

# Drivers of change in the Nordic Arctic: Compiled keywords from nine exploratory scenario exercises 2015-2020

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Drivers of change in the Nordic Arctic. Compiled keywords from nine exploratory scenario exercises 2015-2020.pdf (257.62 KB)

Drivers of change in the Nordic Arctic. Compiled keywords from nine exploratory scenario exercises 2015-2020.xlsx (21.01 KB)

## Associated documentation

Gruvor-och-hållbar-utveckling-rapport-från-en-workshop-i-Kiruna-november-2019.pdf (566.08 KB)

Ilulissat scenario workshop report.pdf (428.86 KB)

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2021-323-1-1.zip (~1.24 MB)

## Citation

Nilsson, A. E. (2022) Drivers of change in the Nordic Arctic: Compiled keywords from nine exploratory scenario exercises 2015-2020 (Version 1) [Data set]. Luleå University of Technology. Available at: <https://doi.org/10.5878/4srs-fy44>

## Creator/Principal investigator(s)

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## Description

This data set is a compilation of keywords and key phrases provided in brainstorming sessions from nine scenario exercises. They scenario exercises were based on a method to develop so-called extended shared socio-economic pathways in local participatory settings (for details, see Nilsson et al. 2017). The approach includes asking the participants an open question: What future changes may influence this region economically, environmentally, and socially within the perspective of one to two generations? The question guided an initial brainstorming session in nine participatory scenario exercises that were conducted between 2015 and 2020, covering various local contexts across the Nordic Arctic. These were held in Sweden: Pajala, 2015 (Nilsson et al. 2015) and Kiruna 2019 (Nilsson 2020); in Norway: Bodø 2015 (van Oort et al. 2015), 2020, and Alta, 2018; in Greenland: Ilulissat, 2018 and Narsaq 2019; and in Finland: Inari, 2015. In addition, one workshop was conducted in Kirovsk, Russia (2015) (van Oort et al. 2015).

Nilsson, A. E. (2020). Gruvor och hållbar utveckling i norra Sverige - går det att förena? Rapport från

en workshop i Kiruna 6 november 2019 (No. RITA-ABE-RPT-207), Stockholm, Sweden: Avdelningen för historiska studier av teknik, vetenskap och miljö, KTH;

<https://www.rexsac.org/publications/gruvor-och-hallbar-utveckling-norra-sverige/>

Nilsson, A. E., Bay-Larsen, I., Carlsen, H., van Oort, B., Bjorkan, M., Jylha, K., Klyuchnikova, E., Masloboev, V., van der Watt, L.-M., van der Watt, L.-M., Bjørkan, M., & Jylhä, K. (2017). Towards extended shared socioeconomic pathways: A combined participatory bottom-up and top-down methodology with results from the Barents region. In *Global Environmental Change* (Vol. 45, pp. 124–132). <https://doi.org/10.1016/j.gloenvcha.2017.06.001>

Nilsson, A. E., Carlsen, H., & van der Watt, L.-M. (2015). Uncertain futures: The changing global context of the European Arctic. Report from a scenario workshop in Pajala, Sweden, 9-10 March 2015 (SEI Working Paper No. 2015-12), Stockholm: Stockholm Environment Institute.

van Oort, B., Bjørkan, M., & Klyuchnikova, E. M. (2015). Future Narratives for Two Locations in the Barents Region (No. CICERO Report 2015:06), Oslo, Norway: CICERO Center for International Climate and Environmental Research - Oslo; <http://hdl.handle.net/11250/2367371>

### **Data contains personal data**

No

### **Language**

[English](#)

[Swedish](#)

### **Unit of analysis**

[Geographic unit](#)

### **Population**

local and regional actors/stakeholders

### **Time Method**

[Other](#)

### **Sampling procedure**

[Other](#)

Local and regional actors were invited to participate in the scenario exercises or to workshop that included the scenario exercises as part of the program. The number of and the selection of participants varied across workshops.

### **Time period(s) investigated**

2015 – 2020

### **Data format / data structure**

[Text](#)

### **Data collection 1**

- Mode of collection: Compilation/Synthesis
- Time period(s) for data collection: 2015 – 2020
- Source of the data: Events/Interactions

### **Geographic spread**

Geographic location: [Arctic](#)

Geographic description: Sweden: Pajala and Kiruna. Norway: Bodø and Alta. Greenland: Ilulissat and Narsaq. Finland: Inari. Russia: Kirovsk.

### **Lowest geographic unit**

Municipality

### **Responsible department/unit**

Department of Social Sciences, Technology and Arts

### **Other research principals**

[Royal Institute of Technology](#)

### **Funding**

- Funding agency: NordForsk
- Funding agency's reference number: 76938
- Project name on the application: Resource Extraction and Sustainable Arctic Communities (REXSAC)

### **Research area**

[Social sciences interdisciplinary](#) (Standard för svensk indelning av forskningsämnen 2011)

[Social change](#) (CESSDA Topic Classification)

### **Keywords**

[Arctic](#), [Kiruna](#), [Ilulissat](#), [Drivers of change](#), [Scenarios](#), [Rexsac](#)

### **Publications**

Nilsson, A. E., Carlsen, H., & van der Watt, L.-M. (2015). Uncertain futures: The changing global context of the European Arctic. Report from a scenario workshop in Pajala, Sweden, 9-10 March 2015 (SEI Working Paper No. 2015-12), Stockholm: Stockholm Environment Institute.

Nilsson, A. E., Bay-Larsen, I., Carlsen, H., Jylhä, K., van der Watt, L.-M., & van Oort, B. (2017). Future narratives. In AMAP, ed., *Adaptation Actions for a Changing Arctic – Perspectives from the Barents Area*, Oslo, Norway: Arctic Monitoring and Assessment Programme (AMAP); <https://www.amap.no/documents/doc/adaptation-actions-for-a-changing-arctic-perspectives-from-the-barents-area/1604>

van Oort, B., Bjørkan, M., & Klyuchnikova, E. M. (2015). Future Narratives for Two Locations in the Barents Region (No. CICERO Report 2015:06), Oslo, Norway: CICERO Center for International Climate and Environmental Research - Oslo; <http://hdl.handle.net/11250/2367371>

Nilsson, A. E., & Sarkki, S. (2022). Scenarios and surprises: When change is the only given. In S. Sörlin, ed., *Resource Extraction and Arctic Communities: The New Extractivist Paradigm*, Cambridge University Press, p. \*\*\*-\*\*\*.

Nilsson, A. E., Bay-Larsen, I., Carlsen, H., van Oort, B., Bjorkan, M., Jylha, K., Klyuchnikova, E., Masloboev, V., van der Watt, L.-M., van der Watt, L.-M., Bjørkan, M., & Jylhä, K. (2017). Towards extended shared socioeconomic pathways : A combined participatory bottom-up and top-down methodology with results from the Barents region. In *Global Environmental Change* (Vol. 45, pp. 124-132). <https://doi.org/10.1016/j.gloenvcha.2017.06.001>

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<https://www.rexsac.org/publications/gruvor-och-hallbar-utveckling-norra-sverige/>

If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

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Access to data through SND

Data are freely accessible

### **Use of data**

[Things to consider when using data shared through SND](#)

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### **Versions**

Version 1. 2022-01-19

### **Homepage**

[REXSAC](#)

### **Contact for questions about the data**

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