Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

Citizen Science at Universities:

Trends, guidelines and recommendations

LIBER WORKING GROUP SEMINAR ON CITIZEN SCIENCE

THE CITIZEN SCIENCE WORKING GROUP

Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

Chair: Dr. Paul Ayris, UCL Libraries

PLEASE JOIN US

Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

The LIBER Roadmap to Open Science makes a set of four strong recommendations to European research libraries, recommendations which remains guidelines for our working group. we act in six strategic directions:

- Projects
- Staff development
- Partnerships and participation
- Building Citizen Science Infrastructure at Libraries
- Advocacy and policy
- Creating a Librarian's Guide to Citizen Science

To join: Please write Mitja V. Iskrić, mitja.vovk-iskric@ctk.uni-lj.si

TODAY'S PROGRAMME

Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

15.00-16.30 CET

- *Current trends within Citizen Science at universities – the practitioner's viewpoint.* Anne Kathrine Overgaard and Thomas Kaarsted.

- *A template for a Citizen Science Single Contact Point which your institution could start developing e.g. guidelines.* Tiberius Ignat.

- *A snapshot of the forthcoming Research Librarian's Guide to Citizen Science and what possible roles could research libraries adopt for moving forward in support of citizen science activities.* Simon Worthington.

- Q&A

PLEASE NOTE: THIS WEBINAR IS RECORDED AND PUBLISHED ONLINE!

Current Trends Within Citizen Science at Universities: The Practitioner's Viewpoint

- *Anne Kathrine Overgaard, Head of External Projects, Faculty of Health Science*
- *Thomas Kaarsted, Deputy Library Director*

We both work at the University of Southern Denmark. Since 2017 we have run our university's Citizen Science Network.

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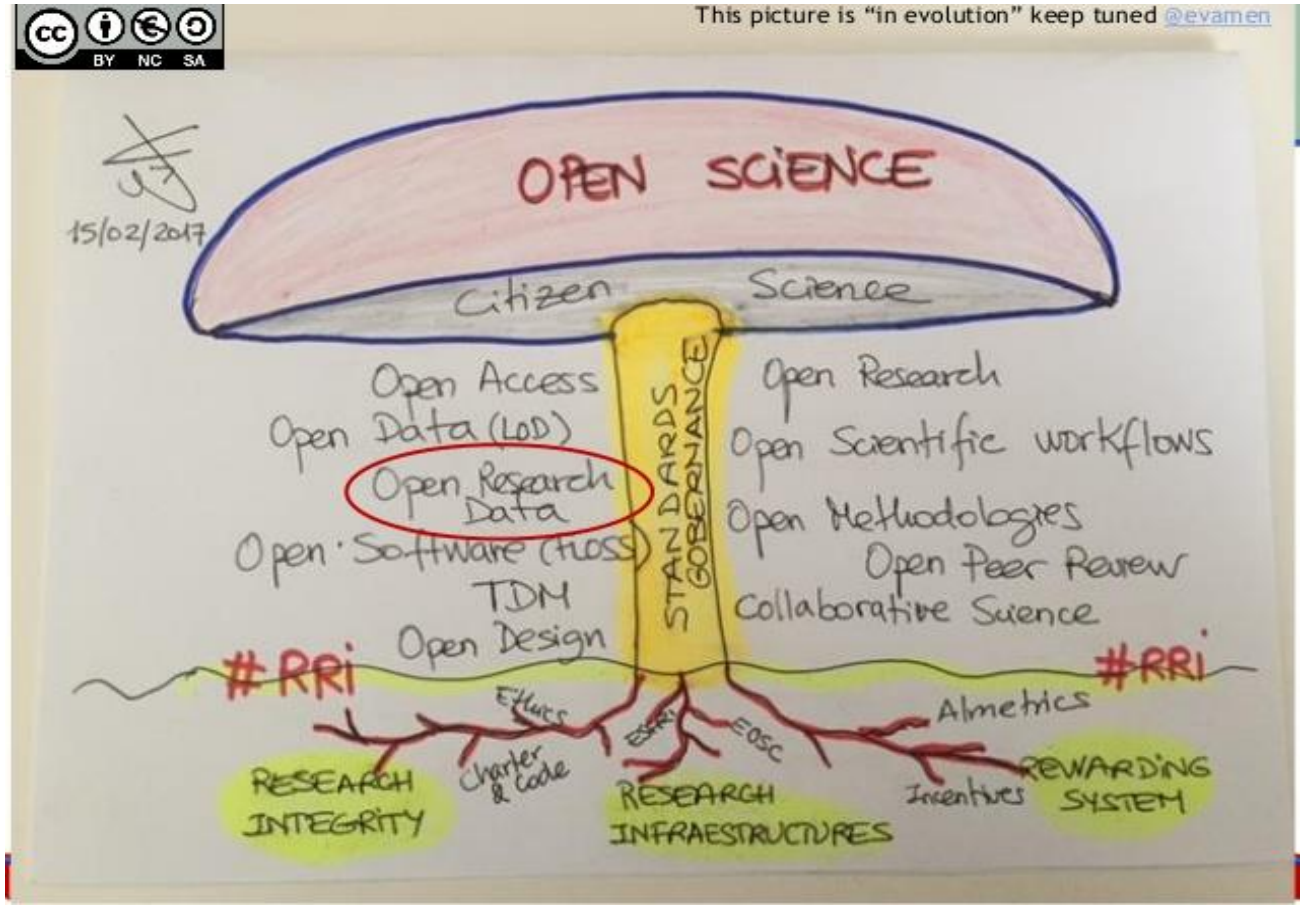
THE NEXT APP. 15 MIN…

- What is Citizen Science?
- The SDU Approach
- Other approaches
- Cases from SDU
- Two trends
- What can libraries do?

SDU

WHAT IS CITIZEN SCIENCE?

"Citizen Science refers to the general public engagement in scientific research activities when citizens actively contribute to science either with their intellectual effort or surrounding knowledge or with their tools and resources."



Hvad er Citizen Science?

- **Citizen Science**
  - **Inclusion**
    - Activities the public can participate in
  - **Contribution**
    - Contribution for science and scientists
    - Contribution for the public
  - **Reciprocality**
    - Dissemination of scientific information to the public
    - Listening to citizens' opinions and needs

KOMMUNIKATION – PARTNERSKABER – TVÆRVIDENSKABELIGE FORSKNINGSPROJEKTER

(Kilde: Golumbic et al. 2017)

SDU

ExCiteS | Extreme Citizen Science

UCL

Participation in citizen science

Level 4 'Extreme'	• Collaborative science – problem definition, data collection and analysis
Level 3 'Participatory science'	• Participation in problem definition and data collection
Level 2 'Distributed intelligence'	• Citizens as basic interpreters
Level 1 'Crowdsourcing'	• Citizens as sensors

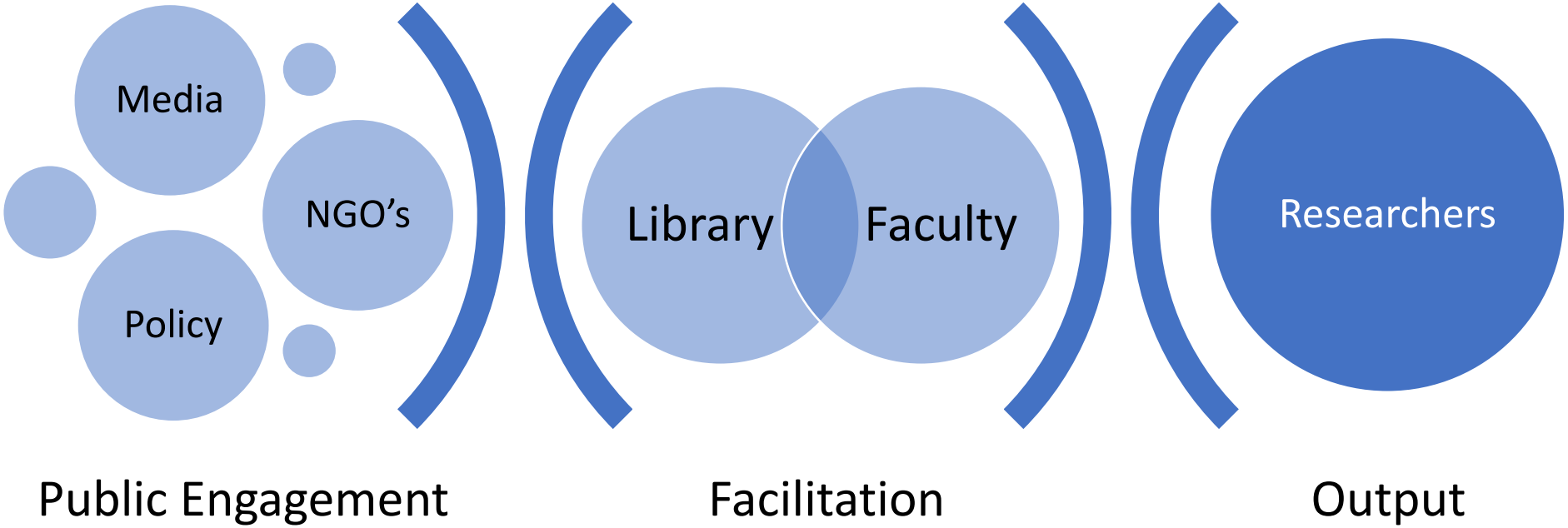
Haklay. 2013. Citizen Science and volunteered geographic information: Overview and typology of participation, *Crowdsourcing Geographic Knowledge*

In Denmark, Citizen Science is often used for data collection and mapping of nature areas, but at SDU we see Citizen Science as more than that.

Citizen Science is about generating interaction and dialogue between citizens and researchers, thereby reducing the distance between them in order to encourage a debate based on knowledge and facts.

The Power of Many. The Citizen Science Network is a partnership between the faculties at SDU, Odense University Hospital, University Library of Southern Denmark and SDU RIO.

A NETWORK OF PARTNERS



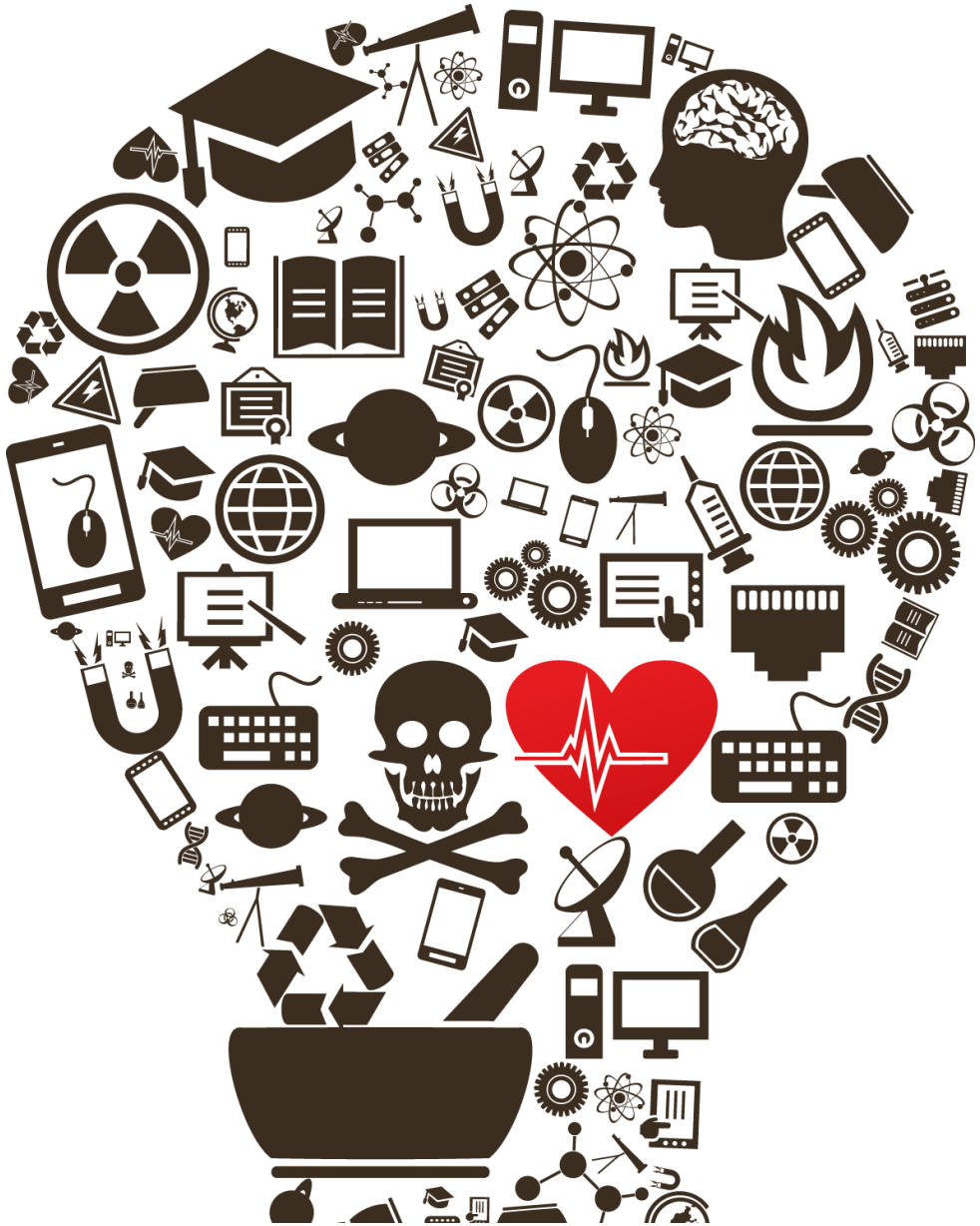
SDU committed in 2019 on the UN SDG's

- **We want to help the world community create value by working together towards the UN Global Goals for Sustainable Development**
- **We will develop skills and capabilities that encourage unique, innovative solutions for the benefit of a sustainable world**
- **And we will contribute to moulding a sustainable future by breaking down boundaries and removing limitations**

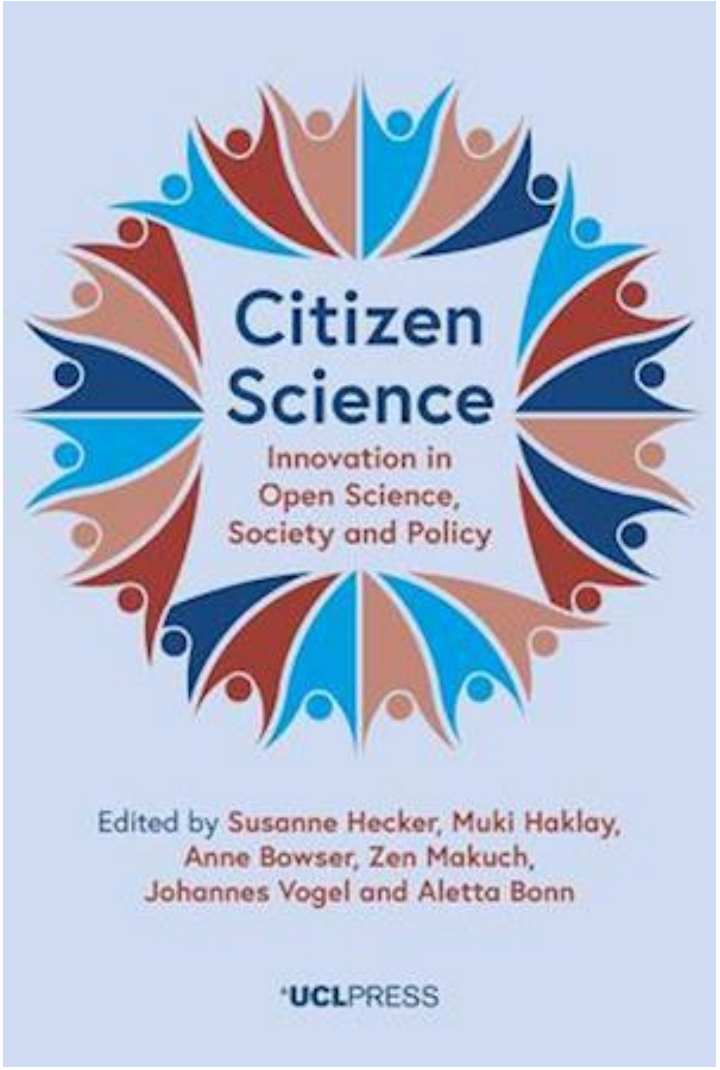
SDU

SDU runs several SDU's Challenges

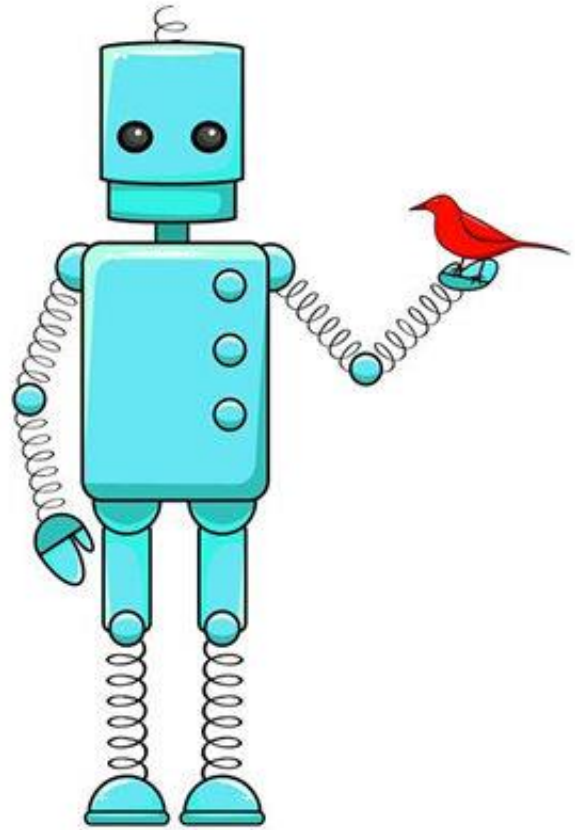
E.g. on Active Living, Sustainable Transport Going Green, etc. Several have potential links to Citizen Science.



OTHER APPROACHES



Enabling
RESEARCHERS and CITIZENS
to create and conduct
RESEARCH COLLABORATIONS
that produce
SOUND SCIENCE
while
SUPPORTING THE UN SDGs
SAMSUNG



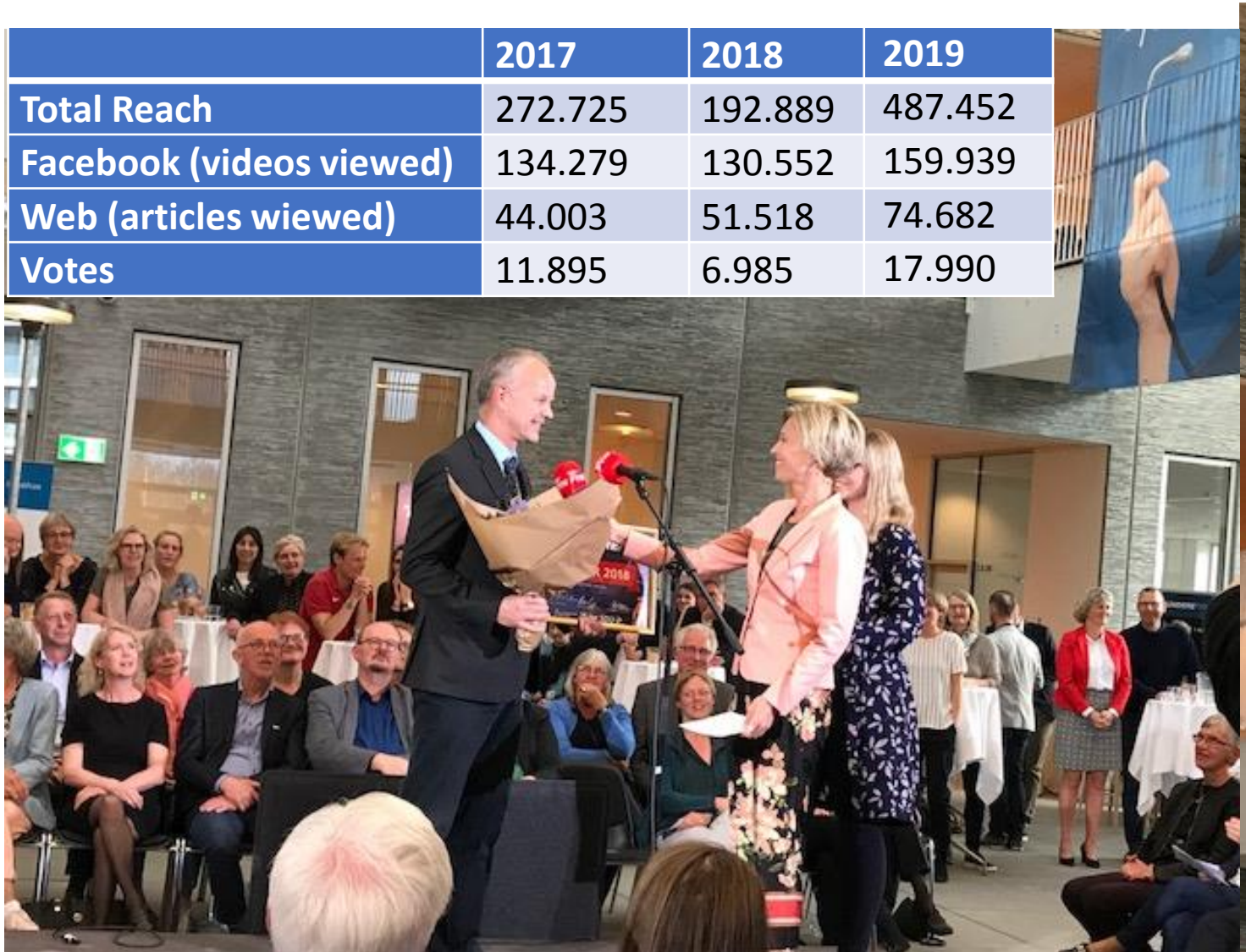
scistarter

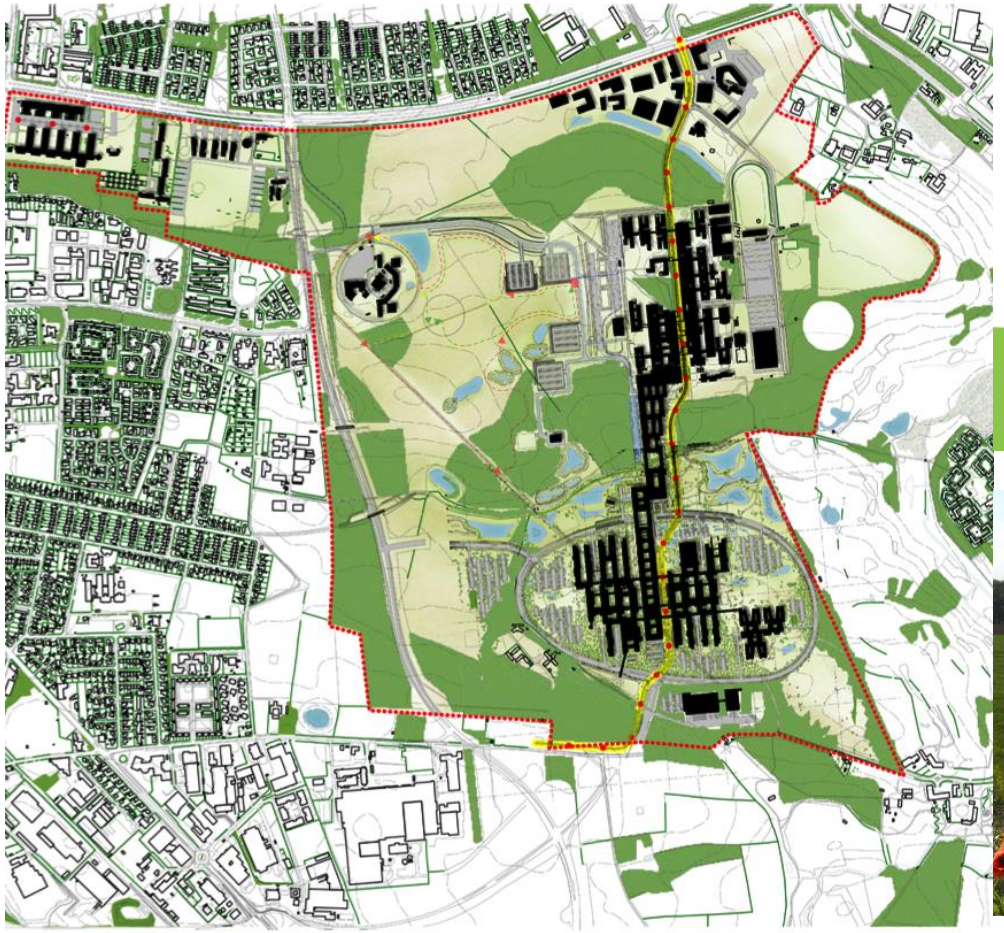
People-powered science.

A FEW SDU CASES…

A HEALTHIER SOUTHERN DENMARK

	2017	2018	2019
Total Reach	272.725	192.889	487.452
Facebook (videos viewed)	134.279	130.552	159.939
Web (articles wiewed)	44.003	51.518	74.682
Votes	11.895	6.985	17.990





ACTIVE LIVING AREA & FESTIVAL

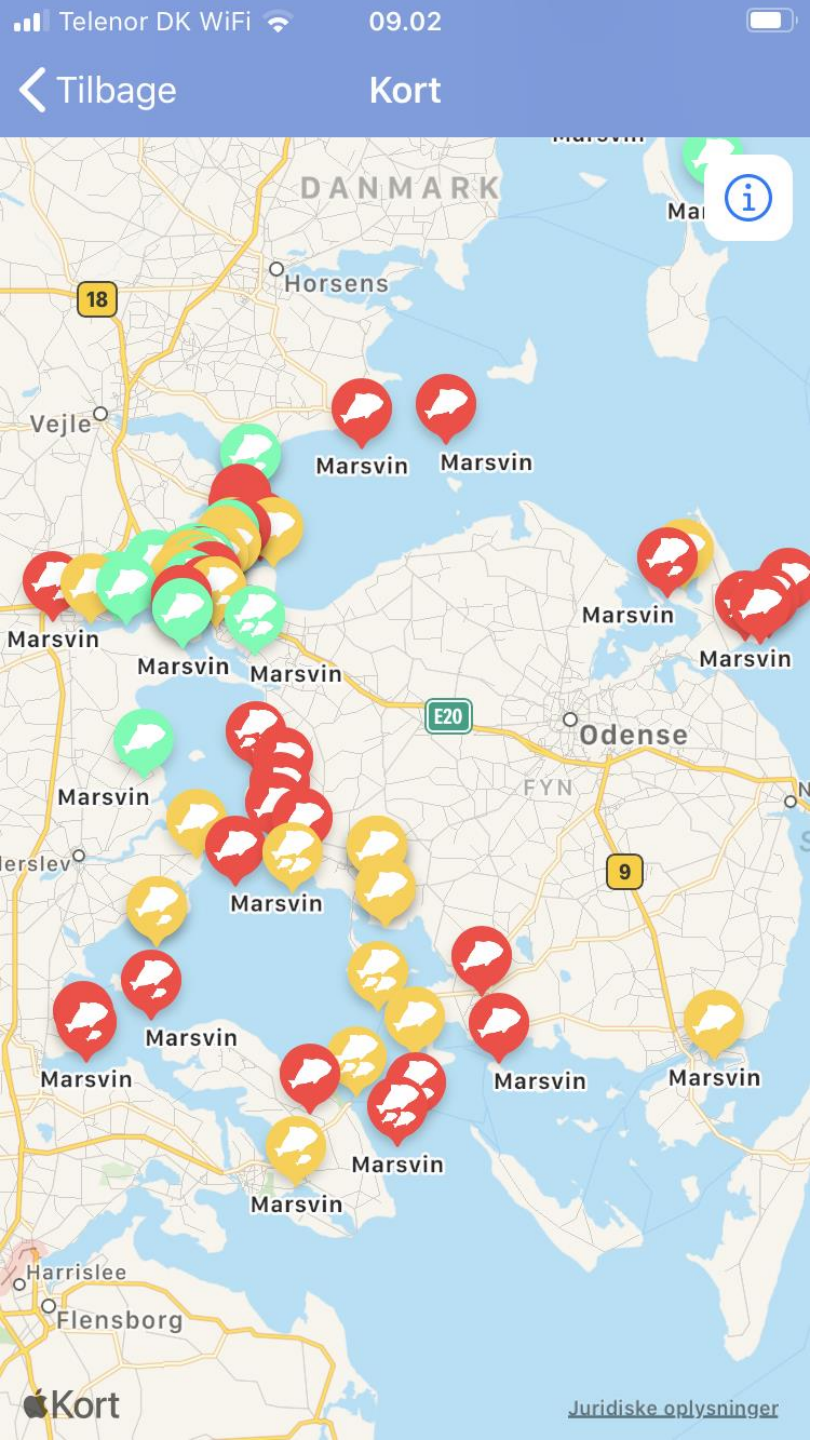
Campus Odense Active Living

Aim: To include the city of Odense in an outdoor living lab on 80 HA land around the university.

Mediapartner: Fyens Stiftstidende

Collaborative proces.

More than 1.000 input from citizens, employees, students and civil society.



MARINE TRACKER

Since 2019

+5.000 sightings

+2.500 participants

Data on motivation:

Environment

Interest in marine life

Local community

Anne Kathrine Overgaard & Thomas Kaarsted

BRING YOUR OWN DEVICE

A Citizen Science partnership within EOL and the recycling of electronic waste

A university, a media outlet, 4 municipalities, 11 private sector partners, repair cafés

Unique research data: incl. 17 containers full

Dissminisation of scientific information to the public

A reach of +150.000 across platforms

The Power of Many: Know your partners!

TWO TRENDS

Partnerships between reserachers and schools building on science and public engagement

The upcoming Horizon Europe opens this Fall including RRI and CS grounding in society

THE ROLE OF THE LIBRARY – TAKE YOUR PICK?

PARTNERSHIPS: INTERNAL AND EXTERNAL PARTNERS
HOME OF ”SINGLE POINT OF CONTACT”
RESEARCH SUPPORT
PUBLIC ENGAGEMENT
SCIENTIFIC LITERACY
SCIENCE COMMUNICATION
PROJECT MANAGEMENT
ADCOCACY
FAIR DATA
DISSIMINATION OF SCIENTIFIC INFORMATION TO THE PUBLIC
FUNDING

THANK YOU, LIBER!

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