



- 2. Who, why and how?
- 3. Examples of citizen science
- 4. Q&A













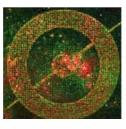


ZOØNIVERSE







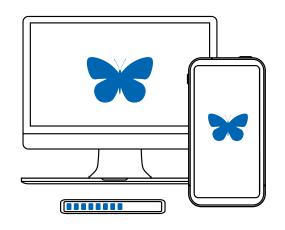














Waarnemingen.be





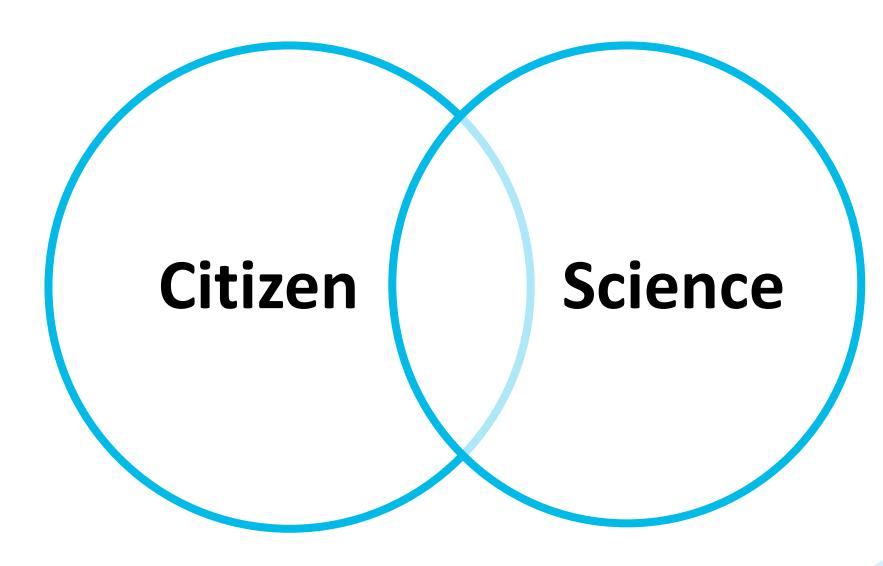
Air quality Mobility Biodiversity Water quality Noise pollution Archaeology Astronomy History Health Arts Sociology Wellbeing Bio engineering

Sensors Measurements Counting **Observations Photography** Analysis Annotation Transcription Interpretation Story telling Interviewing Communication Research question Method design



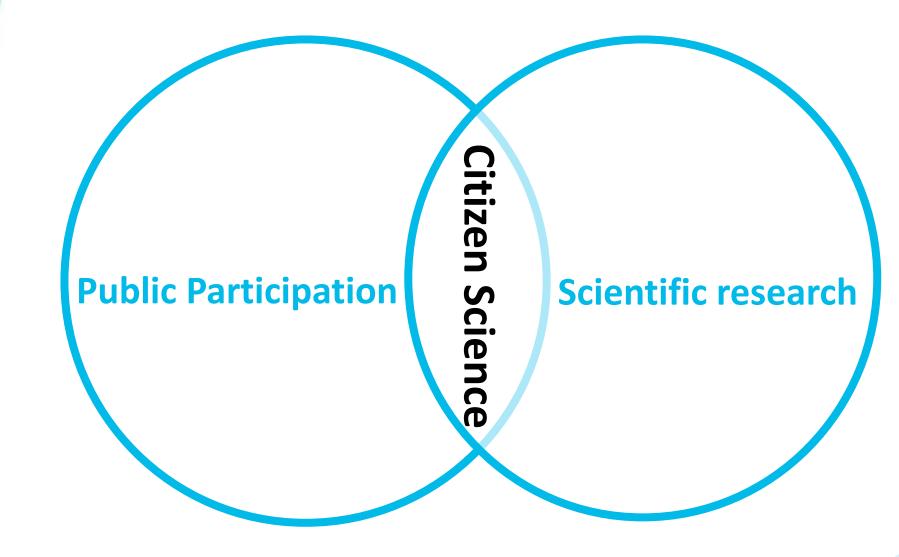


What?





What?





What is Citizen Science?

Citizen Science is scientific research conducted, in whole or in part, by nonprofessional scientists (citizens). Citizen science is often (but not always) conducted in collaboration with professional scientists.

Citizens conducting scientific actions











Government

Educators



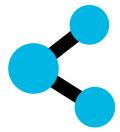
Citizens



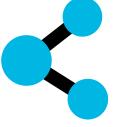








Companies







Diverse perspectives

Who?





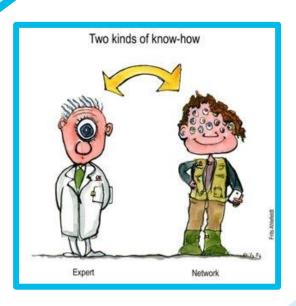
Why?



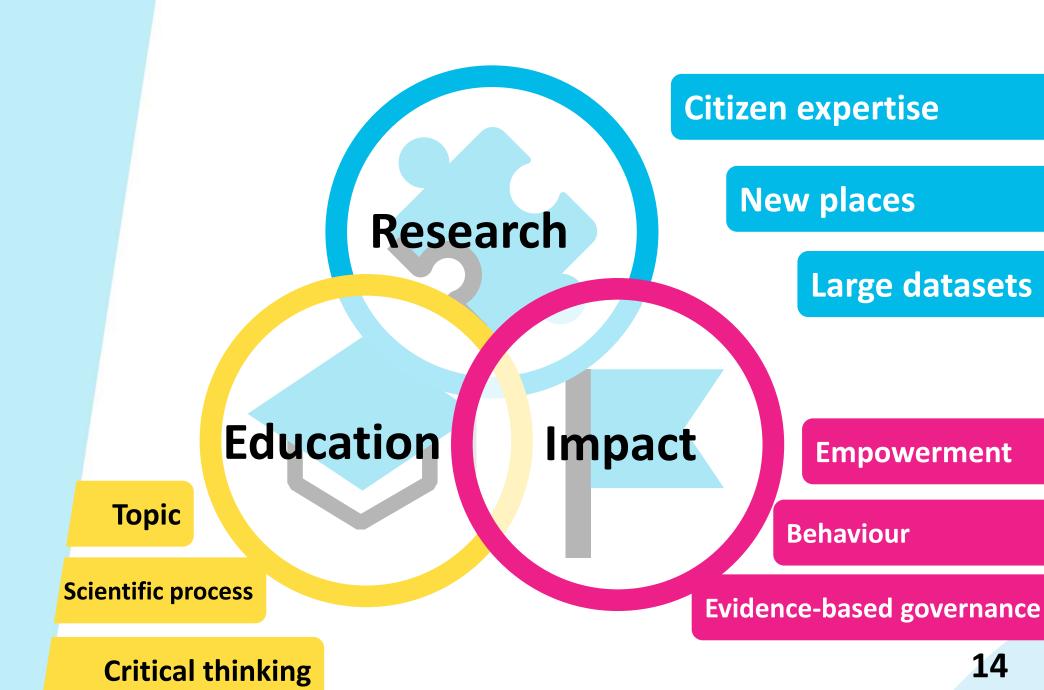


New places

Large datasets







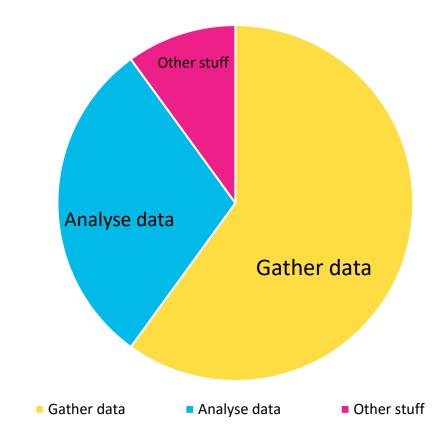
Why?



What do citizen scientists do?

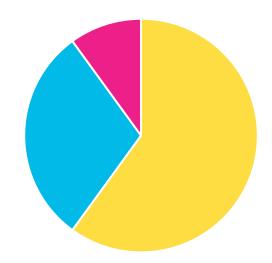
(chart by no means based on empirical data)

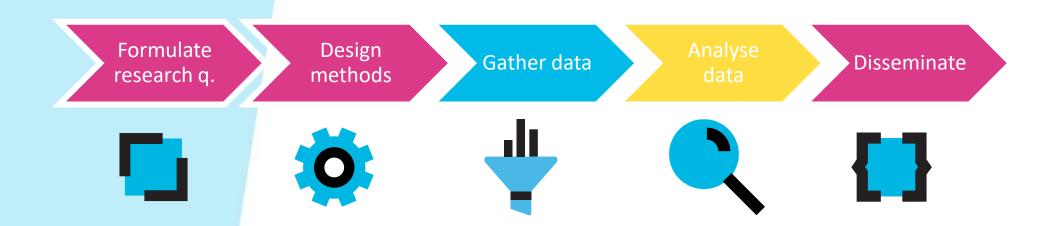
How?



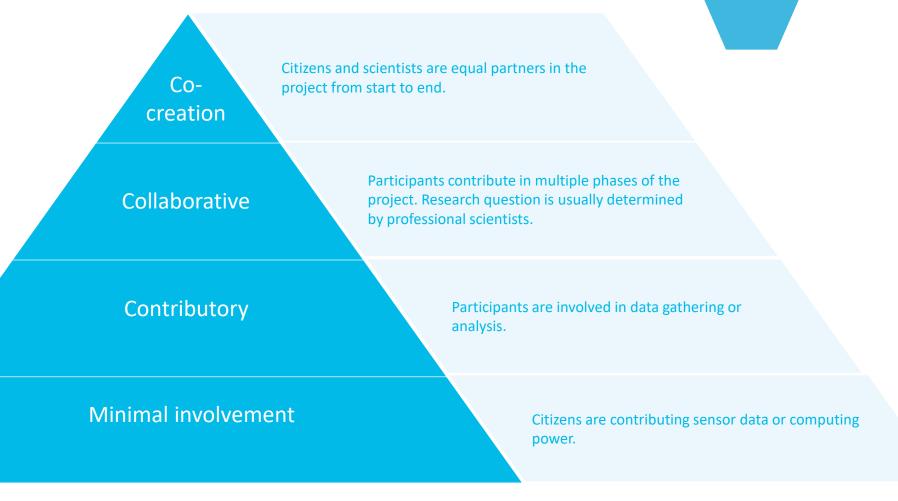


How?





Participation pyramid







Participation slider

Many citizen scientists Crowdsourcing Few citizen scientists
Cocreation

Examples of citizen science



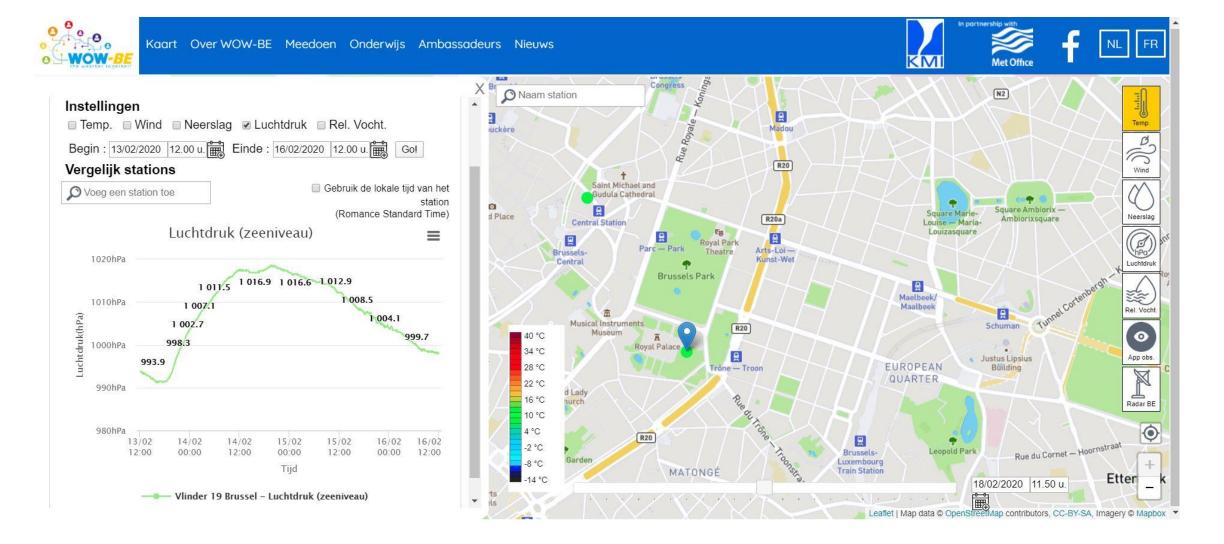


Weather observations, Frankfurt, 1828 (5 to 11 January). Kaspar, F. (2013)

Oil victims along the Belgian coast, starting from the 1950's (foto Jan Seys – vliz.be)









Large data sets







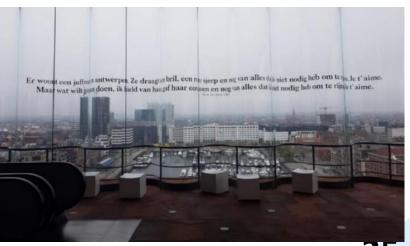




Isala.be – 6000 vaginal swabs crowdsourced and analysed



Waarnemingen.be – Natuurpunt: 60 million observations (2023)





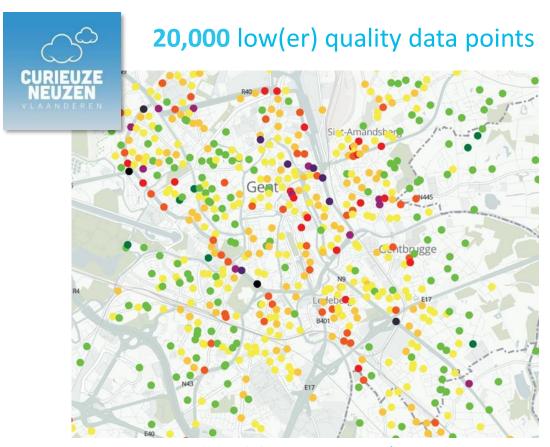


Increasing measuring density

56 High Quality data points



NO2 – annual average 2019 (ppmv) ©VMM



NO2 – May 2018 (ppmv) ©CurieuzeNeuzen/DeStandaard





Allowing research in new/private locations





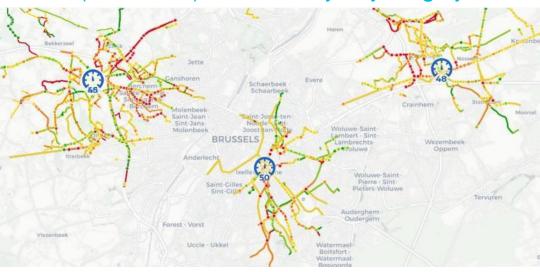


Citizen perspectives



VLinDER finding and setting up sensor locations with schools

Fietsbarometer (Bike barometer) (Perceived) traffic safety of young cyclists



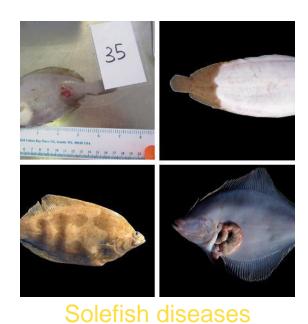
Age-friendly
Neighbourhoods
(Manchester, 2016)
Elderly Mancunians as
local livability experts
and interviewers







Vores historie
(Denmark, 2022)
Interviewing family
members about lived
history



(BE, 2018)
Fishermen search for skin diseases in their catch

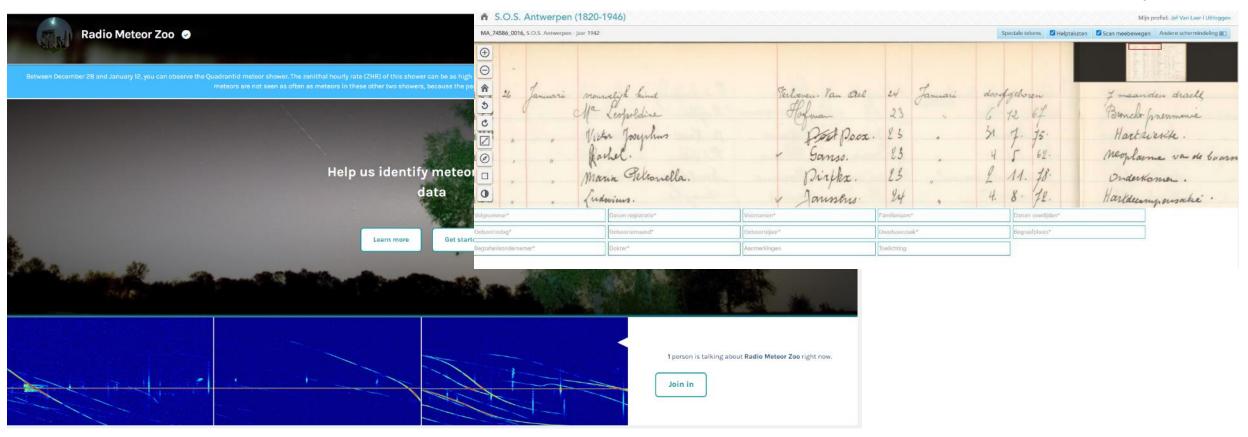


Seawatch-B
(BE, 2015 - now)
Citizens as researchers and ambassadors of 'their' beach

Burgerexpertise

Transcribe or annotate data

Historical documents: SOSAntwerpen.be





Training AI with Astronomical data: Zooniverse – Radio Meteor Zoo

Gamification:

playing, competition and community





CS in big budget video games









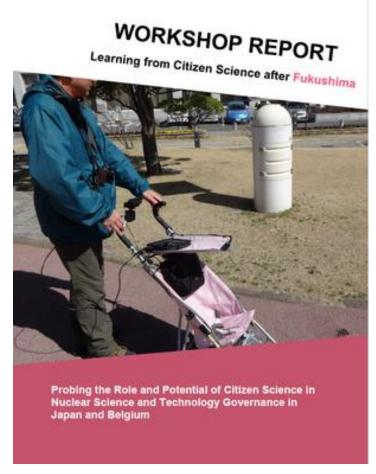
Citizen science and education



Addressing societal concerns







Joke Kenens, 2022. https://doi.org/10.5334/cstp.402



Questions?



Come talk to us!





AnneliesCoordinator



SanneCommunication
advisor



CharlotteCitizen science advisor



JefCitizen science
advisor



Karen Amai! Project coordinator



SvenAmai!
Communication
advisor



Isaak Amai! Educational advisor





