

Presentations from Levi 2018 SAO Meeting

2018

Arctic Council

Arctic Council Secretariat

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EXPLORING
COMMON
SOLUTIONS

FINLAND'S
CHAIRMANSHIP
2017-2019



Arctic Resilience Forum

10-11th September 2018 Rovaniemi

Saara Lilja-Rothsten
Ministry of Agriculture and Forestry

SAO-meeting
22nd March Levi

25.3.2018



SDWG project: Arctic Resilience Action Framework (ARAF) implementation

The Arctic Resilience Action Framework (ARAF) is an organizing framework, to improve coordination and enhance shared learning using the resilience approach as a tool.

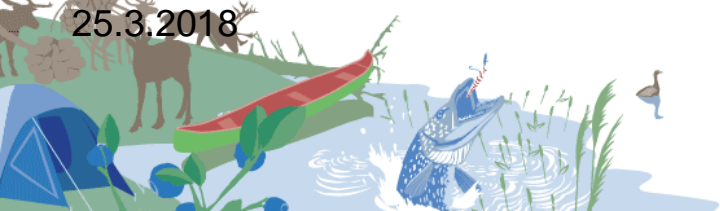
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Activities in ARAF

- 1. Identify actions that are taken by Arctic Council States, Permanent Participants, and WGs, in 2017-19, that build resilience; Sarah Abdelrahim, USA**
- 2. Develop a catalog of protocols and indicators that can measure progress towards building resilience; Marcus Carson, Sweden**
- 3. Plan an Arctic Resilience Forum Sept. 10-11, 2018 in Rovaniemi, Finland, Saara Lilja-Rothsten, Finland**
+Arctic Council Anne Birgitte Hansen & SDWG Bernard Funston

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Definition of Resilience

Resilience is the ability of a system to bounce back and thrive during and after disturbances and shocks

(Arctic Resilience Action Framework, 2017)

**In the First Resilience Forum 10.-11.9.2018
the focus is Climate Resilience**

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Resilience work in the Arctic Council

- Resilience is a cross-cutting issue that is increasingly important for the Arctic Council.
- **A resilience approach** emphasizes interlinked social-ecological systems; interdisciplinary collaboration;
- the integration of scientific disciplines and knowledge and learning systems
- interactions across local, regional, national and international scales
- bridging of knowledge, policy and practice

-> **collaboration**

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The aims of the Arctic Resilience Forum

- To create the conditions to strengthen resilience and adaptability of actors in the Arctic regions
- Disseminate best practices and tools for adapting to climate change and to manage climate and weather related impacts, and other risks that are posed by a rapidly changing Arctic

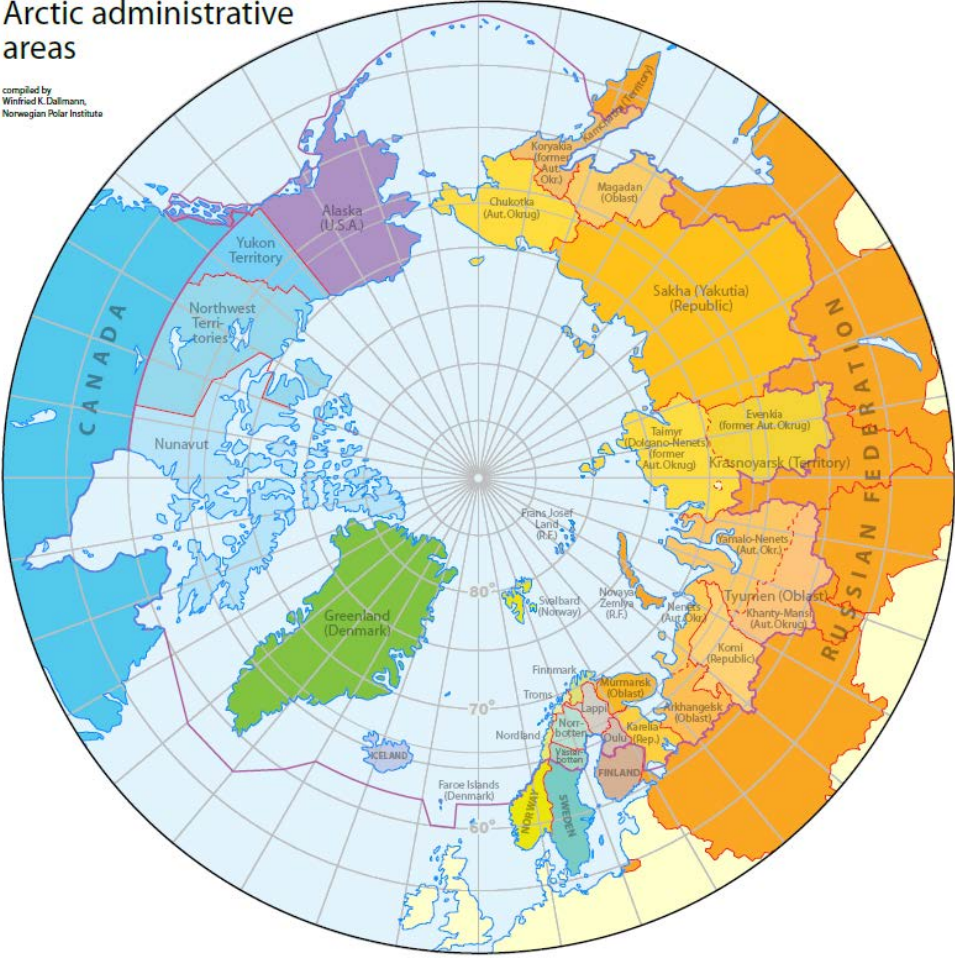
-> To form a better understanding of concrete best practices and cooperation possibilities connected to Arctic resilience

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Arctic administrative areas

compiled by
Winfried K. Dallmann,
Norwegian Polar Institute



Resilience is vital in the arctic areas

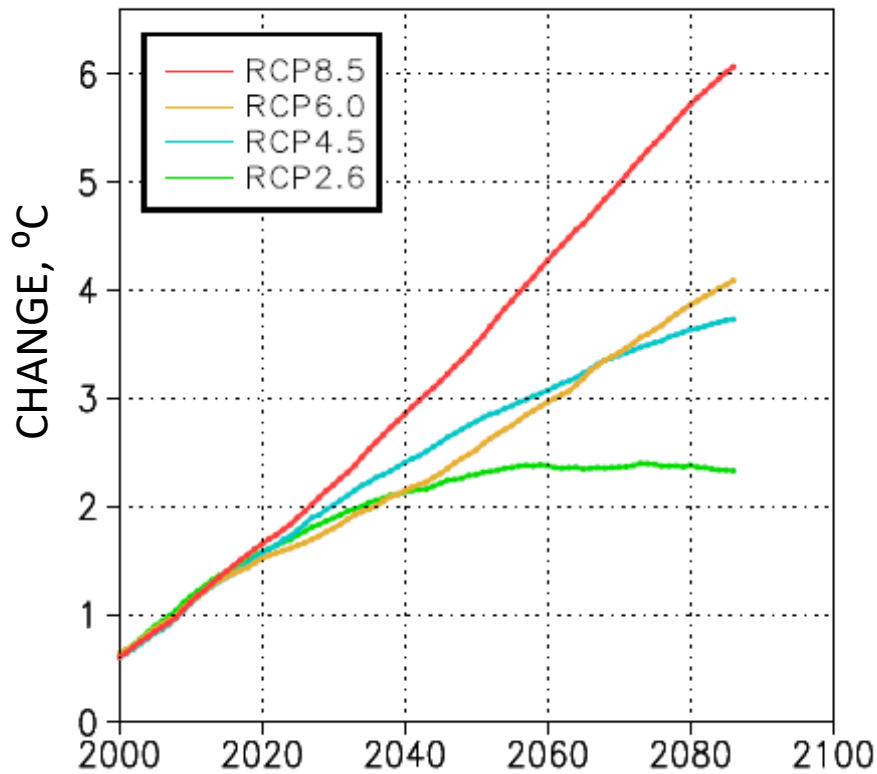


 **mmm.fi**
ruokaa ja luonnonvaroja

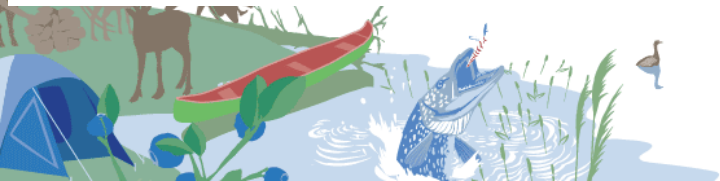
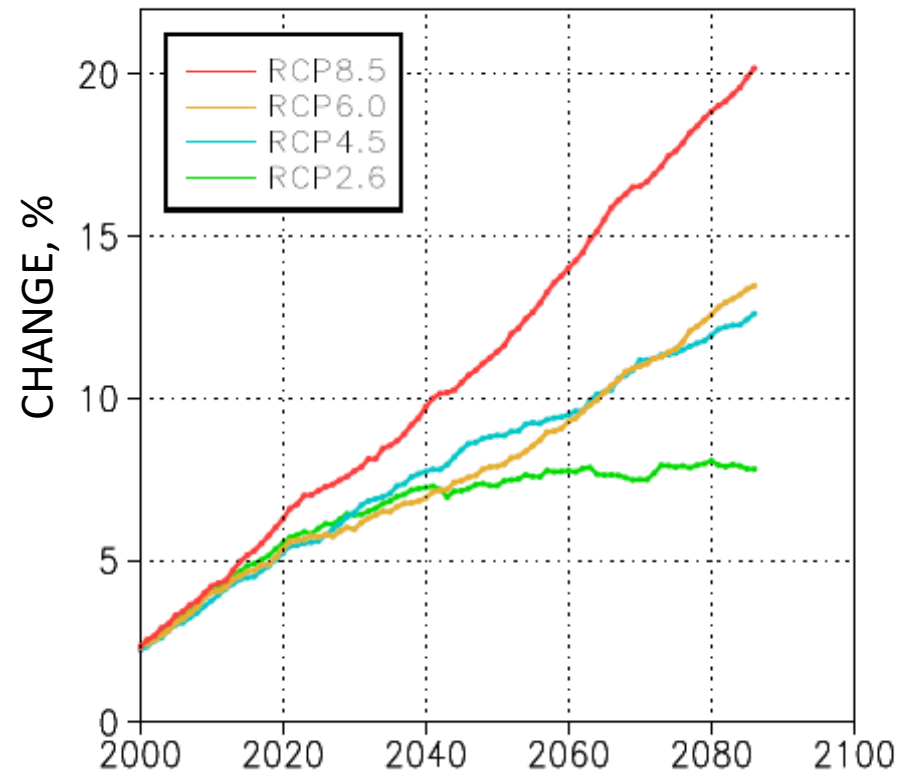


The temperature rise in Finland is above the rise in the global mean temperature

ANNUAL MEAN TEMPERATURE, FINLAND

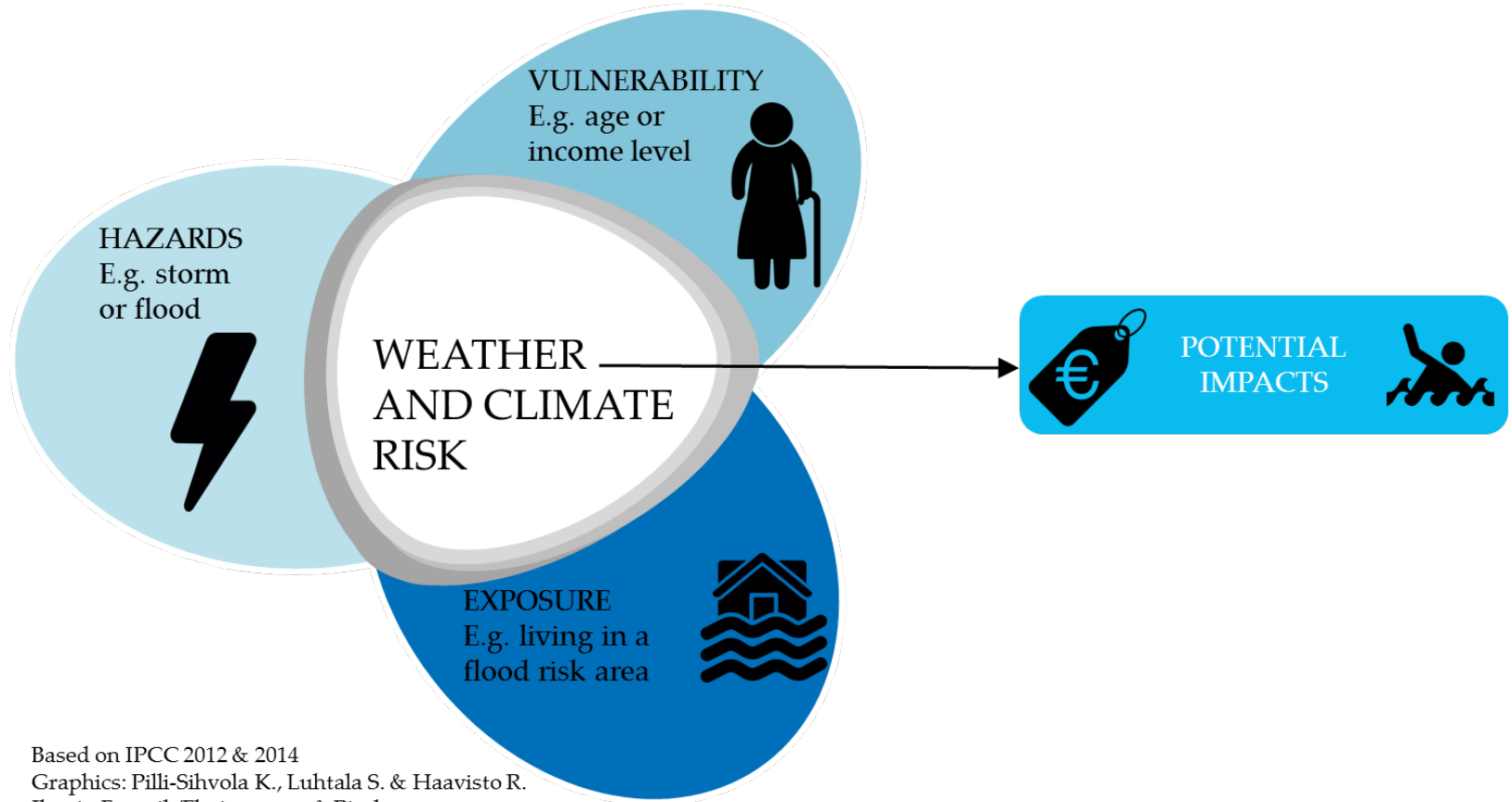


ANNUAL MEAN PRECIPITATION, FINLAND





Weather and climate change related risks: key concepts



Based on IPCC 2012 & 2014

Graphics: Pilli-Sihvola K., Luhtala S. & Haavisto R.

Ikonit: Freepik/Flaticon.com & Pixabay.com.



Examples of weather and climate risks in Finland

Strong winds/
storms



Heat
waves



Heavy
rains



Heavy
snowfall



Freezing
rain



HAZARD

Property
damage



Heat
stress



Flood
damage



Forest
damage



Power
cuts



IMPACT



Preparations of the Resilience Forum

- **Co-lead team** (USA; Sweden, Finland and secretary of AC & SDWG)
- **ARAF implementation team** teleconference (PPs & countries)
- **REAL-platform** open for ARAF-implementation team (PPs, WGs, countries) -> to collect feedback
- **Arctic Centre and Gaia Consulting** team support the preparations
- **Levi meetings 20-22 March 2018:** feedback and discussions

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The Arctic Resilience Forum in Rovaniemi Finland 10.-11.9.2018

The aim of the 2-day Forum is to form a better understanding of concrete best practices and cooperation possibilities connected to Arctic resilience.

First day: Open seminar for larger audience

- Resilience experts and practitioners from international, national, and sub-national level together with key policy makers and stakeholders from Arctic countries and various societal sectors

Theme: How to build Arctic resilience – sharing of good practices

Second day: Workshop

- Primarily dedicated to the Arctic Council's working groups and other key Arctic stakeholders with the focus of discussing how climate resilience work of the WG's can be supported and strengthened.

Theme: Strengthening climate resilience through Arctic Council Working Groups – good practices and the way forward

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Sessions in the Arctic resilience Forum

1. Analyzing and Understanding Risk and Resilience in the Arctic
2. Building Resilience and Adaptation Capacity
3. Implementing Measures that Build Resilience through Policy, Planning and Cooperation
4. Encouraging Investment to Reduce Risk and Build Resilience.

Arctic Resilience Action Framework 2017 Priority areas

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Feedback from the WGs, PPs and states

Levi 21.3.2018

- Good possibility to present ongoing actions that strengthen resilience
- WGs would appreciate support in considering which current activities best align with resilience efforts and how resilience can reinforce their current work
- Possibilities for cooperation and identifying synergies are welcomed
- Main aim to build consensus possible actions that carry forward our shared sustainability goals

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Best practices to strengthen resilience

- any kind of actions to strengthen resilience
- ongoing projects
- set of actions (pilot or ongoing programs)
- good examples of activities that build resilience

-> from States, PPs and WGs + Observers

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Prestudy: Arctic resilience – Best practices

DRAFT

Arctic Centre of the University of Lapland and Gaia Consulting

- **Climate education and awareness with an Arctic touch**
- **Empowerment of indigenous people** (Strengthened fate control and protection of indigenous peoples' rights)
- **Flood protection** (Comprehensive approaches to manage flood risks)

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The Arctic Spatial Data Infrastructure (SDI) to strengthen resilience

The Arctic Spatial Data Infrastructure (SDI) provides tools for data distributors and end users, ensuring that geospatial data is easy to access, validate and combine with other data.

Finland will strive for wider utilization of Arctic SDI among the Working Groups of Arctic Council.

-> to strengthen resilience

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Thank you

- Comments/feedback
Saara.lilja-rothsten(@)mmm.fi

#sliljaro



Finland's National
Climate Change
Adaptation Plan 2022



5b2014

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