

# Community based monitoring and citizen science: collaboration with local communities and authorities

CAPARDUS-CULTCOAST  
Workshop on observation and  
documentation of Cultural  
Heritage Sites in Svalbard  
March 24 2021

Lisbeth Iversen, NERSC, PhD  
candidate AHO



INTAROS-WP 4 Community based development of the

Arctic: <http://www.intaros.eu/>

CAPARDUS project

UAK: <https://uak.ucalgary.ca/>

<https://www.nersc.no/project/uak>

## Longyearbyen as a case-study

Field trips

Field testing

Mapping pictures of infrastructure

Collaboration with the REGIMES project and youth.

Action research connected to local public meetings, local council meetings.

Workshops with a broad group of stakeholder-Workshop-reports



## INTAROS D4.3, D4.4 and D6.6

### Svalbard

Plans: NERSC, UNIS, UiB/GEUS, NORDECO, ELOKA-model

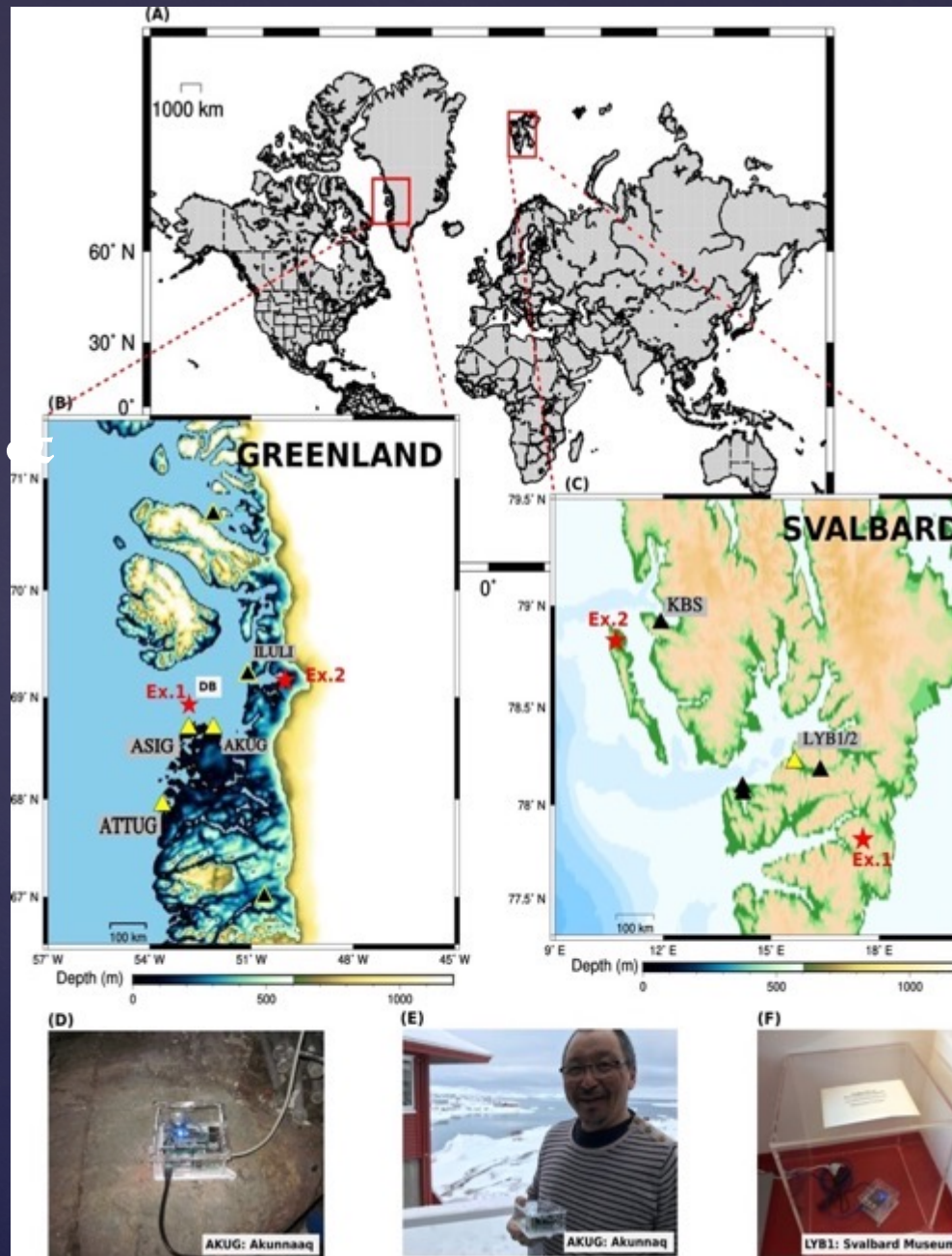
Dec. UAK/ INTAROS 2018: Research school and workshop

- ✂ 2018 onwards: Dialogue with Safety Center/UNIS, local authorities and community members. Deciding possible collaboration on field testing of CBM and citizen science tools in 2019. Field testing of citizen seismometers from august 2018. Workshop with AECO and IASC. March 7 2019
- ✂ March 8 2019: Workshop with local government authorities and representatives of civil society organisation and AECO.
- ✂ Two outputs
  1. Technical report and workshop reports on lessons learnt
  2. Policy briefs for both Svalbard and Greenland.



**Hazards:  
Citizen seismometer**

# T4.3 Pilot CBM networks Greenland Svalbard



Improved  
detection and  
data support  
for  
understanding  
seismic events

With fishermen  
and hunters

Led by  
GEUS  
and UiB





## T4.3 Pilot CBM networks Greenland & Svalbard

### Dialogue: cruise operators, scientists, decision-makers



Photo: M.K. Poulsen

Longyearbyen, March 2019

Report available at:

<http://www.intaros.eu/media/1635/2019-report-aeco-workshop-v4.pdf>

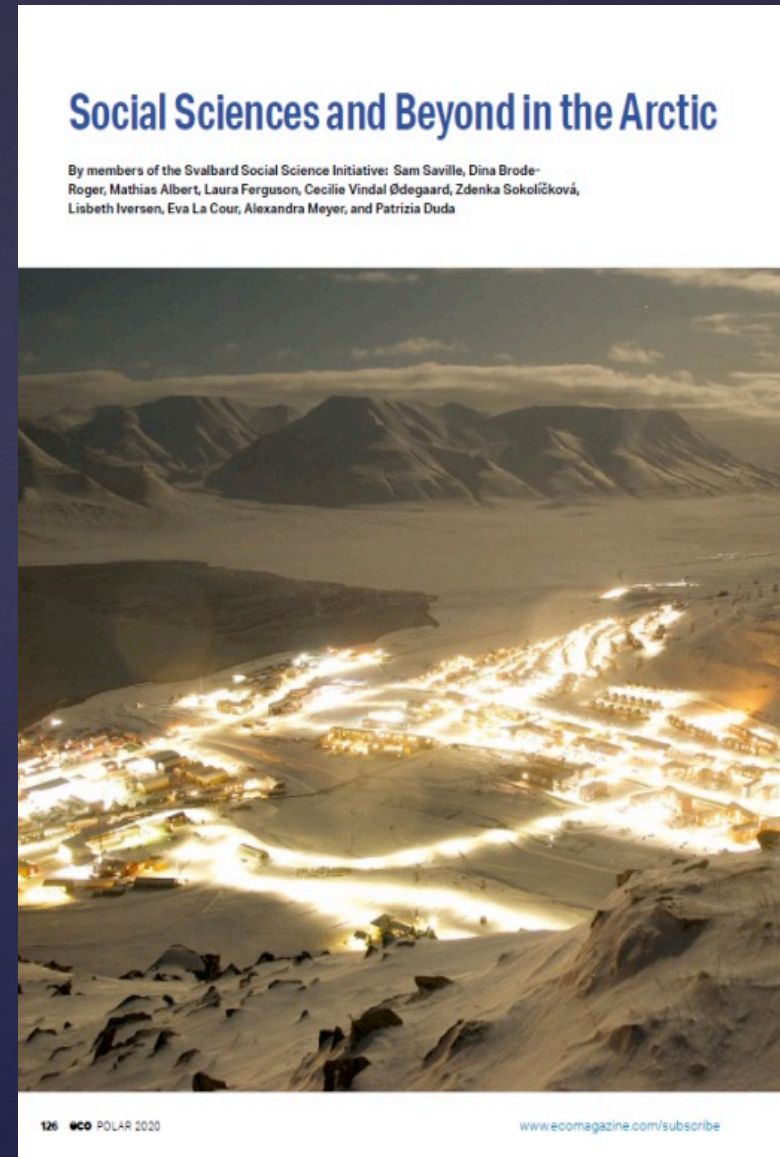




# Svalbard: Improved dialogues: CBM, social science and planning



- ✂ October 2020. The ECO Magazine has published an article co-written by several SSSI members, including Lisbeth Iversen, NERSC/INTAROS, about social science, humanities and arts research in Svalbard and beyond : <http://digital.ecomagazine.com/publication/frame.php?i=674747&p=126&pn=&ver=html5>
- ✂ SSSI is supported by the Research Council of Norway, through NERSC and the UAK project, and by Horizon 2020 through the INTAROS project.





# Svalbard: local council dialogues

## Improved dialogue for CBM, social science and planning



- ⌘ **December 10-11 2020: Arranged the first digital part of the planned Workshop granted by Svalbard Strategic Grants.** The next part is planned to be hosted in Longyearbyen in October/ November 2021, with local and international stakeholders.
- ⌘ **October 21 2020: Arranged a seminar with presentation of the INTAROS WP4 activity etc. As part of the Arctic Innovation Week:**
- ⌘ <https://www.facebook.com/svalbardsocialscience/photos/gm.267765157869581/1442990775896036>



# Networking and community dialogues

- ✂ **September 23 2020: Kick-off to collaboration with SVALUR!**
- ✂ Understanding Resilience and Long-Term Environmental Change in the High Arctic: Narrative-Based Analyses from Svalbard will combine environmental monitoring and people's knowledge on environmental change on Svalbard.
- ✂ **May 4 2020-** Digital meeting with the planning director in the Local Council: *How is life now in Longyearbyen during the Covid 19 Pandemic.* Topics to address, collaboration to be started.
- ✂ **May 2020-Launch of Longyearbyen Community Dialogues-** SSSI has been partner with local actors in the establishment of this forum where we can discuss various issues that are fundamental for the wellbeing of Longyearbyen as a community. Arranged May 27, September 17 and December 9 2020
- ✂ **February 24 2020 Svalbard Social Science Initiative became an organization.** Adm support organization contact person and NERSC/ INTAROS-Iversen. **New and updated webpage launched( Led by Lisbeth Iversen):**  
<https://svalbardsocialscience.com/>







Meeting with the planning and development department-Local Council, 29.th of November 2018  
Network building approaches

INTAROS-Svalbard: Contributed to the launch of Svalbard Social Science Initiative, SSSI, together with other researchers:  
<https://www.svalbardsocialscience.com/>



# CAPARDUS;

## Case Longyearbyen and Adventsdalen

Planning to start collaboration with the local council and the inhabitants on capacity building- Peoples walk and workshops June 2021?

The Governor has started working on a protection plan for Adventsdalen, an area that is used by the local community and the tourist industry.

Participation and cocreation on mapping areas of public interest, worries, identifying need for knowledge and data for decision-making are areas of collaboration.

**Cultural heritage should be one of the important topics to address!**





# Land-use management



Economic activities in Svalbard are as a main rule located in the planning areas around the main settlements.

Land-use is controlled through management plans. The Governor is the land-use authority.

The Governor  
Published 06.09.2012 Last changed  
27.09.2016



# MOBILIZATION OF PEOPLE AND CULTURAL RESOURCES FOR SUSTAINABLE URBAN DEVELOPMENT

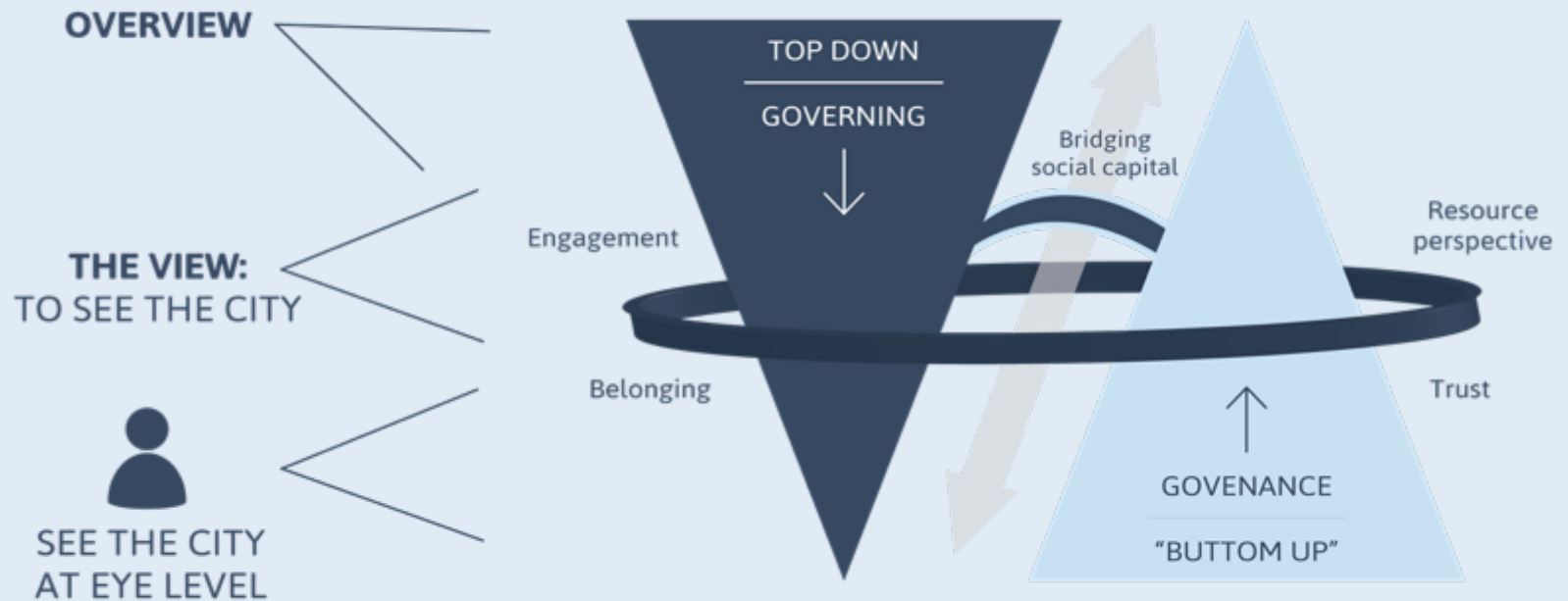
Combining a holistic  
perspective with proximity

Public Sector PhD-project  
Lisbeth Iversen

Oslo School of Architecture  
and Design,  
Institute of Urbanism and  
Landscape



## A HOLISTIC AND OVERALL PERSPECTIVE- THE CONTEXT AND FRAMING-THE VISION



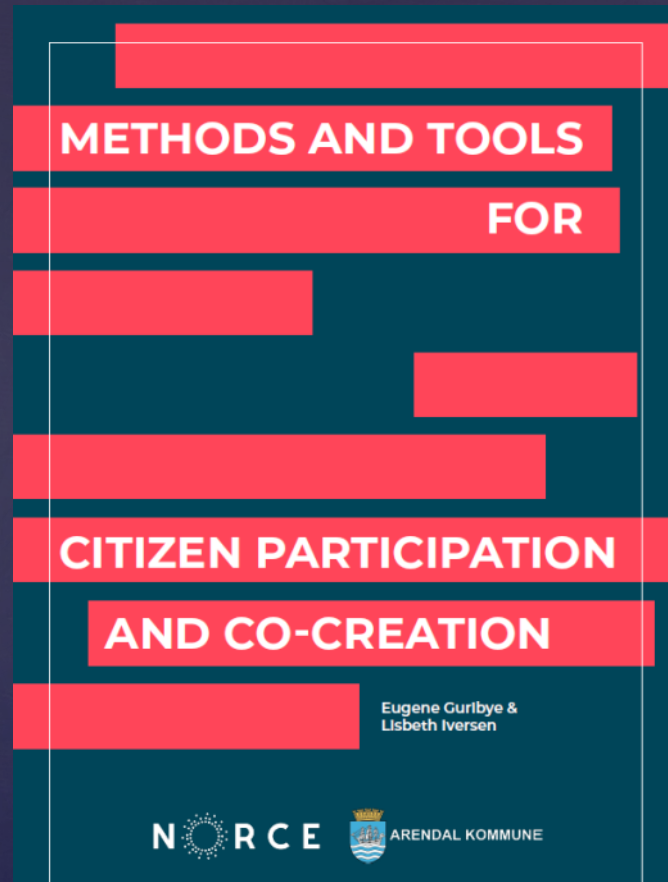
**PROXIMITY - THE WALK-GO OUTSIDE AND WALK AROUND -  
THE SPATIAL DIMENSION**

Through my work as a public sector PhD candidate, I look at how local communities can contribute to a mobilization of people and resources to achieve a sustainable development, combined with broad knowledge and monitoring perspectives.

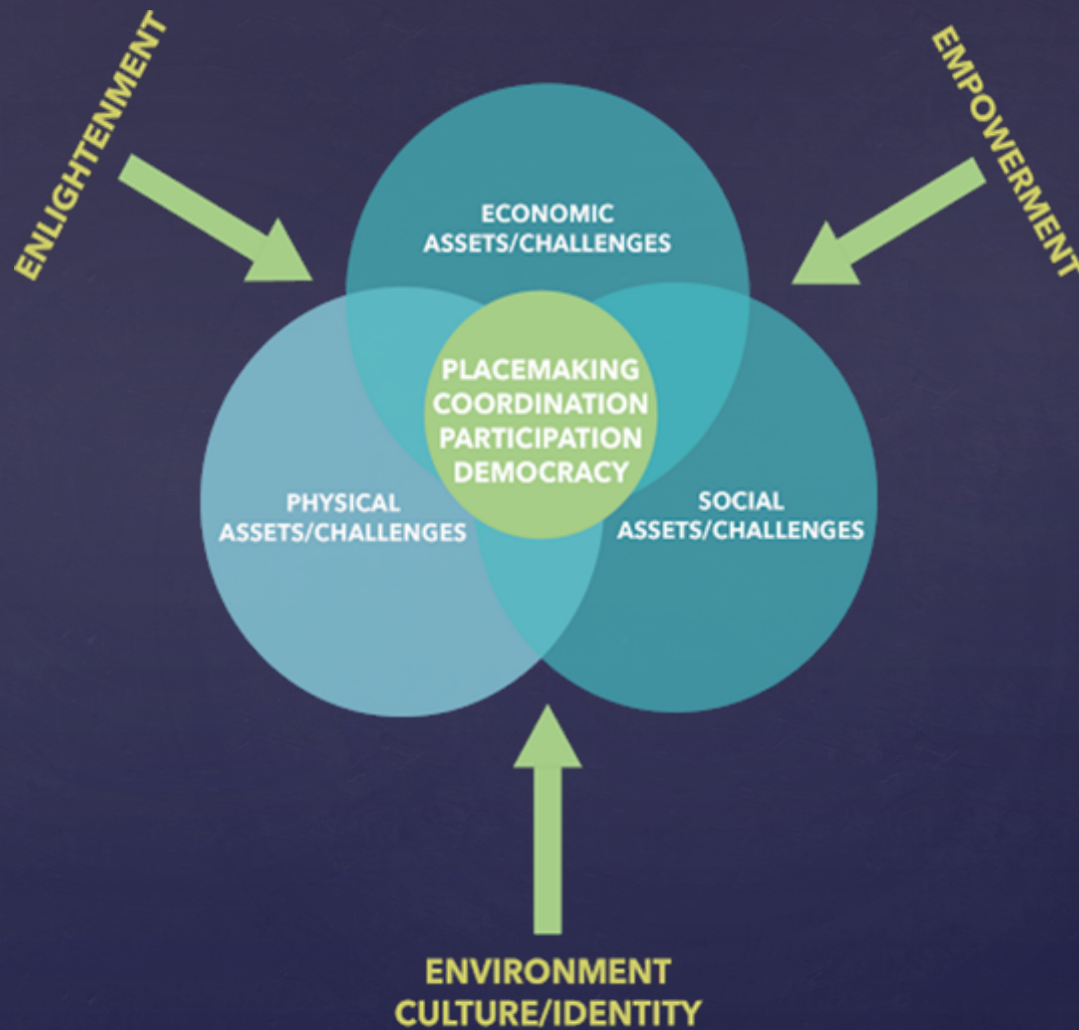
Through the analytical perspectives of linking and bridging social capital, placemaking, participation and democracy in planning and development, and through an Asset Based Community Development( ABCD) approach, I argue there is a need for co-creation, broad knowledge, and a facilitation of these processes in order to reach the UN sustainability goals, and to secure a safe and holistic management and development.



# Methods and tools for participation, co-creation and placemaking for sustainability



# Wholistic placemaking model





# People, co-creation, social capital and cultural resources



# Rationales for engaging in communication and knowledge mobilization activities

## We have to:

Laws, legislations and international agreements ( The Paris Agreement etc.)

The European Charter on Participatory Democracy in Spatial Planning Processes

The Principle of Subsidiarity

The UN SDGs, especially SDG 17

In order to get funding, there will be an increasing demand for a societal approach and the benefit for local communities

## We should:

Base research approaches and decisions on broad knowledge and data from both top-down- initiatives and bottom-up projects and programmes.

Support Local Democracy

Common ownership and shared goals and values are likely to make it possible to develop projects, programmes without too many time-consuming conflicts.

Can give us better results and increased innovation capacity.

Co-creation and Placemaking to enhance Peacemaking.



Thank you for your attention!

My research profile; <https://womeninthearticandantarctic.ca/women-in-the-arctic-profiles/profiles-i-p/lisbeth-iversen/>