

# Data-driven Subnational Decision-making in the Arctic: Towards identifying the key issues

Preliminary results

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101003472



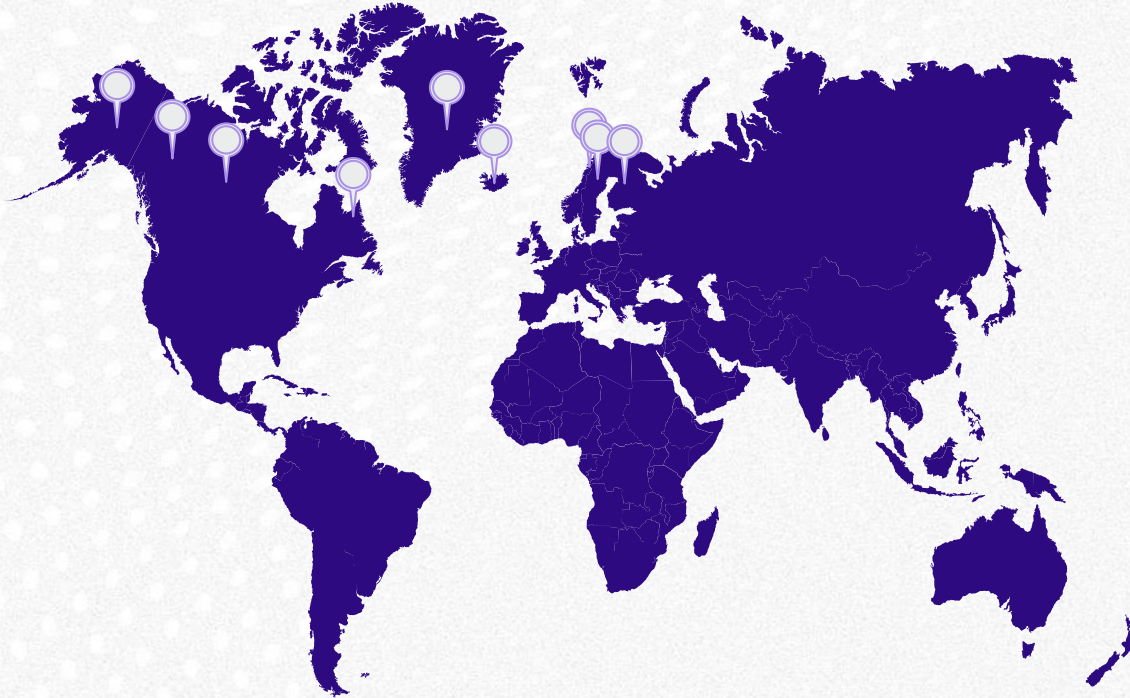
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Pan-Arctic Observing  
System of Systems:  
Implementing Observations  
for Societal Needs



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# Interviews



Alaska Centre for Climate Assessment and Policy



The Government of Yukon;  
The Government of Northwest Territories;  
Municipality of Yellowknife, NWT;  
The Government of Newfoundland and Labrador



Ministry for Agriculture, Self-Sufficiency, Energy and Environment



Ministry for the Environment and Natural Resources;  
The Environment Agency of Iceland;  
Westfjords Regional Development Office;  
Municipality of Akureyri;  
Municipality of Dalvík;  
Municipality of Siglufjörður,  
Municipality of Reykjavík (Greater Reykjavík Area)



Troms and Finnmark County;  
Municipality of Tromsø



County Administrative Board of Norrbotten;  
Municipality of Luleå



Regional Council of Lapland;  
Lapland Centre for Economic Development, Transport and the Environment



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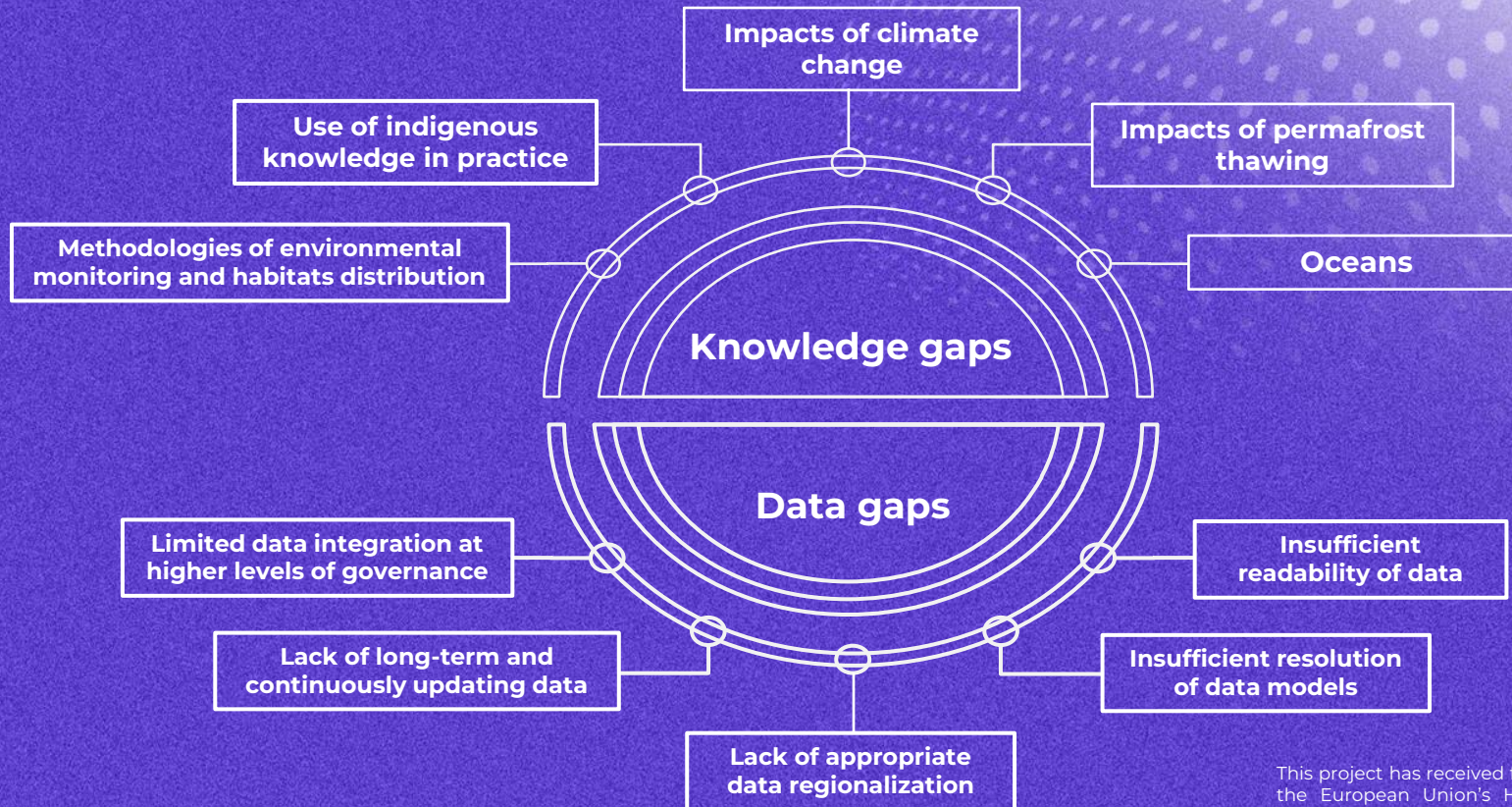
# Dialogue with decision-makers: Gaps in sub-nation decision-making



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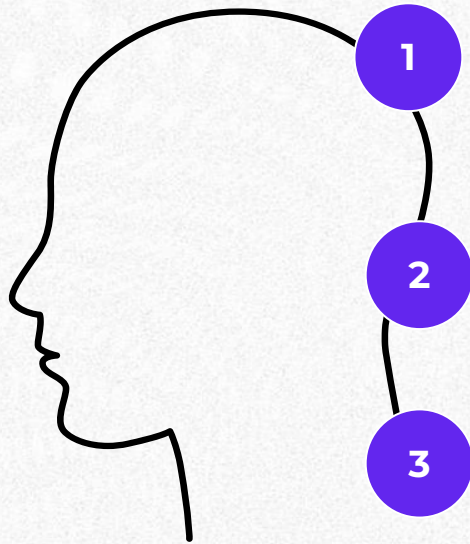
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# Sub-national data-driven decision-making: Cooperation approaches



**No  
cooperation**

Decision-making with the use of own local, regional or national data, without assistance

**Cooperation  
with private  
stakeholders**

Decision-making with the assistance of private consulting agencies

**Cooperation  
with public  
stakeholders**

Decision-making with the assistance of national scientific agencies, government, ministries

# Traditional knowledge in decision-making

## Experience

Governance structures and processes in North America appear to be often more experienced and exposed to working with traditional knowledge compared to the situation on the European side of the Arctic.

## Trust

Lack of trust and dedicated human, time and financial resources raises barriers on both sides.



## Difference

The two systems represent different ways of knowing, with TK being a holistic system anchored in community spirituality and history, and thus, specific TK insights may be misunderstood if not placed within this broader knowledge environment

## Methods

In some cases, there are no robust procedures and methodologies for bringing scientific and traditional knowledge together into subnational decision-making level.

# Workshop topics



## Sub-national data-driven decision-making

1. The current state of data-driven subnational policymaking in the circumpolar north

### Cooperation

2. Cooperation of national scientific agencies and regional/local administrations: role in data-driven policymaking

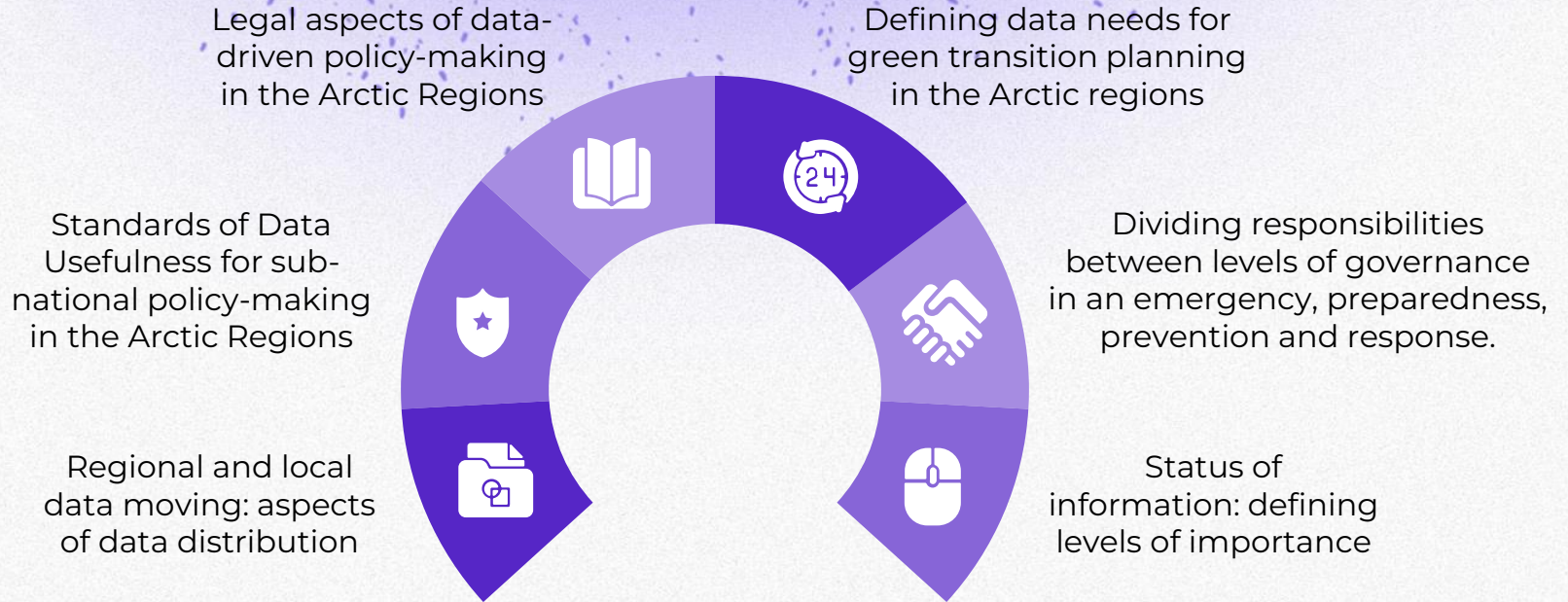
### Indigenous knowledge

3. Value of traditional knowledge in data-driven policymaking at the subnational level

### Data

4. Challenge of data readability or how to make data understandable for everyone





## Results: Potential topics for the future?

# Thank you

Do you have any questions?

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<https://www.arcticcentre.org/EN>