

SESSION

Citizen Science Supporting Sustainable Development Goals: The possible role of libraries

June 23, 2020 | 10:00–12:00 CEST



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Session Ground Rules

- **Questions for the speakers ?** Type them in the **Attendee Chat** on the left side of the screen. The chair will address these at the end of the session.
- **Technical issues.** Check your **settings** under the icon with the three dots, as well as your **internet connection**. No luck? Try to rejoin by closing your tab and reusing the link provided.

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SESSION

Citizen Science Supporting Sustainable Development Goals: The possible role of libraries

AGENDA

This workshop examines the role libraries could play in the future. It aims for participants to get applicable takeaways by addressing:

- Strategy
- Services
- Single Point of Contact
- SDG's - ideas how to
- Evaluation

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Joint Webinar EBLIDA – LIBER

*Citizen Science library
projects within the European
2030 Agenda and ways of
funding them*

**23 June 2020
09:00**



Welcome and introductions



Thomas Kaarsted
University Library of Southern Denmark (SDU)



Giuseppe Vitiello
EBLIDA



Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries



EBLIDA European Bureau of Library, Information
and Documentation Associations

General introductions

Implementing Sustainable Development Goals in European Libraries



Giuseppe Vitiello
EBLIDA



Ligue des Bibliothèques Européennes de Recherche
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Video (1)

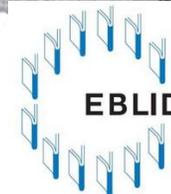
WHERE DOES THE UN SDG PROGRAMME FIND ITS ROOTS AND WHY IS IT SO IMPORTANT FOR WORLD GROWTH AND DEVELOPMENT?

Ambassador Stefano Stefanile

Deputy Permanent Representative of Italy to the United Nations in New York



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Video (2)

**WHAT WOULD YOU ANSWER TO THOSE PEOPLE
WHO THINK THAT THE UN SDG PROGRAMME
IS FOR STATES AND GOVERNMENTS,
AND NOT FOR INDIVIDUALS?
WHAT COULD A SMALL AGENCY LIKE EBLIDA DO
TO PROMOTE SDG TARGETS?**

Ambassador Stefano Stefanile

Deputy Permanent Representative of Italy to the United Nations in New York



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LIBER: open science roadmap

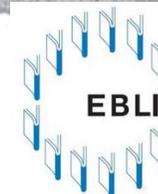


LIBER Citizen Science Working Group The Third Mission and Citizen Science

Dr Tiberius Ignat
Scientific Knowledge Services



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DUBLIN 2019, LIBER ANNUAL CONFERENCE CITIZEN SCIENCE WORKSHOP



DUBLIN 2019, LIBER ANNUAL CONFERENCE CITIZEN SCIENCE WORKSHOP



2019, LIBER Annual Conference

Citizen Science:

Preferred Action Areas for LIBER Libraries

2019, LIBER Annual Conference

Citizen Science:

Preferred Action Areas for LIBER Libraries

**Science-
Public Bridge**

2019, LIBER Annual Conference

Citizen Science:

Preferred Action Areas for LIBER Libraries

Science-Public
Bridge

Infrastructure

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Citizen Science:

Preferred Action Areas for LIBER Libraries

**Science-Public
Bridge**

Infrastructure

**Training &
Skills**

2019, LIBER Annual Conference

Citizen Science:

Preferred Action Areas for LIBER Libraries

**Science-Public
Bridge**

Infrastructure

**Training &
Skills**

Advocacy

GOALS

SMART

Initiate and/or participate in 1 research project by October 2021

✓✓✓✓✓

Staff the WG until LIBER Conference 2020

✓✓✓✓✓

Sign 2 partnerships with outside organisations by October 2021

✓✓✓✓✓

Deliver by June 2020 a template (or a suite of templates) with accompanying advocacy for “Single CS Contact Point” that could be implemented in research libraries

✓✓✓✓✓

Organise and deliver a webinar by July 2020

✓✓✓✓✓

Librarian’s Guide to Citizen Science (model SciStarter/CSA) July 2020

✓✓✓✓✓

LIBER Citizen Science WG

Strategic Directions

1. PROJECTS
2. TEAM
3. PARTNERSHIPS
4. INFRASTRUCTURES
5. ADVOCACY AND POLICY
6. RESEARCH LIBRARIANS' GUIDE TO CITIZEN SCIENCE

LIBER CS WG's Definition of Success: (evaluation)

LIBER CS WG's Definition of Success: (evaluation)

**We reach our goals
working 2 hours/week**

WHY DO WE BOTHER?

WHY DO WE BOTHER?

“higher education is facing unprecedented challenges in the definition of its purpose, role, organization, and scope in society and the economy”

- EC and OECD

THIRD MISSION

The contribution of the
university to the local
regional development.

Citizen Science

Public engagement in research

Active contribution

Citizen Science

Public engagement in research

Active contribution

- **Intellectual effort**
- **Knowledge and wisdom**
- **Tools and resources**

Citizen Science

- **Enhance Scientific Research**
- **Address Societal Needs**
- **Education and networking**

Citizen Science

- **Enhance Scientific Research**

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Citizen Science

- **Enhance Scientific Research**
- **Address Societal Needs**
- **Education and networking**

338 citizen science biodiversity projects (1930-2012)
Estimated in-kind contributions
(1.3-2.3 million citizen science volunteers) up to

338 citizen science biodiversity projects (1930-2012)

Estimated in-kind contributions

(1.3-2.3 million citizen science volunteers) up to

\$2.5 billion per year

Citizen Science and The Third Mission

Citizen Science and The Third Mission

Not always good bedfellows

Citizen Science and The Third Mission

To team up, Society and Universities:

- **researchers and the public should learn from each other**
- **create autonomy for science**
- **Address societal needs**
- **Keep misinformation at bay**
- **understand blue skies research**
- **enhance public-private research under liberal licenses**

The proof of pudding
is in the eating



Citizen Science to accelerate discovery, innovation and invention.

The proof of pudding
is in the eating

The proof of pudding
is in the eating



Citizen Science to accelerate discovery, innovation and invention.



Citizen Science to support Autonomy of Science, increase the Technology Readiness Level and the Manufacturing Readiness Level.

The proof of pudding
is in the eating



Citizen Science to accelerate discovery, innovation and invention.



Citizen Science to support Autonomy of Science, increase the Technology Readiness Level and the Manufacturing Readiness Level.



Citizen Science to increase the scientific literacy of people.



Tiberius Ignat
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Three cases: Citizen Science and the UN SDG's



Active Living Bring Your Own Device Climate Lakes

*In the context of the EBLIDA matrix for the SDG's.
Presented in a discussion with Giuseppe Vitiello.*

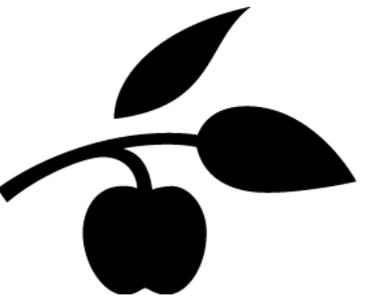
Anne Kathrine Overgaard & Thomas Kaarsted
The Citizen Science Network at SDU

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

SUSTAINABLE DEVELOPMENT GOALS



SDU 



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



Perspective | Published: 09 October 2019

Citizen science and the United Nations Sustainable Development Goals

Steffen Fritz , Linda See, [...] Sarah West

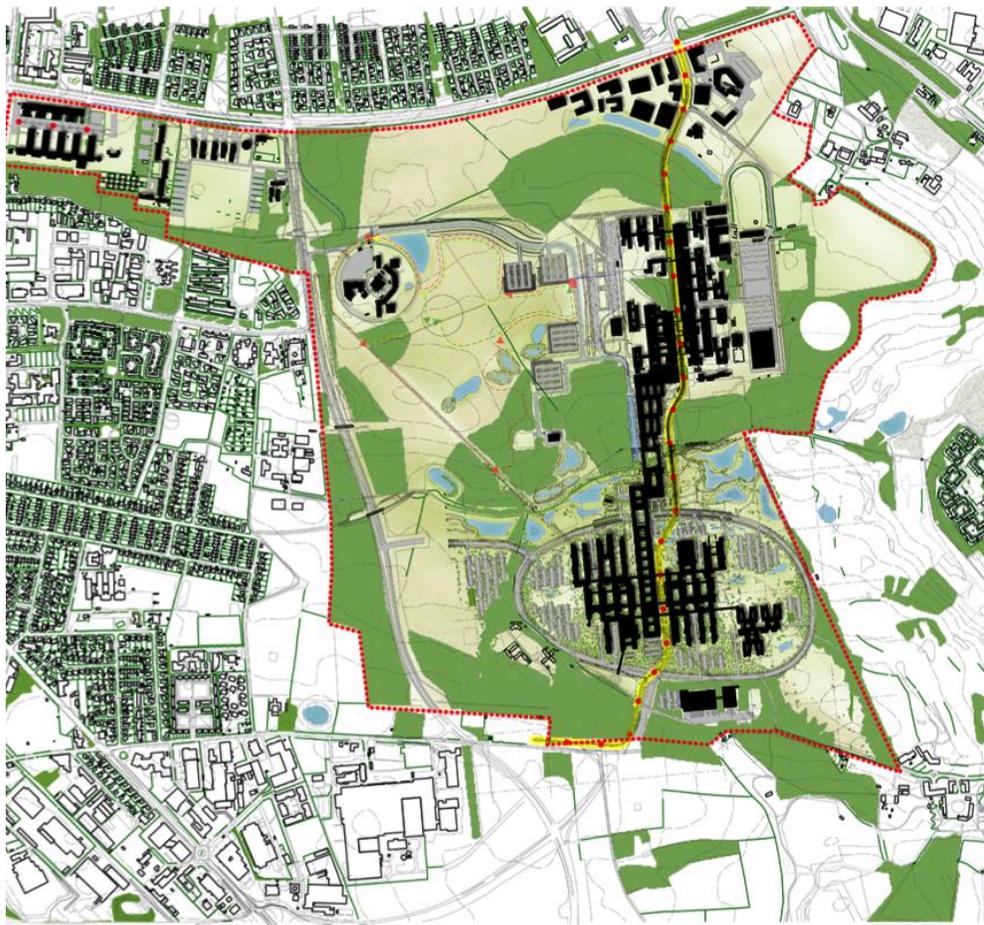
Nature Sustainability **2**, 922–930 (2019) | [Cite this article](#)

5525 Accesses | **1** Citations | **290** Altmetric | [Metrics](#)



CASE NO. 1:
ACTIVE LIVING





ACTIVE LIVING AREA & FESTIVAL



 Erhvervsakademiet og Professionshøjskolen
 SYDDANSKE FORSKERPARKER
 SDU
 ODENSE KOMMUNE
 Region Syddanmark
 FREJA EJENDOMME



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.



COLLABORATIVE PROCESS

Including a long process through the media partner

- Workshops, town hall meetings, festivals, surveys and curriculum teaching in a cooperation with the neighbouring University College Lillebælt.
- Process: 18 month
- Landscape architect, Ph.D.
- NEXT STEP: FUNDING



-
- Part of SDU institutional SDG-challenge
 - SDG3: good health and wellbeing
 - SDG11: Make cities and human settlements inclusive
 - Link to EBLIDA-matrix: Horizon 2020/SWAFS



CASE NO. 2:
**BRING YOUR
OWN DEVICE**



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 of e-waste
- Dissemination of scientific information to the public
- A reach of +150.000 across platforms
- The Power of Many: Know your partners!



BRING YOUR OWN DEVICE

VIDEO

- <https://www.tv2fyn.dk/frit-lejde-elskrot/se-mini-dokumentar-om-elskrot-sadan-satte-sdu-professor-alt-pa-et-braet>



SDG 12: Ensure sustainable consumption and production patterns)

Link to EBLIDA-matrix: Eurostat-indicators



CASE NO. 3:
CLIMATE LAKES
AND CITIZEN
SCIENCE





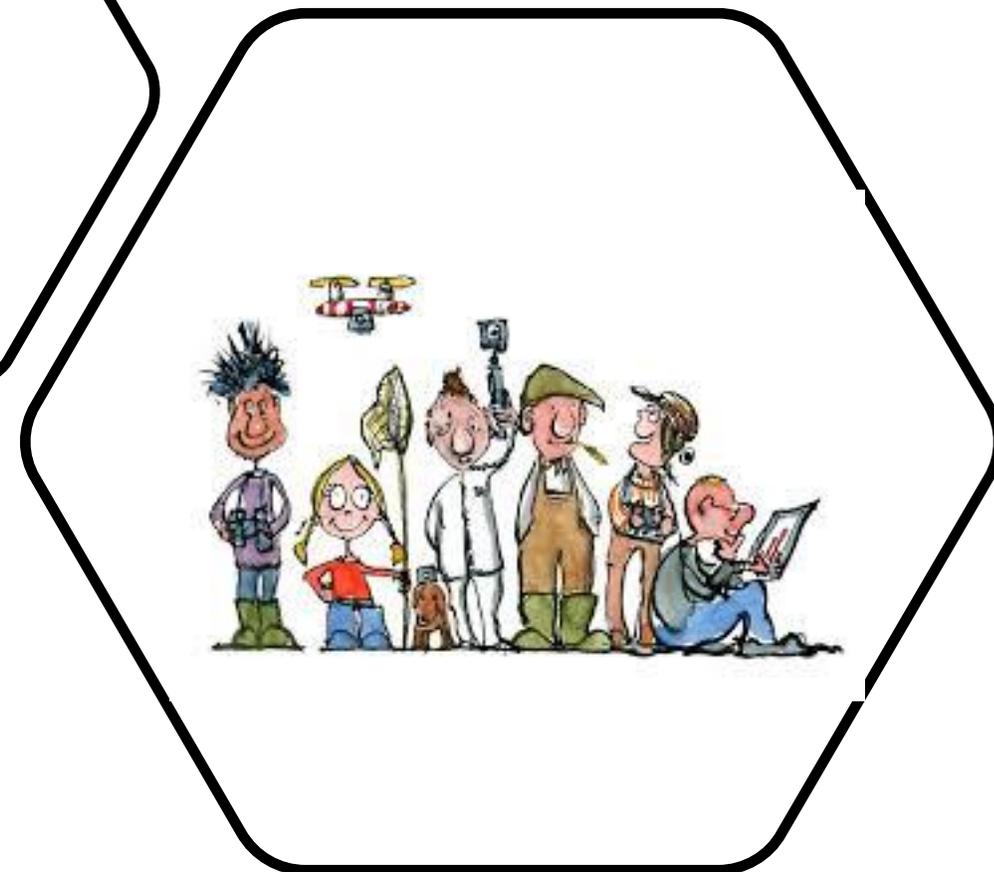
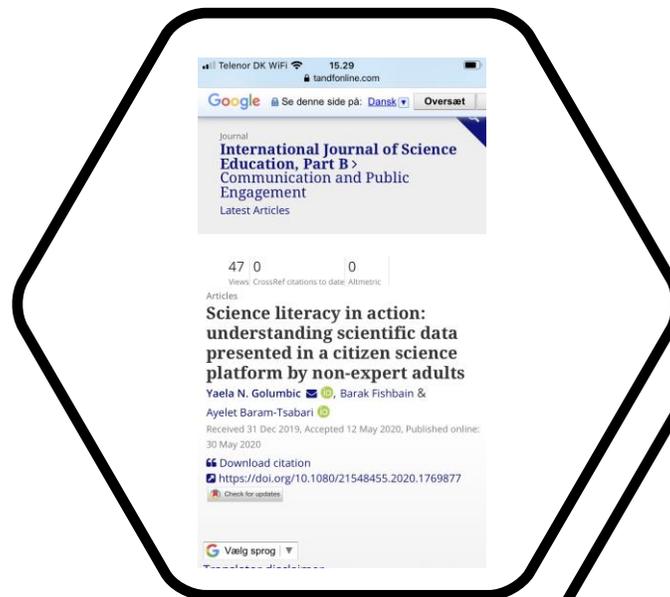
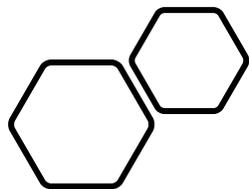
Goals:

- 1) To collect data from lakes around Funen in order to map and monitor the impact on the environment
- 2) To work with public schools, high schools and other citizens in order to enhance scientific literacy
- 3) August – October 2020



Partners: _____

- Media partner: Fyens Stiftstidende
- Public schools: 10 classes
- High schools: 8 classes
- Public libraries: 6 around Funen
- Citizens: Recruited by media partner through features, town hall meetings, SoMe etc.



Science Literacy:

An integrated part of the project.

A common link between libraries across Europe?

SDG4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

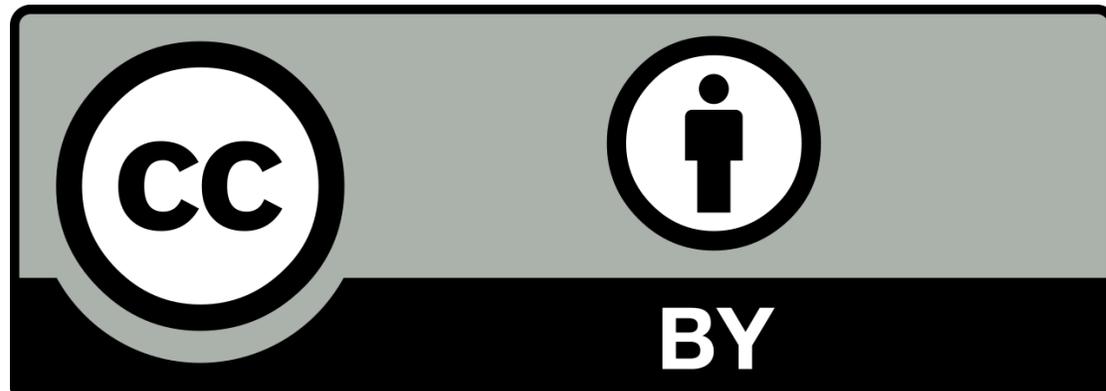
SDG13: Take urgent action to combat climate change

Link to EBLIDA-matric: Horizon 2020/SWAFS + Main Eurostat indicators.





Thank you for
attending!



Joint Webinar

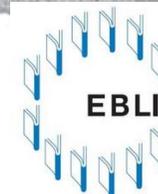
EBLIDA – LIBER

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