

Linking top down and  
bottom up initiatives  
and knowledge:  
Community-based  
monitoring and co-  
creation approaches  
for sustainable urban  
development in the  
Arctic

March 26 2021

ASSW2021- ID:85-Presentation  
Lisbeth Iversen, NERSC, PhD candidate  
AHO



INTAROS-WP 4 Community based development of the Arctic: <http://www.intaros.eu/>

**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**

**Digital dialogues**

**UAK-project: Case Longyearbyen- Svalbard-combined with the INTAROS project.**

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

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

# Participants at the Fairbanks workshop

*"Immense value of data sharing ... The more information is distributed, the more valuable it becomes, because people can use it"*

*"Not all data can or should, be shared. Intellectual property rights, data sovereignty, customary law ... must be respected"*

CARE principles : Free, Prior, and Informed Consent



## INTAROS Community -Based Monitoring Experience Exchange Workshop Report

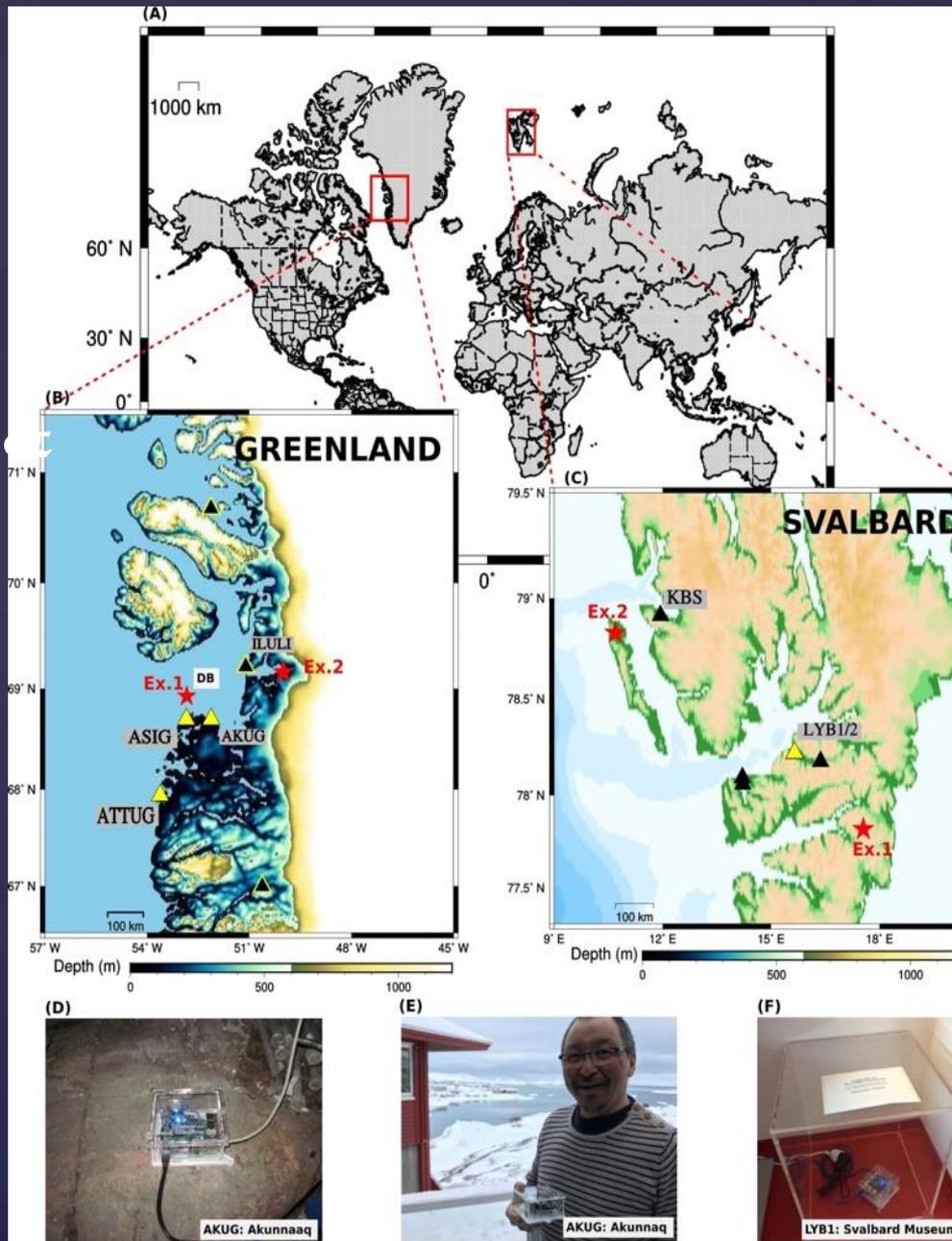
FAIRBANKS,  
ALASKA

MAY 10,  
2017



<http://www.intaros.eu/>  
<http://eloka-arctic.org/content/reports>

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



Longyearbyen, March 2019  
Report available at:

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



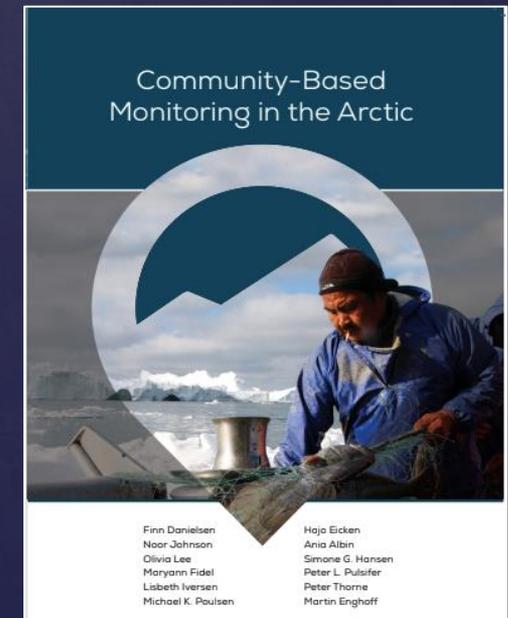
# Examples of global repositories – and the number of datasets derived from ILK

Repository	Datasets, total	Datasets derived from ILK*
NSF Arctic Data Center	10,753	48
Polar Data Catalogue	2,557	46
NASA EO Clearing House	14,316	12
USGS ScienceBase	492	7
NOAA, Nat'l Oceanographic Data Centre	6,352	0
NOAA's National Center for Env. Information	3,703	0
Biological & Chem. Oceanog. Data Mngt Office	1,526	0
Global Terrestrial Network for Permafrost	1,404	0
Rolling Deck to Repository	914	0
ICES	470	0
Norwegian Meteorological Institute	201	0
University Corporation for Atmospheric Research, Research Data. Archive	173	0
The Digital Archaeological Record (tDAR)	85	0

\* Note:

The ILK data may sometimes only comprise meta-data, pointing to repositories such as ELOKA

Further reading:



# INTAROS WP4 Activities:

Field work at Svalbard August 2017 : Students from Amalie Skram Highschool interviewing local inhabitants in Longyerbyen



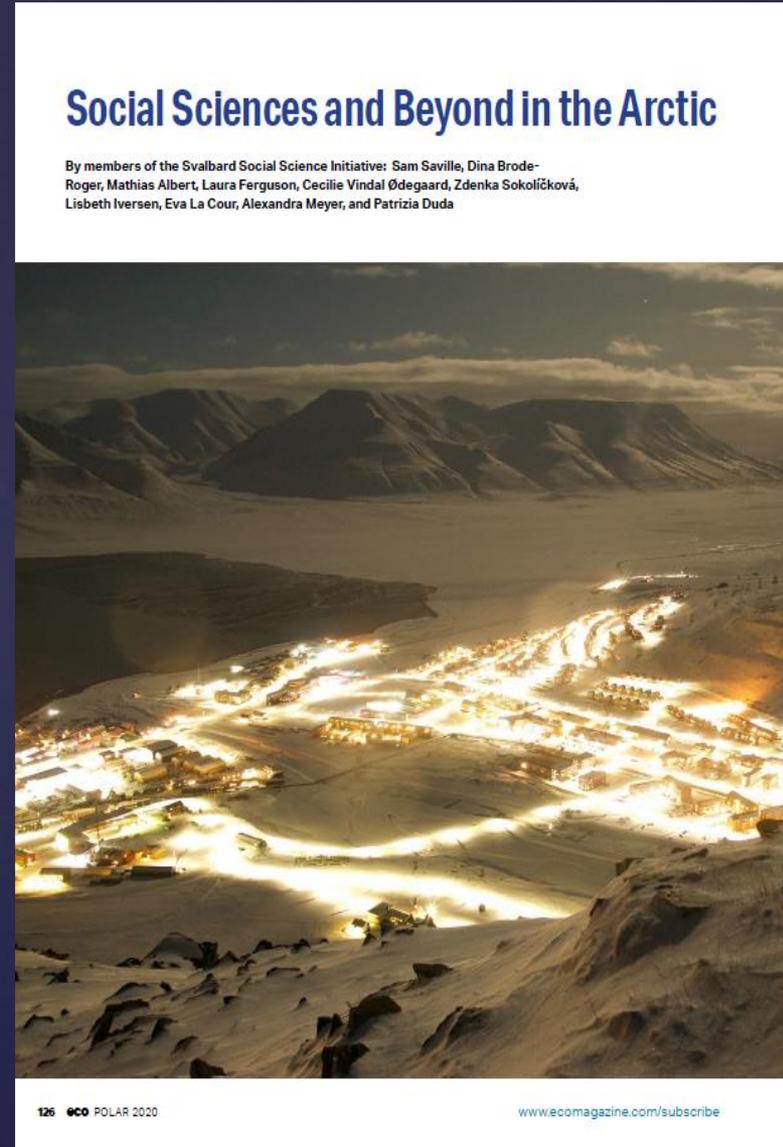
# Workshop with students from Amalie Skram Highschool



# 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.

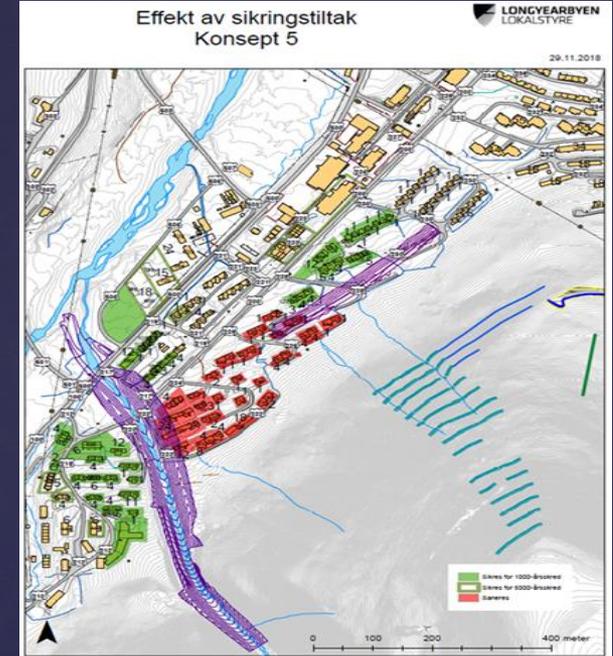


## Social Sciences and Beyond in the Arctic

By members of the Svalbard Social Science Initiative: Sam Saville, Dina Brode-Roger, Mathias Albert, Laura Ferguson, Cecilie Vindal Ødegaard, Zdenka Sokoličková, Lisbeth Iversen, Eva La Cour, Alexandra Meyer, and Patrizia Duda

# 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>

# Svalbard 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-  
Lokalstyre, 29.th of November 2018

# Local infrastructure



CAPARDUS;

Case Longyearbyen-  
Adventsdalen?

Could this be a collaboration  
with the local council and the  
inhabitants on Capacity  
building?.

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

Participation and co-creation  
on mapping areas of public  
interest, worries, identifying  
need for knowledge and data  
for decision-making are  
important topics.



# 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

# The Precautionary Principle.....or Co-creation of knowledge for sustainable Place management and monitoring?

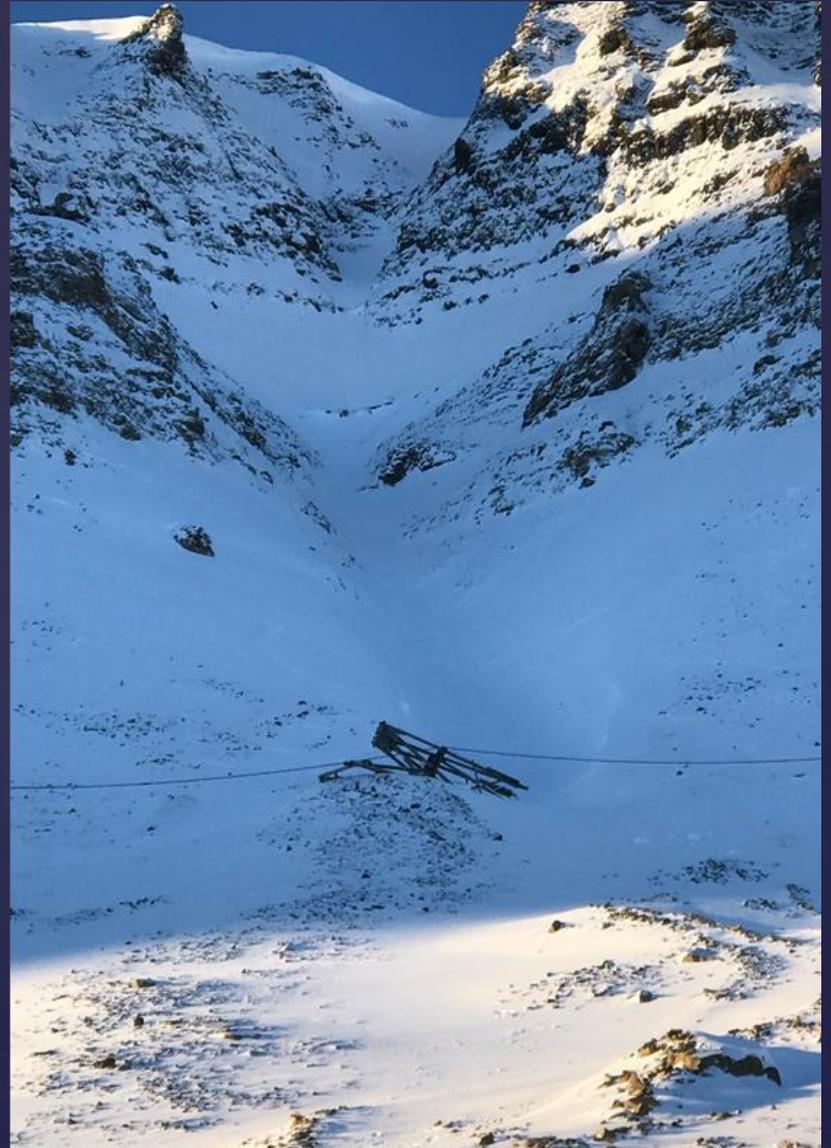


Interesting discovery: "People about Longyearbyen as a physical framework" is a collaborative project between LPO architects and Svalbard Social Science Initiative, (SSSI) represented by architect Lilli Wickstöm (to the right) and social anthropologist Alexandra Meyer. Photo: Børre Haugli

# People and nature



# Cultural Heritage





MOBILIZATION  
OF PEOPLE AND  
CULTURAL  
RESOURCES FOR  
SUSTAINABLE  
URBAN  
DEVELOPMENT

Combining a holistic  
perspective with proximity

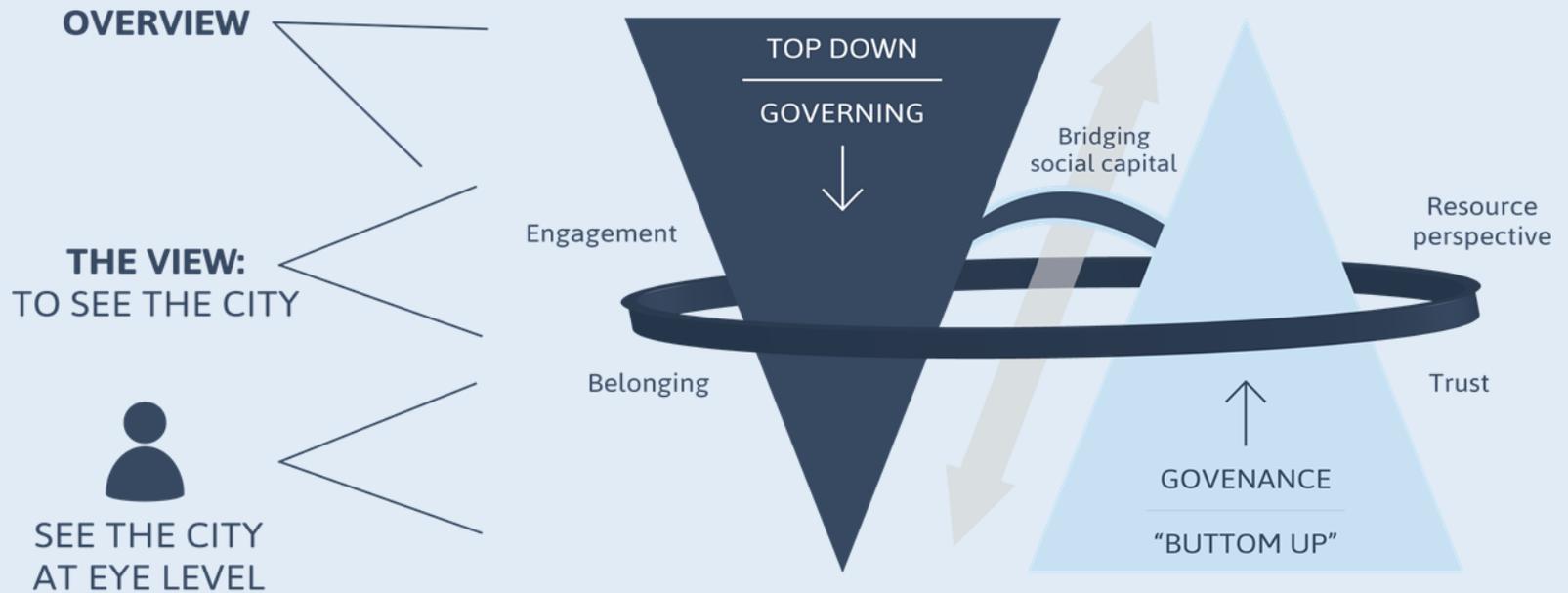
Public Sector PhD-project  
Lisbeth Iversen

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

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.

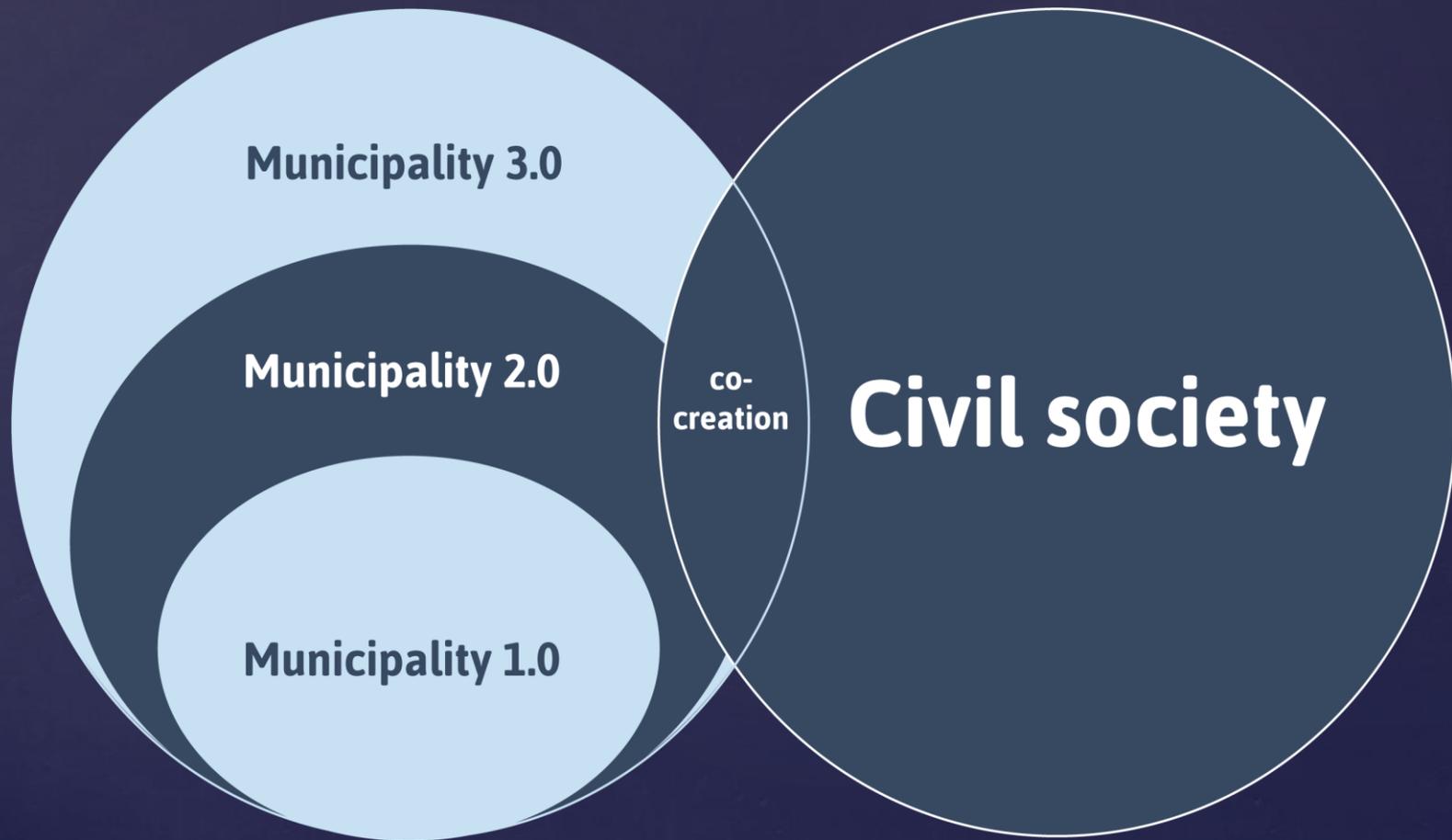
## A HOLISTIC AND OVERALL PERSPECTIVE- THE CONTEXT AND FRAMING-THE VISION



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

WHY  
COLLABORATION  
AND CO-  
CREATION?

Co-creation, social capital, people and cultural resources...  
Local democracy and The Principle of Subsidiarity



# Downscaling and Localizing the UN SDGs, especially SDG 17



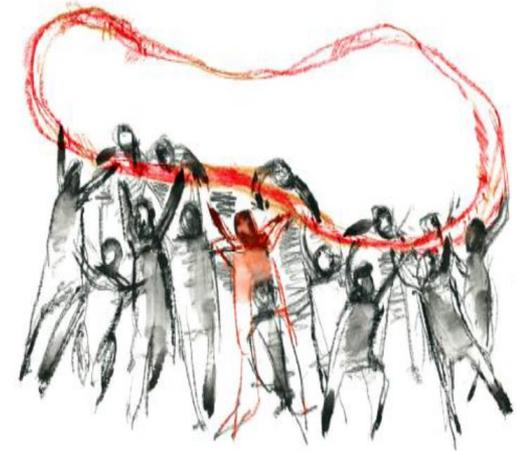
Raet National Park



# The European Charter on Participatory Democracy in Spatial Planning Processes



**HAVE AGREED AS FOLLOWS:**



## **Article 1 - Definition**

A Participatory Democracy process in spatial planning is an approach to public participation to facilitate decisions which minimise conflicts created by competing differences in needs and concerns through co-produced decisions driven by the general common interest.

# Strengthen local democracy and build new organization at local and regional level. UN SDG16



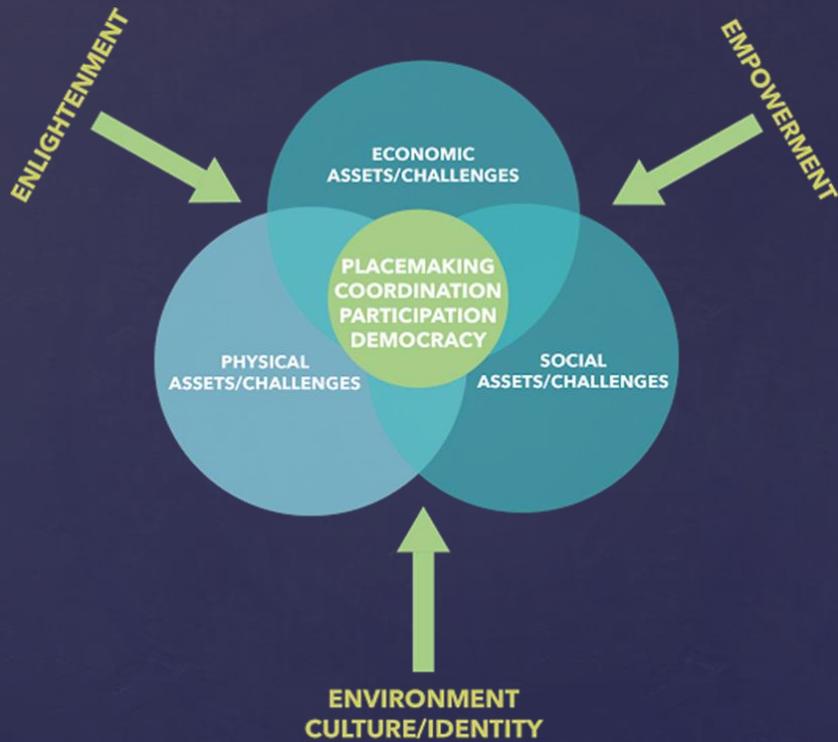
# INNOVATION CULTURE AND RESOURCE MANAGEMENT



Company: Norwegian Shores

HOW TO CO-  
CREATE AND  
COORDINATE?

# Wholistic placemaking model



© LISBETH IVERSEN





PLACEMAKING  
MOBILIZING  
ORGANIZING  
VISUALIZING  
ACT and CHANGE



In connection with my Public Sector PhD I have developed an overview of methods and tools for information, participation and co-creation in a collaboration with researcher Eugene Guribye, Norce Research

**METHODS AND TOOLS  
FOR**

**CITIZEN PARTICIPATION  
AND CO-CREATION**

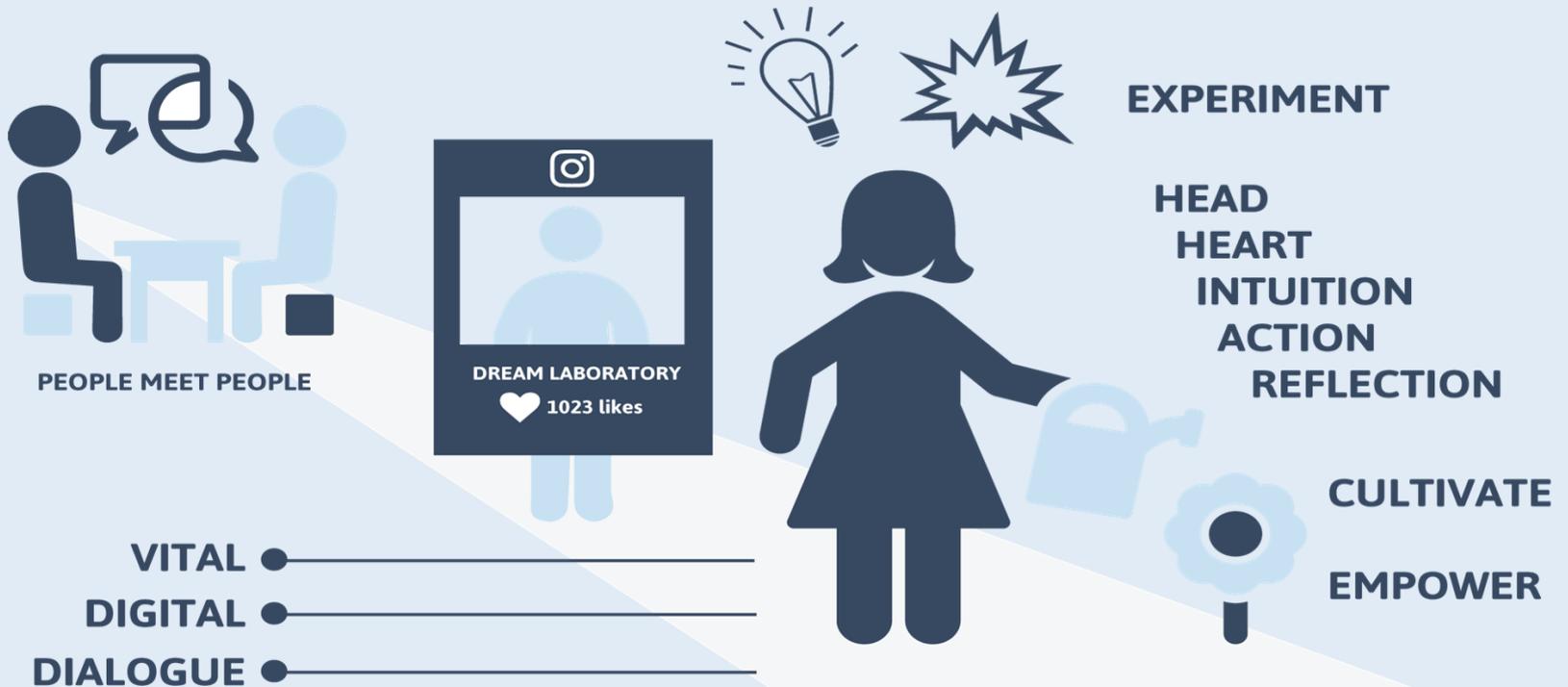
Eugene Guribye &  
Lisbeth Iversen



[https://drive.google.com/file/d/1yfEmTcFv37qaipMIY0bXzJ\\_Xdf\\_odBmE/view?usp=sharing](https://drive.google.com/file/d/1yfEmTcFv37qaipMIY0bXzJ_Xdf_odBmE/view?usp=sharing)

# Methods and tools-ways of working

## CREATION - TEMPORARILY - MEETING PLACES

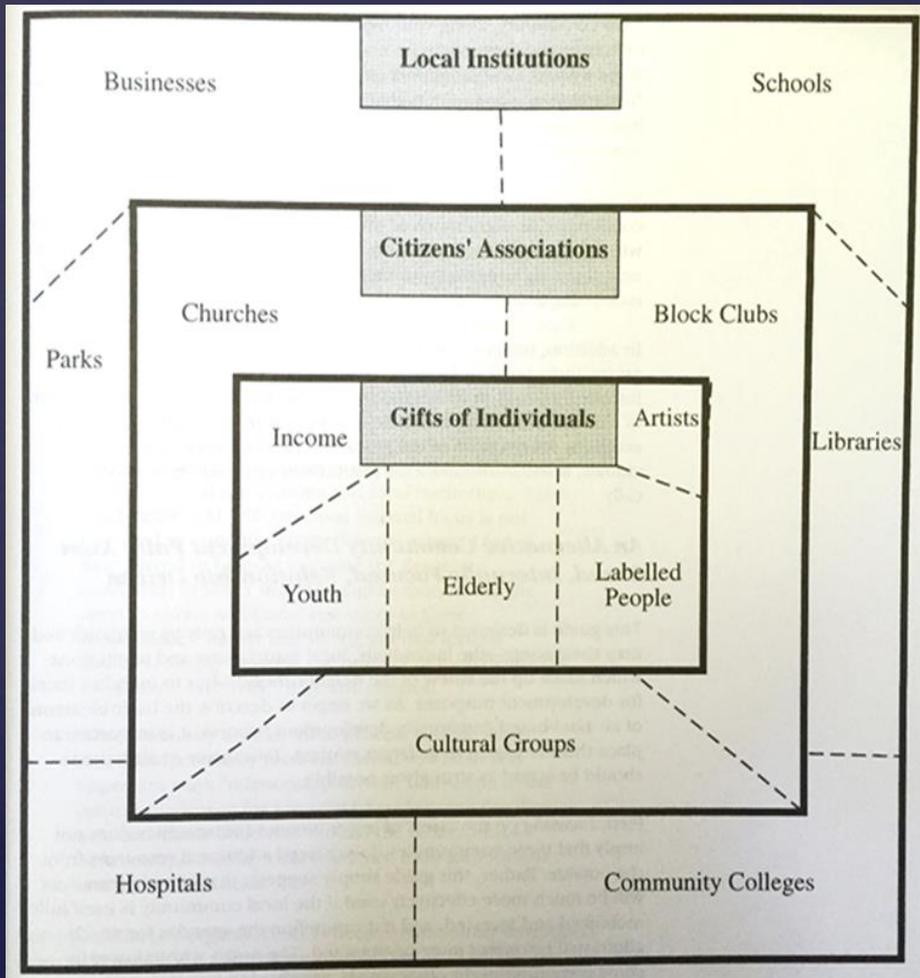


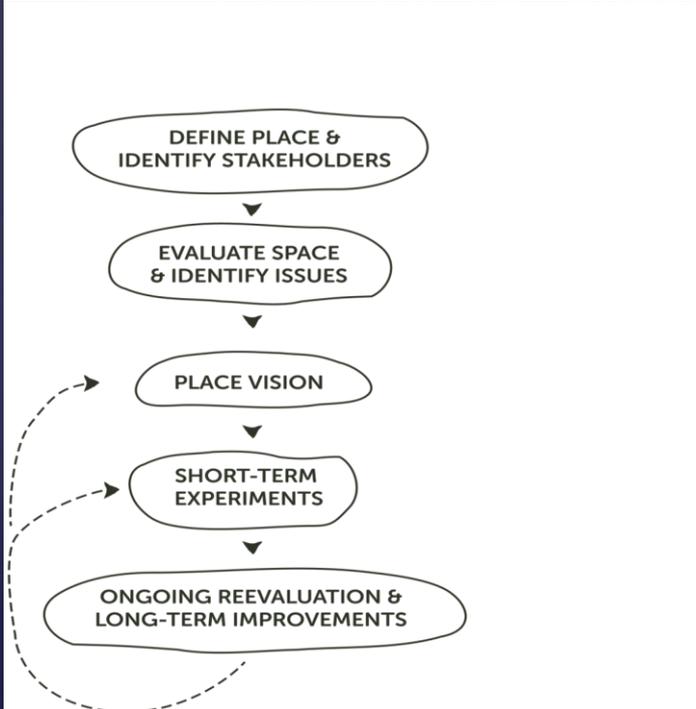
**“ TOOLS AND WAYS OF WORKING, AND A LITTLE BIT OF ARBITRARINESS ”**



New Educational programs, and Leadership courses. Leadership for capacity building and community development. Cohesive approaches, defining our new “commons” and shared goals and values

# ABCD...Resource based management and networking...walking and talking..and acting







How to work to co-create and base decisions on both local and expert knowledge and research, and to take time to anchor common goals and strategies, and build trust?



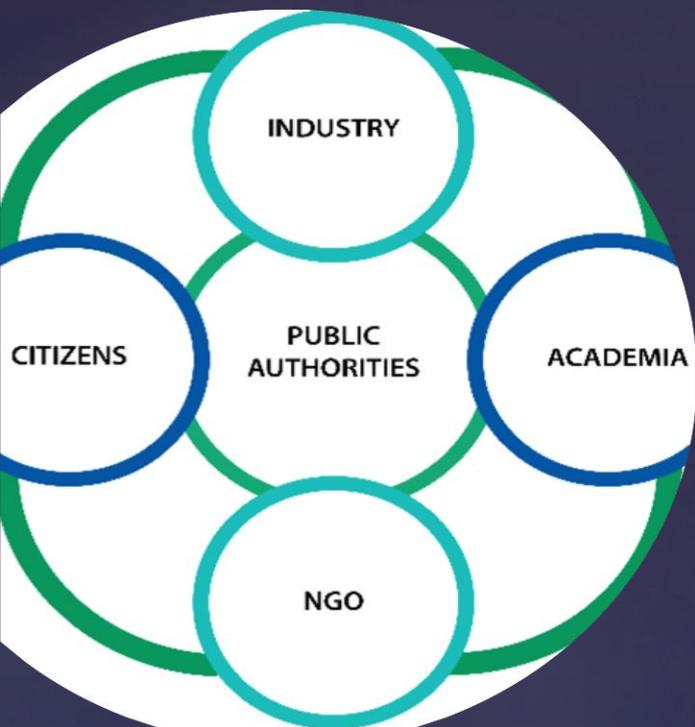
Develop information platforms and meeting places across fields, sectors and institutions for capacity building and accessibility of knowledge and information. ( Digital platforms and networks)

Leave the writing and talking for a while,  
and let Art speak! Bottom-up input to a  
discussion on re-opening the canal in the city  
center of Arendal



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





Creating engagement through a Penta helix-model: One example is a Democracy week addressing equity, power, politics, co-creation, placemaking, education and capacity-building





Nordic Network of Digitalisation for attractive Cities and Regions.  
We have published examples from work in some Nordic municipalities:  
«Digitalisation transformation for Attractive places, Inspiration, tools and approaches»



[https://futureplaceleadership.com/toolboxes/digitalisation/?utm\\_campaign=2019%20Q2%20NL&utm\\_source=hs\\_email&utm\\_medium=email&utm\\_content=76245831&hsenc=p2ANqtz-fG4TcD46PLeF06e8kZaKoRCWKXJ28pcmA7oCzYCPUiblwxn3NUmB-ZiXa-Gy8-OBzpQNJQQ0nygJtMp24t4OHveY2iQQAPGehZDeYG8XftKRpUQ&hsmi=76245831](https://futureplaceleadership.com/toolboxes/digitalisation/?utm_campaign=2019%20Q2%20NL&utm_source=hs_email&utm_medium=email&utm_content=76245831&hsenc=p2ANqtz-fG4TcD46PLeF06e8kZaKoRCWKXJ28pcmA7oCzYCPUiblwxn3NUmB-ZiXa-Gy8-OBzpQNJQQ0nygJtMp24t4OHveY2iQQAPGehZDeYG8XftKRpUQ&hsmi=76245831)



# Culture and Nature



Common ownership and shared goals and values are likely to make it possible to develop projects, programmes and inclusive processes without too many time-consuming conflicts. It can also give us better results and increased innovation capacity.

How to bridge the gap between top down and bottom up approaches and initiatives, between Scientists, experts and local knowledge?

- Need for Translators of knowledge, Facilitators of collaborative processes, Coordinators to bridge the gap among stakeholders and to develop Negotiation Capacity. New leadership competence is needed in multi actor-multi topic-projects and processes.
- Information and communication through digital and social meeting places and knowledge-sharing platforms and networks should be available.

Co-creation and Participatory planning are important topics, but we also need to address:

- Place Shaping
- Placemaking
- Place Leadership
- Place Management
- Place Monitoring
- Place Communication
- Place Narratives
- ....and not at least, Place- innovation for
- Sustainable Development, Relational Welfare and Inclusion.

Thank you for your attention!

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