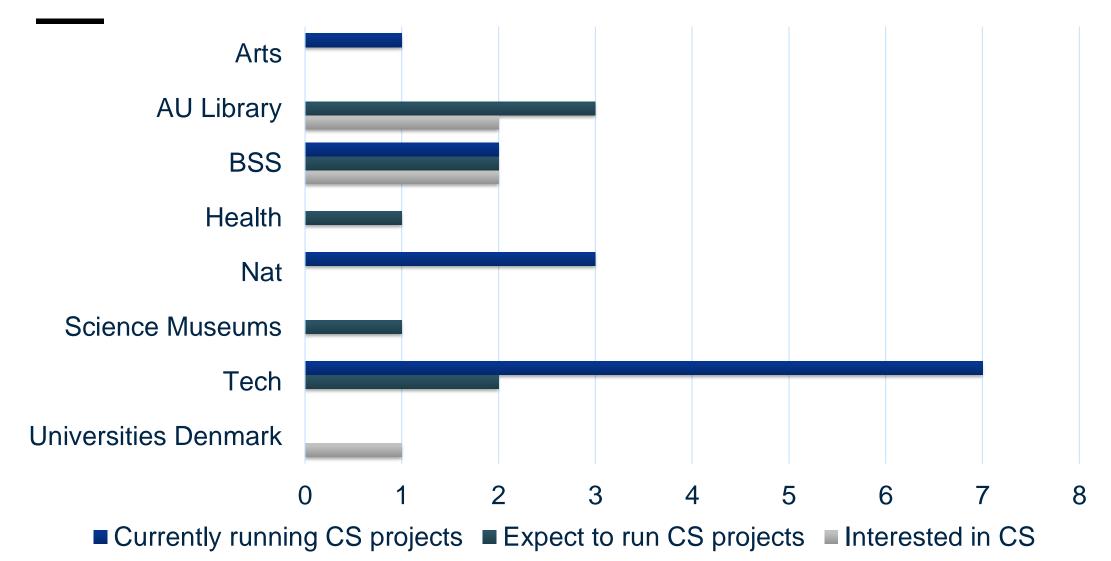
CITIZEN SCIENCE @AU Workshop & Networking

- 12.00-12.30 Lunch (sandwiches and drinks, networking)
- 12.30-13.30 Presentations of citizen science activities at AU
- 13.30-13.45 Coffee break
- 13.45-15.00 Workshop on future directions for citizen science network at AU
- **15.00-15.30** Wrap-up with drinks and snacks (the program formally ends at 15.30, but you are most welcome to stay and chat we have the room until 17.00)



PARTICIPANTS & CS PROJECTS/INTEREST





AU CS NETVÆRK | GITTE KRAGH 20 AUGUST 2021 | POSTDOC



PARTICIPANTS

Alexandra Fogtmann-Schulz. Gertrud Thomsen. Hanne Munch Kristiansen. Henrik Vetter, AU Library, Royal Library

Cathrine M. Schrøder, Henning Heldbjerg, Section of Wildlife Ecology, Dept. of Bioscience, TECH

Clive Sabel, BERTHA – Big Data Centre for Environment and Health, TECH

Inie Madsen, Universities Denmark

Lucilla Losi. Peter Nicolaisen. Simon Fuglsang, The Danish Centre for Studies in Research and Research Policy, Dept. of Political Science, BSS

Mette Kjærgaard Nielsen, Research Unit for General Practice, Dept. of Public Health, HEALTH

Milena Corredig, Dept. of Food Science, TECH

Pernille Kallehave, Dept. of Management, BSS



PRESENTATIONS

Gitte Kragh, Centre for Science Studies, Dept. of Mathematics, NAT & Center for Hybrid Intelligence, Dept. of Management, BSS

Andres Dobat, Dept. of Archeology and Heritage Studies, ARTS

Hans Peter Hansen, Section of Wildlife Ecology, Dept. of Bioscience, TECH

Jacob Sherson, ScienceAtHome, Dept. of Physics and Astronomy, NAT & Center for Hybrid Intelligence, Dept. of Management, BSS

Linda Greve, Science Museums

Prince Michael Amegbor, Dept. of Environmental Science, TECH

Qian Janice Wang, Dept. of Food Science, TECH

Sune Agersnap, Sec. for Genetic, Ecology and Evolution, Dep. of Biology, NAT

Tine Iversen, AU Library

Ulrik Bak Kirk, Research Unit for General Practice, Dept. of Public Health, HEALTH

Kristian Hvidtfelt Nielsen, Centre for Science Studies, Dept. of Mathematics, NAT



GITTE KRAGH



Centre for Science Studies (-> Kristian Hvidtfelt Nielsen) ScienceAtHome/Center for Hybrid Intelligence (-> Jacob Sherson)

• Giv de unge ordet, project led by Health (-> Ulrik Bak Kirk)

British Ecological Society Citizen Science Special Interest Group (2013-)

• www.britishecologicalsociety.org/membership-community/special-interest-groups/citizen-science

European Citizen Science Association (ECSA) (2016-)

- Working groups, e.g., on CS in universities, and CS networks (https://ecsa.citizen-science.net/working-groups)
- Board member

The Danish Citizen Science Network (2018-)

- Citizen Science Portalen: <u>https://citizenscience.dk</u>
- WG on Biodiversity, Nature & Environment







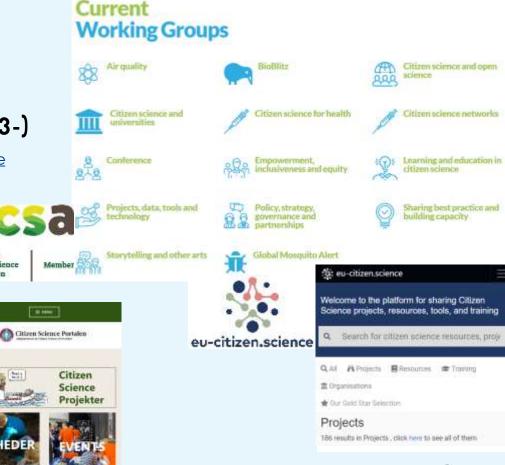
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European Citizen Science

Assoniation

Member

-





The DIME-project - Danish amateur archaeology as citizen science

dime.au.dk is an online platform/application for registering archaeological finds produced by members of the public in cooperation with museum professionals.

Aims:



- promote and facilitate creative interaction with archaeological heritage/research;
- 2) democratize heritage management;
- 3) facilitate cutting edge archaeological research.

Status 2021: 2947 active users; 30 participating museums; 114.085 registered finds.

Future: moving from data production to more active participation of the public in analytical processes (from contributory to collaborative).

Challenges for citizen science in DK/AU:

- 1) sustaining digital citizen science infrastructure;
- 2) promoting citizen science as key element of future AU impact strategy;



Andres S. Dobat (Minos) <u>farkado@cas.au.dk</u> Dep. of Archaeology and Heritage Studies & MOMU

INTERESTS IN CITIZEN SCIENCE

OPPORTUNITIES	CHALLENGES
 Emancipation Empowerment Social Learning Deliberation Sustainable development Democratic consolidation 	 Intersection between societal and scientific dimensions citizens science Lack of reflection on the type and nature of citizen science Lack of theoretical framework Lack of progress (data supply) 'Add on'



CENTER FOR HYBRID INTELLIGENCE

BASIC RESEARCH

Vil du være med til at skabe Danmarks nye superhjeme?





Social Science Super Collider Scalable social science in the wild using public participation in research

Fields of work: Behavioral economics, Human problem solving, Cognitive and creativity profiling

IMPACT AND APPLIED RESEARCH

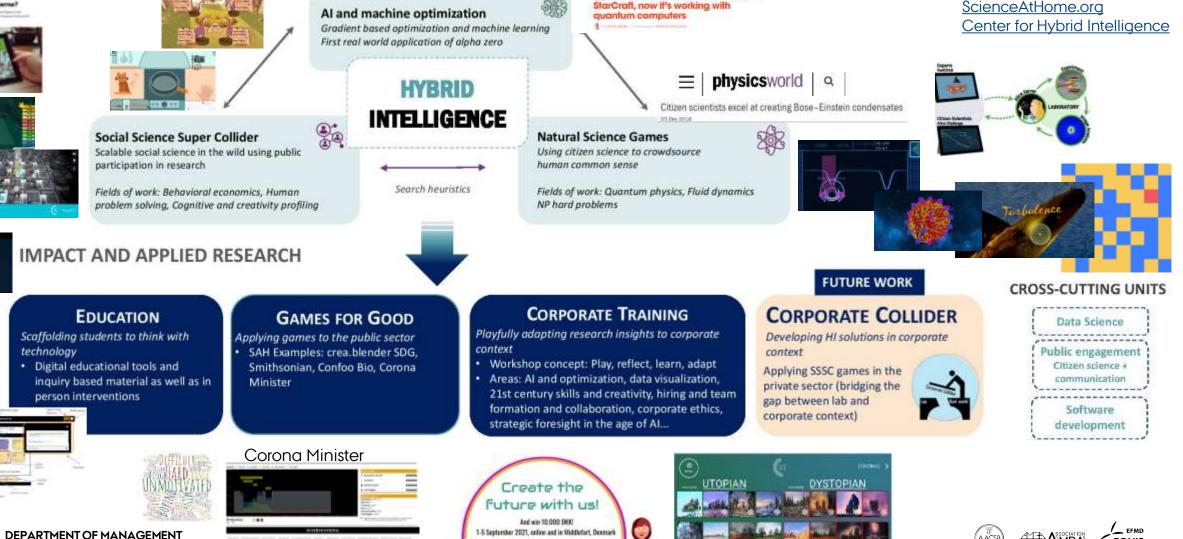
VISION: understanding and fostering 21st century skills (in particularly computational thinking, complex problem solving and creativity) through the lense of Hybrid Intelligence

AlphaZero beat humans at Chess and



Founder and director. ScienceAtHome.org

EOUIS



EDUCATION

Scaffolding students to think with technology

 Digital educational tools and inquiry based material as well as in person interventions

ArguNotes

AARHUS

BSS

AARHUS UNIVERSITY

LINDA GREVE



SCIENCE MUSEERNE AARHUS UNIVERSITET





PRINCE MICHAEL AMEGBOR



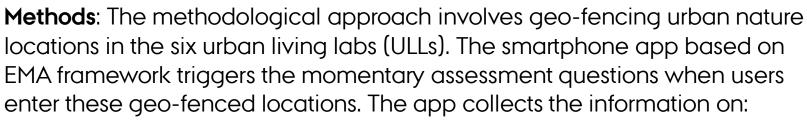




Momentary Assessment of The Effect of Urban Nature on Mental Health – The ReGreen Ecological Momentary Assessment Study (Task 4.2.1)



Aims: In Task 4.2.1 of the REGREEN Project, we aim to use ecological momentary assessment (EMA) mobile app to capture to capture the momentary restorative benefits of urban nature or nature-based solutions psychological wellbeing of urban residents Europe and China.



- $\boldsymbol{\diamondsuit}$ frequency and duration of visits
- positive and negative affects
- responses to urban environmental changes or interventions programs

twitter.com/REGREEN-nbs

linkedin.com/company/regreen-horizon-2020

Event: Citizen Science @ AU - Workshop and Networking **Date**: Friday, 20th August 2021. **Venue**: Richard Mortensen Room, build. 1422, Fredrik Nielsens Vej 2, 8000 Aarhus C



CONTACT: Email: <u>regreen.nbs@gmail.com</u> Website: <u>www.regreen-project.eu</u>

QIAN JANICE WANG "CURATING CITIZEN ENGAGEMENT"

INTERDISCIPLINARY

activity for students in food science and nutrition, business management, computer science, psychology, social policy, etc.

LEARN and apply cutting edge knowledge about the food system.

DEVELOP skills in gamification and citizen science data capture.

CONNECT with the public in 4 European countries.

CO-CREATE solutions for food-related societal challenges.

TAKE ACTION through an end-to-end citizen science project.

eit Food







Curating Citizen Engagement: Food Solutions for Future Generations







Take a picture to
access students'
activities

4+ 4.50

Curating Citizen Engagement is only available on IOS.

Only on Phone



Welcome to Curating Citizen Engagement! This is a gamified levering platform that educates and encourages the public across Europe to co-create a more sustainable and healthier food system. Our fun challenges are designed by university students across Europe in the fremework of a EIT Food course. Get ready to help us advance science!

Support 🛈

Features

+ Contribute your input to help solve food-related societal challenges + Learn science-based knowledge about the healthy and sustainable foods + Attempt different topic challenges to accumulate badges and points? + Interact with other players

., and more!







dea



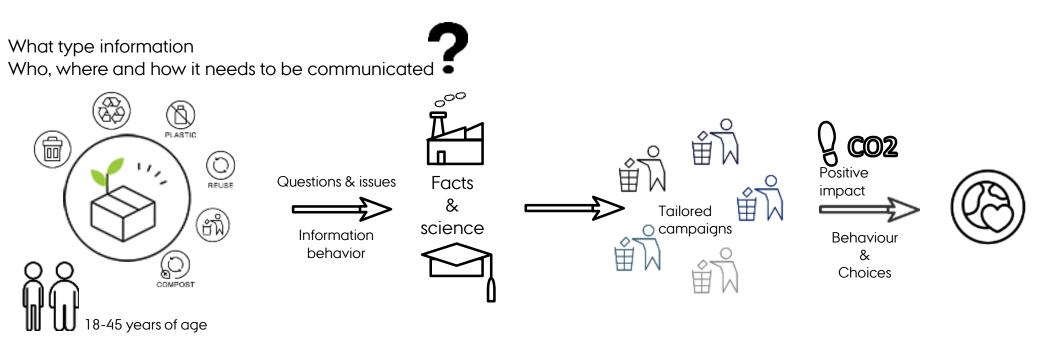




QIAN JANICE WANG

INFORMPACK

An "all you need to know" online guide for sustainable disposal of food packaging

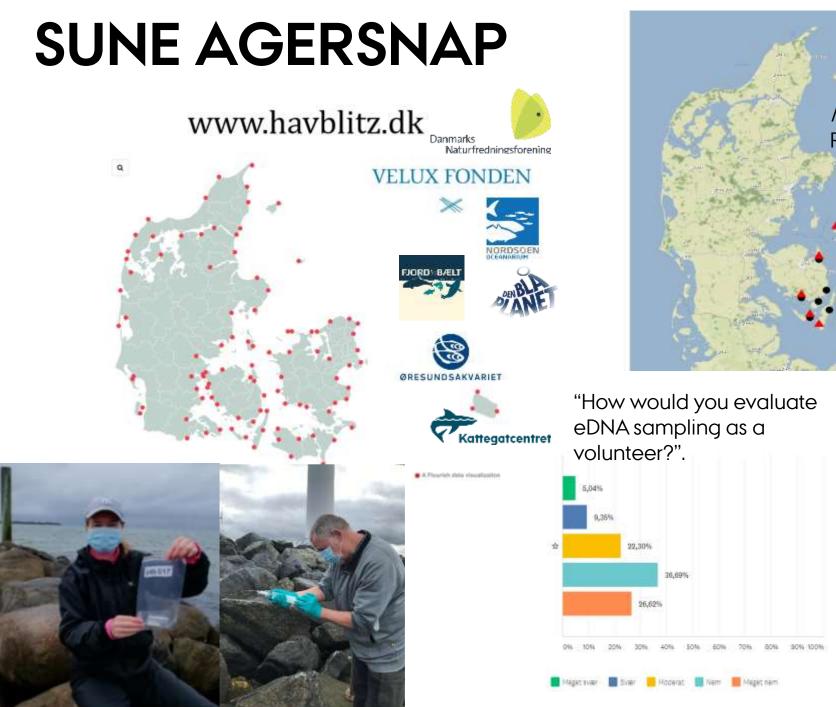


What do we aim to demonstrate?

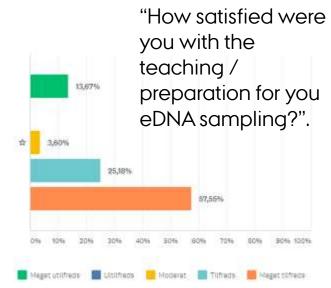
- Different issues faced by consumers across EU & different information behaviours (Culture & micro-culture)
- Impactful interventations therefore need to be tailored and align with the culture of the issues/information!













Citizen Science

- what does the library have to offer?

Support researchers and students at AU

Disseminate knowledge about Citizen Science (p.t. homepage) **Support researchers and students** in their work with Citizen Science **Teach** students about Citizen Science (p.t. in cooperation with med Kristian Hvidtfelt Nielsen).

Improve skills on how to make Citizen Science projects (also librarians needs skills) - by cooperating with AU and CS colleagues at the Royal Library (AULCS network group / KB CS network group), and other national and international initiatives.

Cooperation with AU

Develop a strategy for Citizen Science in cooperation with AU **Cooperate with AU partners** (e.g. ScienceAtHome, KNOCOS (AU's Open Science Center), Research Support Office, Graduate Schools (PhD), and museums at AU) **Search for researchers and others** interested in working with Citizen Science.



DFT KG





HOW CAN RESEARCH COMMUNICATION CREATE VALUE IN YOUNG PEOPLE'S LIVES?

Ulrik Bak Kirk, Project Manager <u>https://givdeungeordet.dk/</u>

CITIZEN SCIENCE @ AU : WORKSHOP AND NETWORKING 20 August 2021

The project received +5 mio. DKK from the Novo Nordisk Foundation.

WHO?

- AARHUS UNIVERSITY
 - DEPT. OF PUBLIC HEALTH
- THE ACADEMY FOR TALENTED
 YOUTH | MIDT
- ScienceAtHome
- Science Museums
- THE ANIMATION WORKSHOP/ VIA UNIVERSITY COLLEGE

WHY?

1) TO EXPLORE HOW CO-CREATION, DIALOGUE AND CROSS-MEDIA COMMUNICATION CAN INNOVATE RESEARCH COMMUNICATION TARGETING YOUNG PEOPLE.

2) TO STUDY HOW NEW PLATFORMS CAN BE USED FOR RESEARCH COMMUNICATION ABOUT HEALTH AND THE USE OF TECHNOLOGY.

WHAT?

1) WE WILL FOCUS ON YOUNG PEOPLE'S HEALTH AND THEIR USE OF TECHNOLOGY, USING ANIMATION FILMS, PODCASTS, AN EXHIBITION AND AN INTERACTIVE DILEMMA GAME (3 PROJECT CASES IN 3 YEARS).

2) WE AIM TO PROMOTE ENGAGEMENT, CRITICAL REFLECTION AND DIALOGUE ABOUT BOTH HEALTH AND THE USE OF TECHNOLOGY AMONG YOUNG PEOPLE.



CITIZEN SCIENCE @ SCIENCE STUDIES

Kristian Hvidtfelt Nielsen

TIME4CS (Horizon2020): Institutional change in support of CS

- Grounding actions (GAs), Forerunners -> GAs, Implementers
- Best practice repository (GAs) available on Zenodo

Lakes in the freetime (Søer i fritiden, SDU, Villum Foundation)

- Citizen science project on water quality and biodiversity
- Survey on motivation and science capital

Engaging Citizen Science Conference, April 25-26, 2022

- Workshops, dialogue stands, and posters
- Citizens' Day, Sunday April 24, 2022





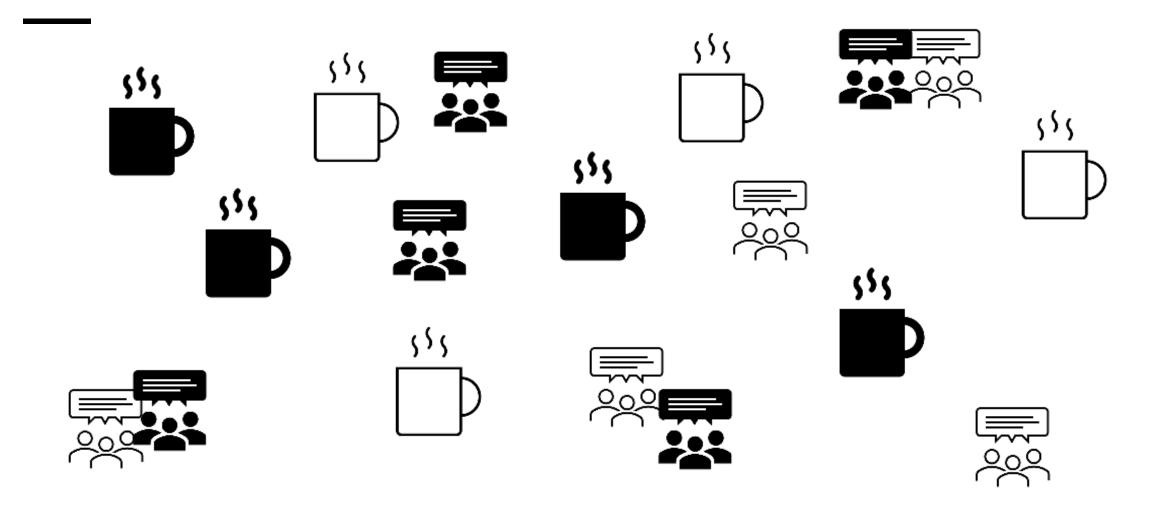








COFFEE & NETWORKING





GITTE KRAGH



BREAKOUT GROUPS

Discussion points

1. Ideas, lessons learned, and challenges encountered/expected - and maybe solved - in your own CS projects / project ideas

a) Brainstorm, write down on post-its and discuss – similar challenges, practical and institutional? Lessons learned and/or solutions that others can use in their own projects?

2. CS strategy, embedding CS, and CS networking at AU

a) Brainstorm, write down on post-its and discuss

 what would you like from an AU CS Network? Ideas for better anchoring of CS at AU? How & where would you like to see CS at AU? How to reach that goal?





BREAKOUT GROUPS

Kristian Hvidtfelt Nielsen Gertrud Thomsen Hanne Munch Kristiansen Hans Peter Hansen Prince Michael Amegbor Tine Legarth Iversen Andres Dobat Jacob Sherson Linda Greve Pernille Kallehave Sune Agersnap

Gitte Kragh

Alexandra Fogtmann-Schulz

Henning Heldbjerg

Henrik Vetter

Qian Janice Wang





MAIN POINTS FROM GROUPS





WRAP UP (& SNACKS & DRINKS)





AU CS NETVÆRK GITTE KRAGH 20 AUGUST 2021 POSTDOC

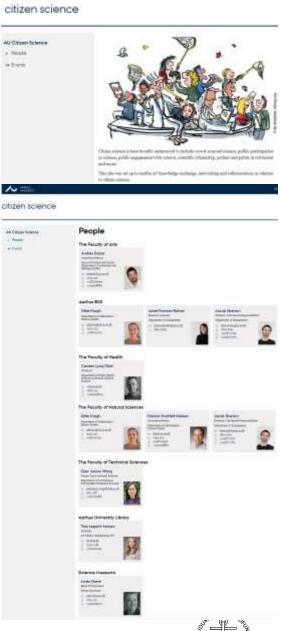
AU CS NETWORK

- Website: citsci.au.dk
 - > People, projects, events
- Mailing list
- Working groups
 - Institutional change & anchoring of CS at AU (leads: Kristian Hvidtfelt Nielsen & Gitte Kragh)
 - Suggestions for groups?

Other meetings

- Once per semester workshop & networking
- If you're interested: we can set up knowledge exchange / project presentation & discussion meetings on a regular basis







Thank you 🕲



citsci.au.dk

Contacts: Gitte Kragh (gitte.kragh@css.au.dk) Kristian Hvidtfelt Nielsen (khn@css.au.dk)