

ROSKILDE UNIVERSITY

RE:ERUA

OPEN SCIENCE MEET-UP

JULY 2022



WHERE ARE WE LOCATED



RUC, Just outside
Roskilde, 30 km from
Copenhagen, Denmark

Copenhagen



ABOUT US

- Founded in 1972 (50 years this year 😊)
- 7,800 students and 950 employees (FTE)
- 779 million DKK in annual turnover
- PPL – Problem-oriented Project-based Learning
- Interdisciplinary approach

Read more at <https://ruc.dk/en>

Strategy

RUC 2030: Interconnected

→ Cutting-edge interdisciplinary research

- We conduct cutting-edge research at the highest international level, and our aim is to develop a distinct interdisciplinary profile based on the social sciences and humanities combined with key contributions from natural, technical and health science.
- Our research is excellent, challenge-driven, and contributes to sustainable development in close interaction with the surrounding community: locally, nationally, and internationally.
- The societal impact of our research always builds on fundamental principles of freedom of research, research integrity and open science.
- We aim to be an international hub for critical interdisciplinary research.
- Our aim is to offer coherent time for research, well-functioning research organisation and robust administrative research support.

→ Environmental, economic and social sustainability

- We strive to be a pioneering university for sustainable institutional and campus operations: economic, social and environmental considerations are always part of the university's long-term priorities.
- Our campus is a vibrant research, study and work environment where students, employees, alumni and external partners thrive and can combine their academic strengths and interests.
- We are dedicated to equality and diversity, in recruitment and retention of both staff and students, and in interaction and cooperation.

→ Problem-oriented and problem-led programs

- Our programs provide students with broad interdisciplinary knowledge and methodological competencies within our main academic areas, with particular focus on digital, ethical and democratic citizenship.
- Our aim is that all programs stimulate intense interdisciplinary engagement; students and researchers work together to put the research and its methods into play.
- Our aim is to attract committed Danish and international students, motivated by developing a sustainable future. All supervisors master and develop RUC's pedagogical model, Problem-oriented Project Learning (PPL), so that students can apply this approach in their studies and professional academic work.
- Our aim is to offer continuing and further education in collaboration with labour market partners.

→ Co-creators of societal change

- Our researchers and research communities contribute to address current and future societal challenges. They develop the role of universities in society through research dissemination, open innovation and citizen science.
- Our graduates are academically sound agents of change and competent project managers who are capable of applying their knowledge and competences in their jobs, and as entrepreneurs and opinion leaders
- Our community of faculty and staff foster collaboration in research and education, international alliances and in local and regional partnerships.

Mission

Roskilde University moves society forward through cutting-edge interdisciplinary research, teaching and learning.

Vision

Roskilde University will be a European front-runner in interdisciplinary knowledge creation that is locally embedded and globally connected, and will be known for its contribution to research-based sustainable change.

OPEN SCIENCE

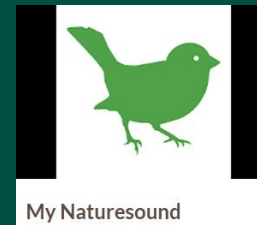
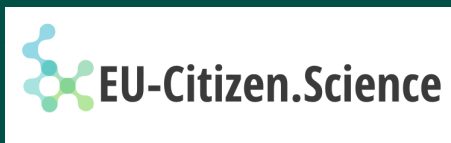
RUC focus areas:

- **Citizen Science**
- Responsible Metrics
- FAIR Data
- Open Access

CITIZEN SCIENCE - EU

Citizen Science

“Citizen science is any activity that involves the public in scientific research and thus has the potential to bring together science, policy makers, and society as a whole in an impactful way. Through citizen science, **all people can participate** in many stages of the scientific process, from the **design of the research question**, to **data collection** and volunteer mapping, **data interpretation and analysis**, and to **publication and dissemination of results**. Citizen science is also an **approach of scientific work** that may be used as a part of a broader scientific activity.”



CITIZEN SCIENCE

- Science and research
- Researcher-driven and citizen-driven
- Disciplinary differences
- Roles and responsibilities
- Data ownership and use
- Data quality

Source: ECSA (European Citizen Science Association) (2020): ECSA's Characteristics of Citizen Science. DOI: [10.5281/zenodo.3758668](https://doi.org/10.5281/zenodo.3758668)

CITIZEN SCIENCE - RUC

RUC Citizen Science (broad definition)

“Citizens contributing with **knowledge and/or labour** as well as other methods of involvement, incl. **participatory research** and **collaborative research** and **action research**”

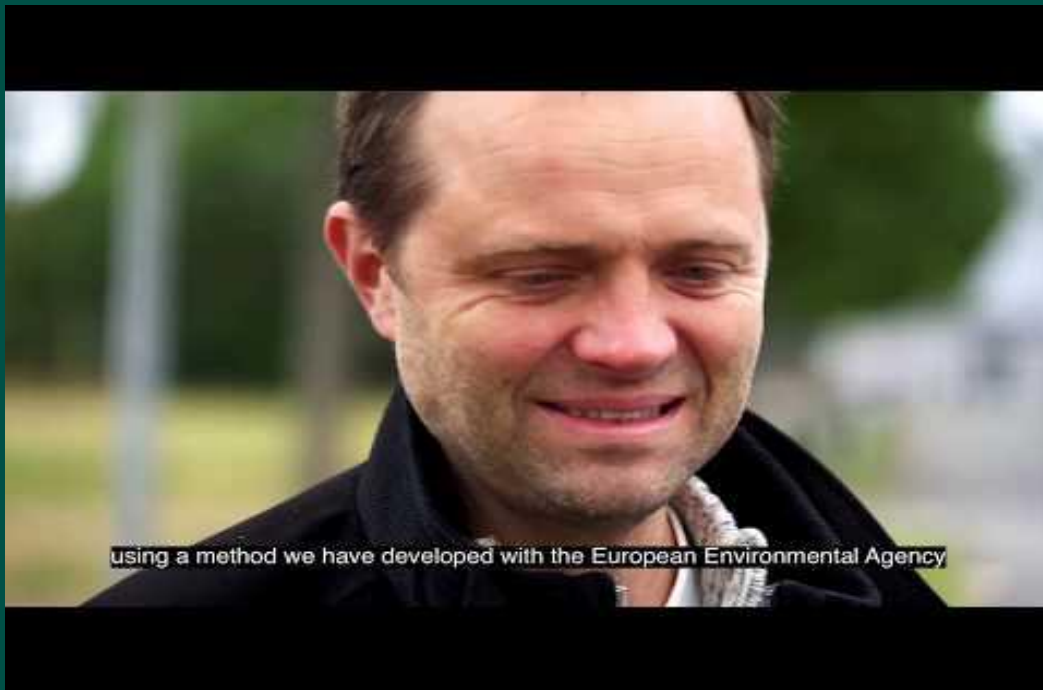


RESEARCH PROJECTS AT RUC

- Citizen Science
- Co-creation
- Action research
- Participatory research
- Public engagement
- ...

THE MASS EXPERIMENT

– an example of Citizen Science at RUC



www.nature.com/scientificreports

scientific reports

OPEN **A nationwide assessment of plastic pollution in the Danish realm using citizen science**

Kristian Syberg¹, Annette Palmqvist¹, Farhan R. Khan¹, Jakob Strand², Jes Vollertsen³, Lauge Peter Westergaard Clausen⁴, Louise Feld², Nanna B. Hartmann⁵, Nikoline Oturai¹, Søren Møller¹, Torkel Gissel Nielsen⁵, Yvonne Shashoua⁶ & Steffen Foss Hansen⁴

zenodo

June 9, 2020

data for Mass Experiment

Syberg, Kristian

Data from the Mass Experiment. Data are limited to raw data without GPS coordinates in order to ensure that all participants stay anonymous in accordance with GDPR regulation.

Please contact Kristian Syberg at ksyberg@ruc.dk for any questions.

Data can be used as long as they are properly cited in accordance with: <https://creativecommons.org/licenses/by-nc-nd/4.0/>

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Indexed in **OpenAIRE**

Publication date: June 9, 2020
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Keyword(s): plastic pollution
License (for files): Creative Commons Attribution 4.0 International

Files (414.5 kB)

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Contact Kristian Syberg at ksyberg@ruc.dk for more information

Sources: <https://youtu.be/uPIhOdDjaJw> - <https://ruc.dk/en/news/researcher-gets-57000-research-assistants> - DOI: 10.1038/s41598-020-74768-5 - DOI: 10.5281/zenodo.3886974

Questions?