

Citizen Science in Air Quality Monitoring
Social & political impact

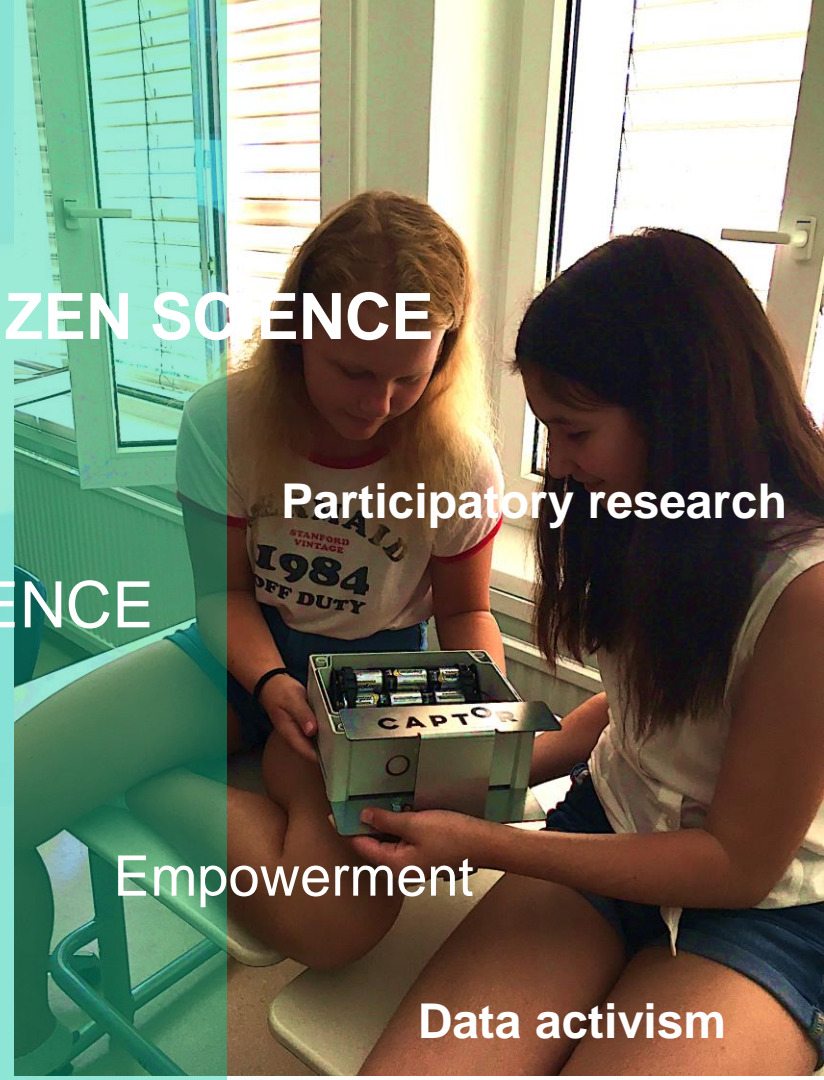
CITIZEN SCIENCE

OPEN SCIENCE

Participatory research

Empowerment

Data activism



What is citizen science?

Citizen science is the active involvement of citizens in scientific projects.

Depending on the project, this involvement can be organized in different ways.



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It comes in many shapes and sizes



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C.S.I. Pollen (University Graz)
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Citizen Engagement in Actions for Air Quality



Working with existing communities of activists, citizens, local decision makers, scientists



CAPTOR

Existing Initiatives

SMART
CITIZEN



hackAIR



AIRSENSEUR

open framework for air quality monitoring



Making Sense



luftdaten.info



Citizen Sense



IMPACT for society

How to communicate?

How to engage
citizens?

How to involve
government?

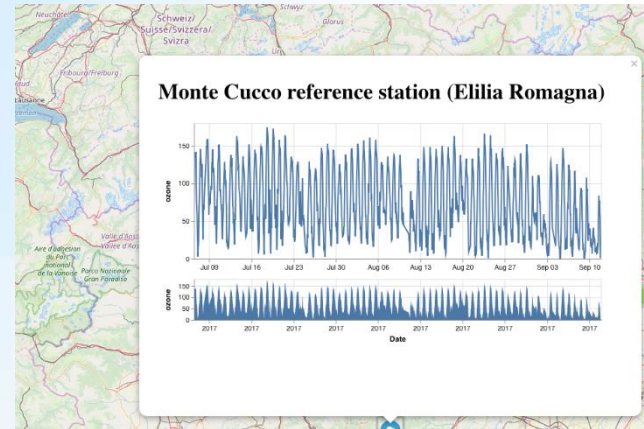
How to motivate
scientists?

How to evaluate?



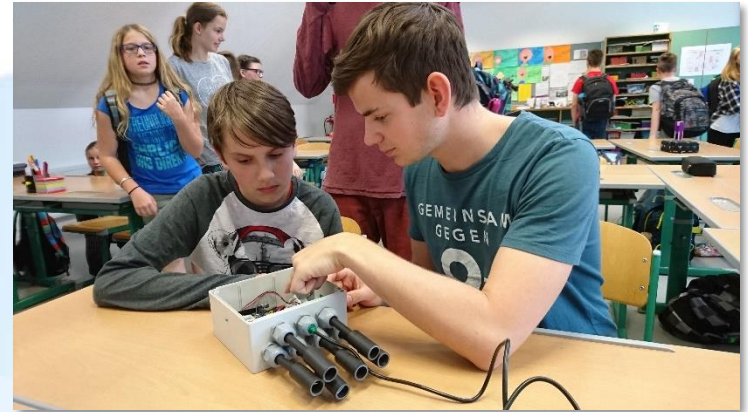
First insights 1/3

- Air Quality Data for Citizens need to be
 - Comprehensible/standardized
 - Visualized
 - Scientifically validated
- Air Quality Data for Scientists need to be
 - Standardized
 - Documented (e.g. metadata)
 - Easily accessible



First insights 2/3

- Communication
 - establish trust
 - Information on effects
 - Call for action (what can I do) & suggestion for concrete solutions
 - Continuous bi-directional communication with stakeholders
 - Educational programme



First insights 3/3

- Motivation
 - Embedding in a community of interested others
 - Local and customized insights on air quality data
 - Definition of roles
 - Appreciation

