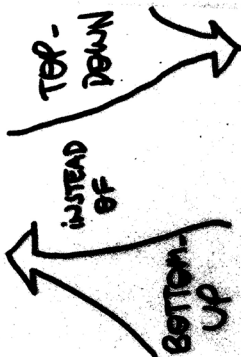
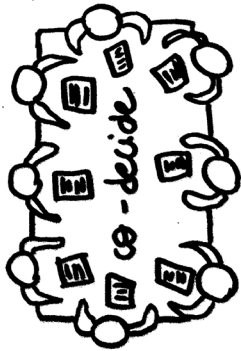
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What we can do from where we are

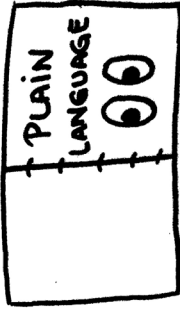


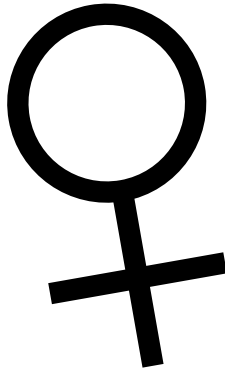
Blanca Guasch & friends



BIG LETTERS

instead of small





A
safe
space?

Not a safe space

Many female students and academics, especially in male dominated fields such as physics, experience several forms of harrassment during their studies and their career, that often contribute to their choice of bringing their expertise somewhere else. This project by students in Vienna wants to bring these experiences to the surface through art:

<https://art.nawi.at/>

Chiara Cardelli

SMASH

MASH

ASH

Shhh



Claite Murray
Philipp Hummer

Cascading impacts of a lack of diversity in citizen science

Citizen science suffers from a lack of diversity in its participants, with those from marginalised groups being the least likely to participate. This lack of diversity has implications that can cascade through the outcomes and impacts of projects for science, for participants and for wider society. These implications at best hamper citizen science achieving its full potential and at worst could further entrench existing inequalities in society. How we can overcome this lack of diversity should be seen as a priority for citizen science.

Contribution based on work done in collaboration with Sarah West.

Rachel Pateman



Science
research
outcomes

Socioenvironmental
outcomes

Individual
science learning
outcomes

Community
learning
outcomes

WHAT ARE THESE?

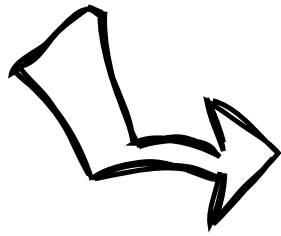
HOW DO WE
MEASURE
THEM?

Community learning outcomes

Citizen science/community science seeks to achieve multiple outcomes. These can include science research outcomes, socioenvironmental outcomes, individual learning outcomes, and community learning outcomes. Community learning outcomes are especially relevant for inclusive, empowerment and equity. We need to articulate community learning outcomes and consider ways to measure these outcomes to understand short- and long-term impacts of citizen science/community science efforts.

Cathlyn (Cat) Davis (from work and initial discussions with others including Veronica Del Bianca, Tina Phillips, Monica Ramirez-Andreotta)

YOUR SPACE



Add your own thoughts to the conversation on the following empty pages.

In case you don't know where to start with putting your ideas on a page, here are some prompts:

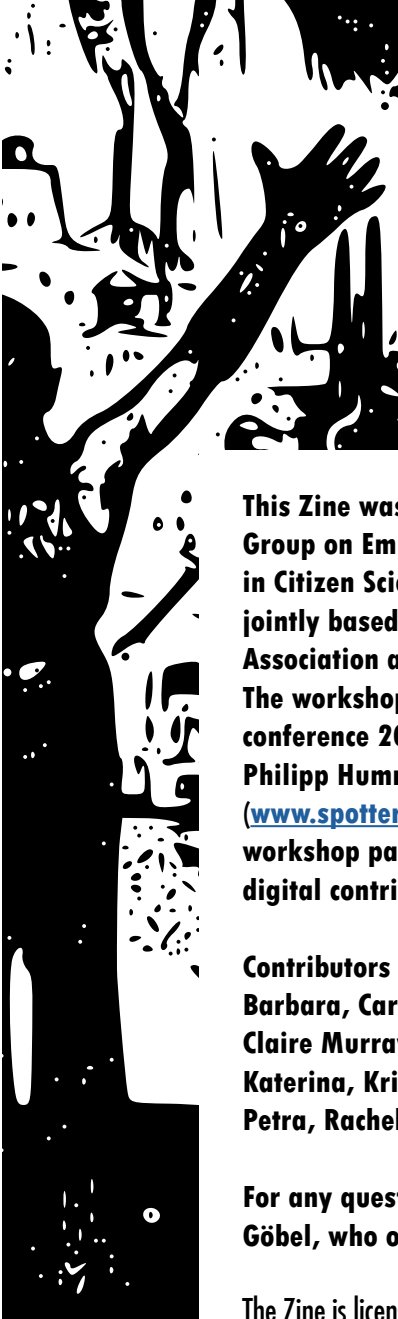
- What did you learn about empowerment or inclusiveness or equity at ECSA2022?
- How might your Citizen Science practice change to address these topics more?
- How did you feel about diversity at the ECSA conference?
- Is there any concept, practice or idea on these topics that you could share with others?

Share yours on twitter with #EIEZine!









5.10.2022

IMPRINT

This Zine was made in a workshop by the Working Group on Empowerment, Inclusiveness & Equity in Citizen Science and Community-Based Research jointly based at the European Citizen Science Association and the Living Knowledge Network. The workshop took place at the occasion of the ECSA conference 2022 in Berlin.

Philipp Hummer from SPOTTERON (www.spotteron.net) collected the contributions by workshop participants and did the layout for the digital contributions.

Contributors who agreed to be named include: Alex, Barbara, Carlos, Cathlyn (Cat) Davis, Chiara Cardelli, Claire Murray, Claudia, Gerid, Julia Kaufmann, Katerina, Kris Bevelander, Luigi Ceccaroni, Marco, Petra, Rachel Pateman, Rick Hall, Stefania, Valentín.

For any questions you can get in touch with Claudia Göbel, who organised the workshop.

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