

EXPLORING  
COMMON  
SOLUTIONS

FINLAND'S  
CHAIRMANSHIP  
2017-2019



# The 1<sup>st</sup> Arctic Resilience Forum

10-11th September 2018 Rovaniemi

## Lessons learned (preliminary)

Saara Lilja-Rothsten

Ministry of Agriculture and Forestry

23.10.2018



# Thank you for the enthusiasm in the Resilience work 2017-2018

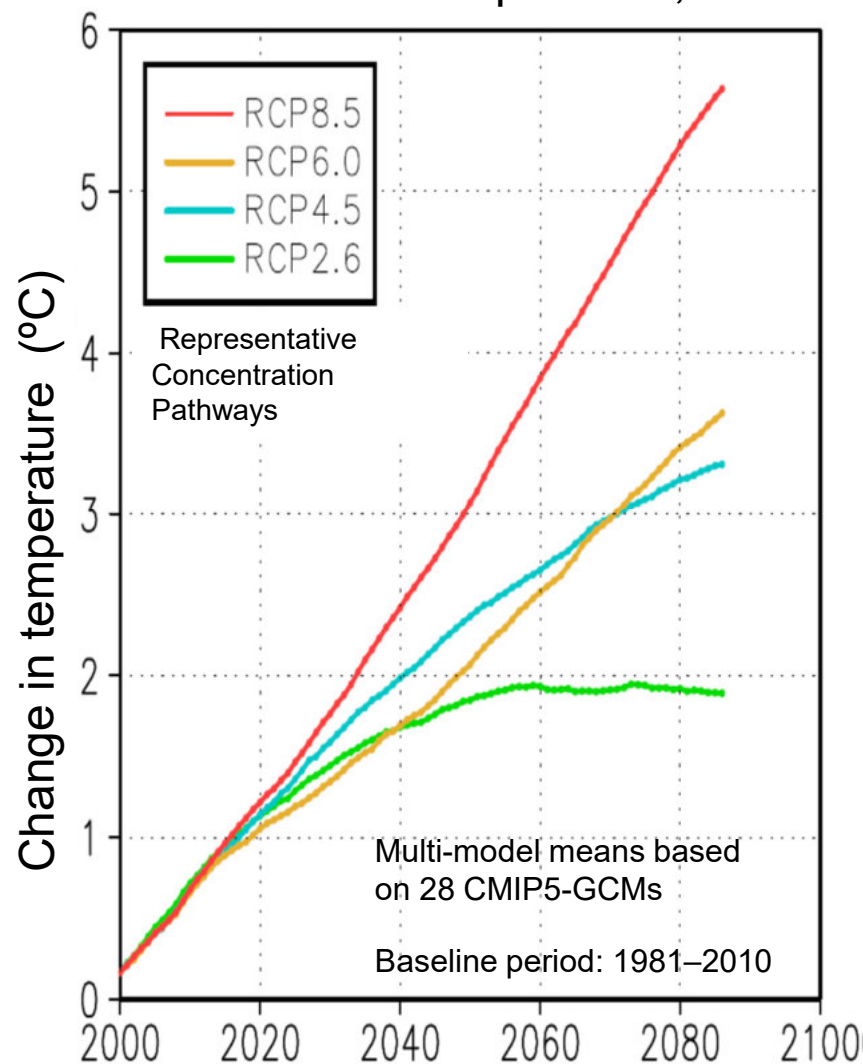
- Sweden
- USA
- Arctic Council secretariat
- ARAF Implementation team incl. all countries
- Gaia Consulting & ME studio
- Arctic Centrum
- WGs
- PPs
- Observers

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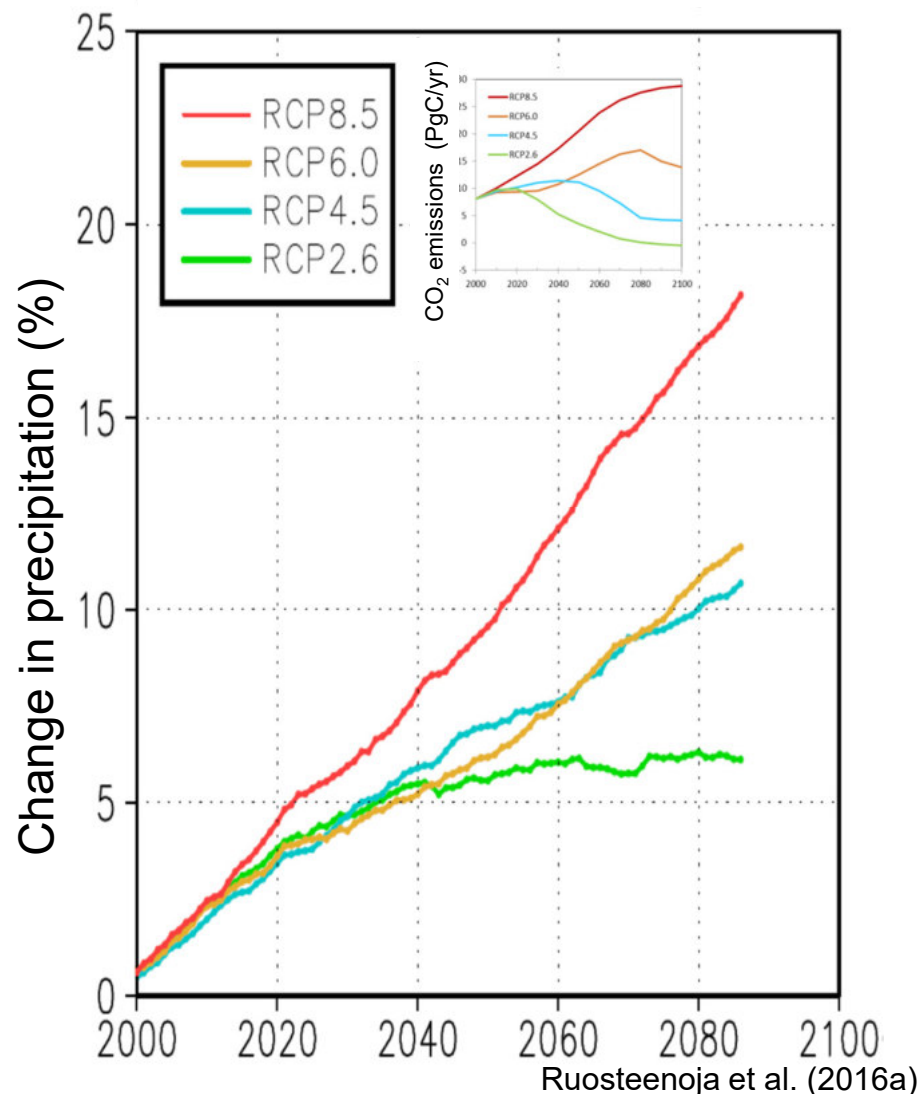


# Climate resilience is essential: Climate change scenarios for Finland

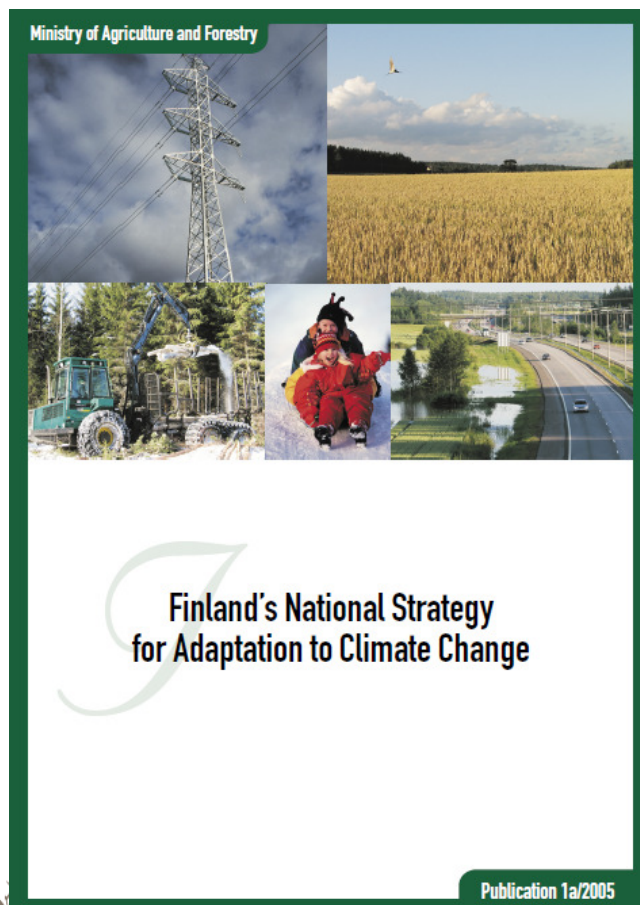
Annual mean temperature, Finland



Annual precipitation sum, Finland



# Finland's National Strategy for Adaptation to Climate Change already 2005 -> NAP 2014 Risks & Solutions



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Tuomo Mikkonen/Forest Centre

Resilience is the ability of a system to bounce back and thrive during and after disturbances and shocks (Arctic Resilience Action Framework, 2017)

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# Resilience is a key element in three recent international agreements

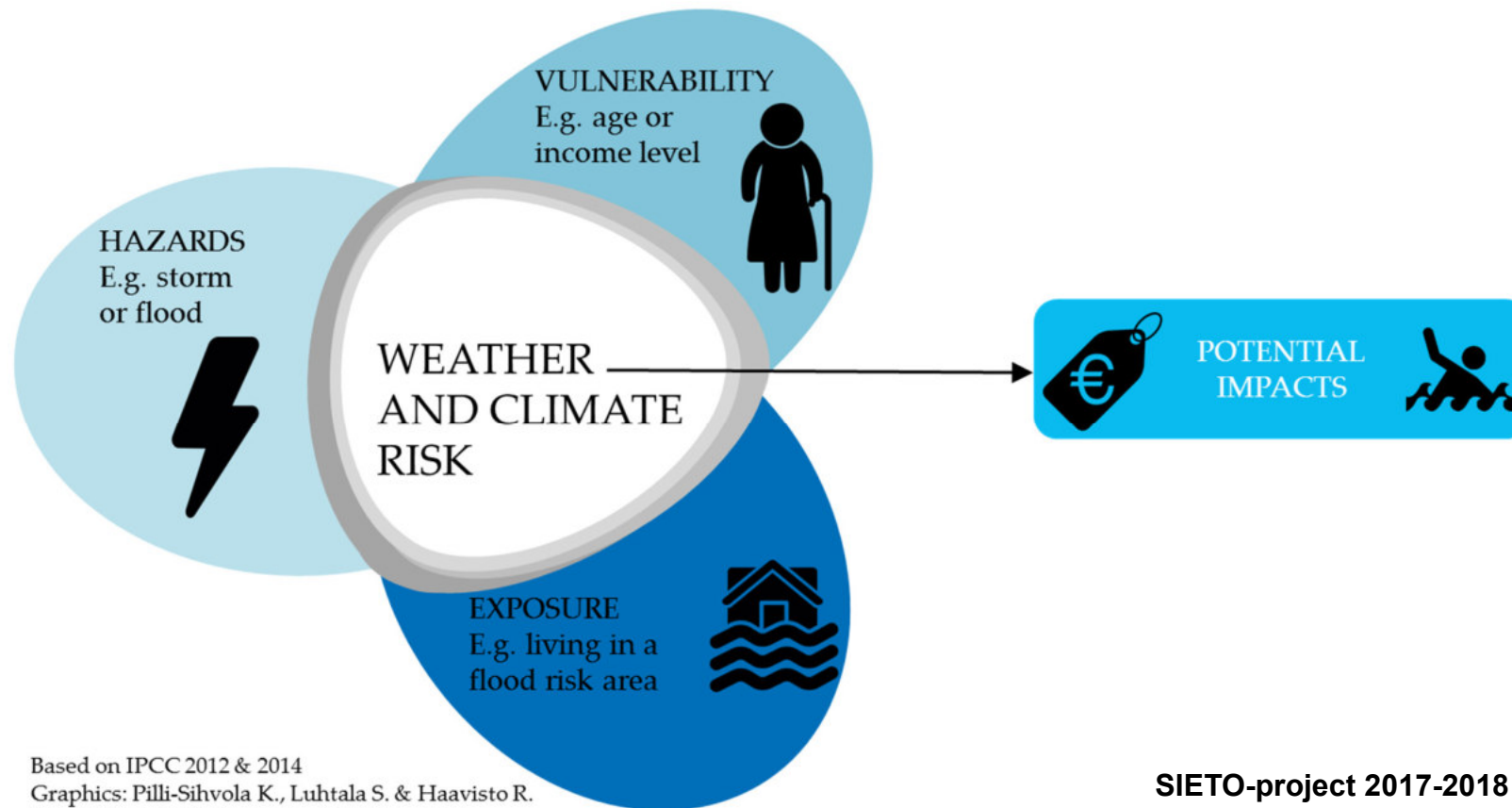
- Sustainable Development Goals and 2030 Agenda
- Paris Agreement on Climate Change (mitigation & adaptation)
- Sendai Framework for Disaster Risk Reduction

-> They agreements are highly relevant for the Arctic region





# Resilience is the glue against the risks: Weather and climate change related risks

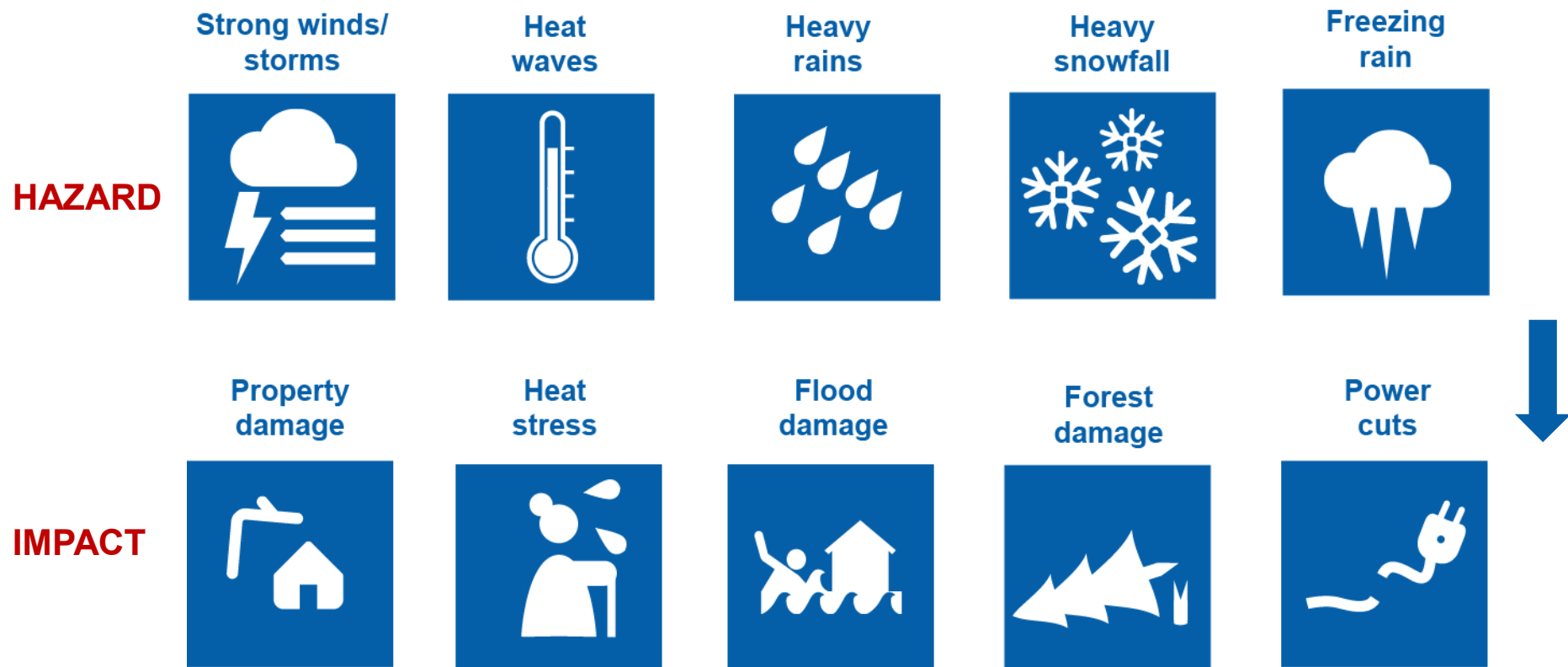


Based on IPCC 2012 & 2014  
Graphics: Pilli-Sihvola K., Luhtala S. & Haavisto R.  
Ikonit: Freepik/Flaticon.com & Pixabay.com.

SIETO-project 2017-2018

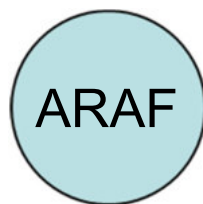


## Resilience increases understanding and awareness



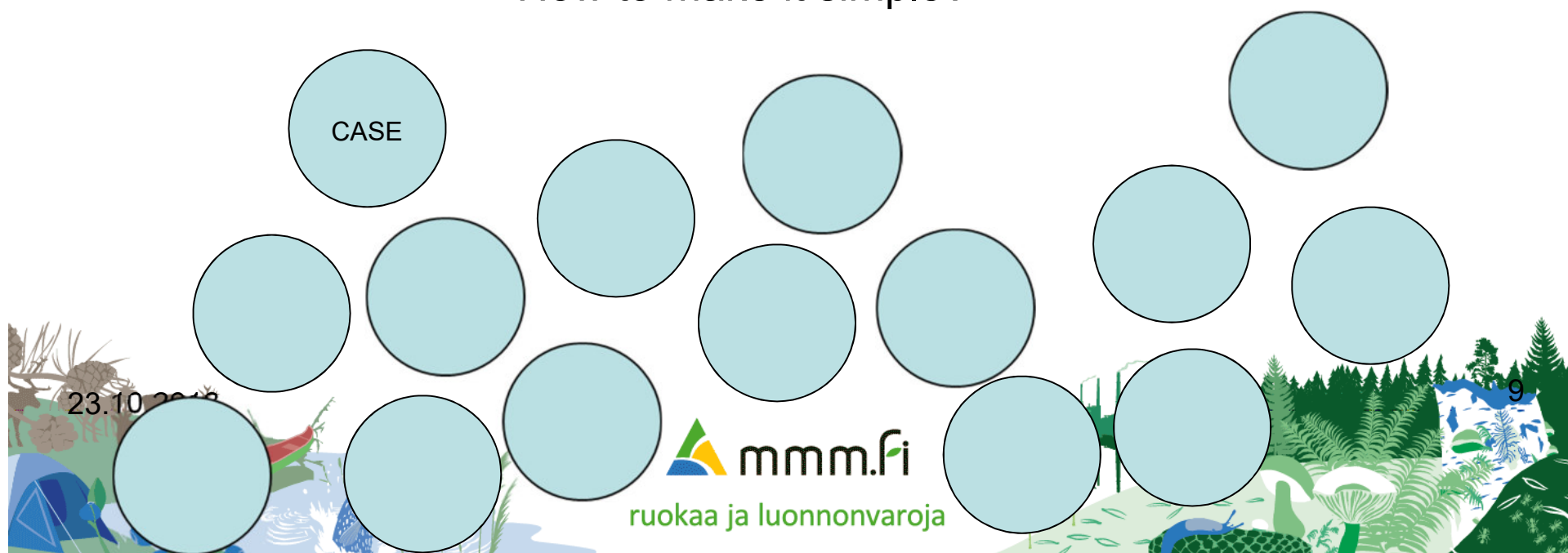


# We need examples for understanding the ownership



Arctic Resilience Action  
Framework  
sosio-ecological framework

How to operationalize?  
How to make it simple?



# Prestudy: Arctic resilience – Best practices from Finland

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)





# The aim of the forum was to keep it simple

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Sustainable Development  
Working Group

 Ministry for Foreign  
Affairs of Finland

-> to form a **better understanding** of the opportunities for cooperation connected to Arctic resilience and to showcase and learn from **concrete best practices** in the region with a particular focus on climate resilience to strengthen climate **resilience by climate adaptation and mitigation actions**



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## Arctic Resilience Forum for the engagement

100 Arctic experts, Arctic Council States, Working Groups, Permanent Participants, Observers, NGO's, regional and local stakeholders, academia, industry, policymakers, a side-event targeted at local youth





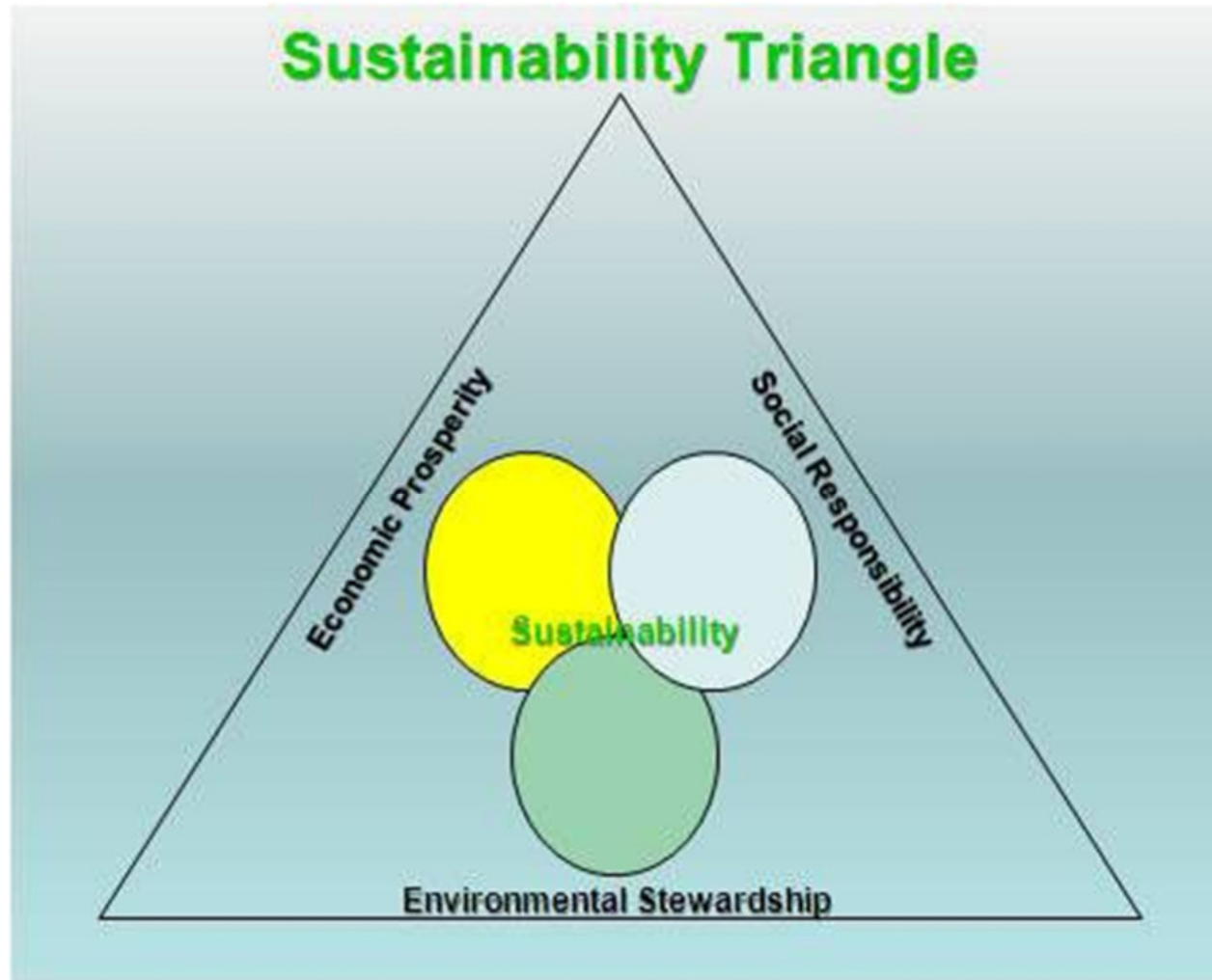
# Sessions in the Arctic resilience Forum

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



# Resilience goes hand by hand with the sustainability



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# Targets for the year 2018:

## resilience all around



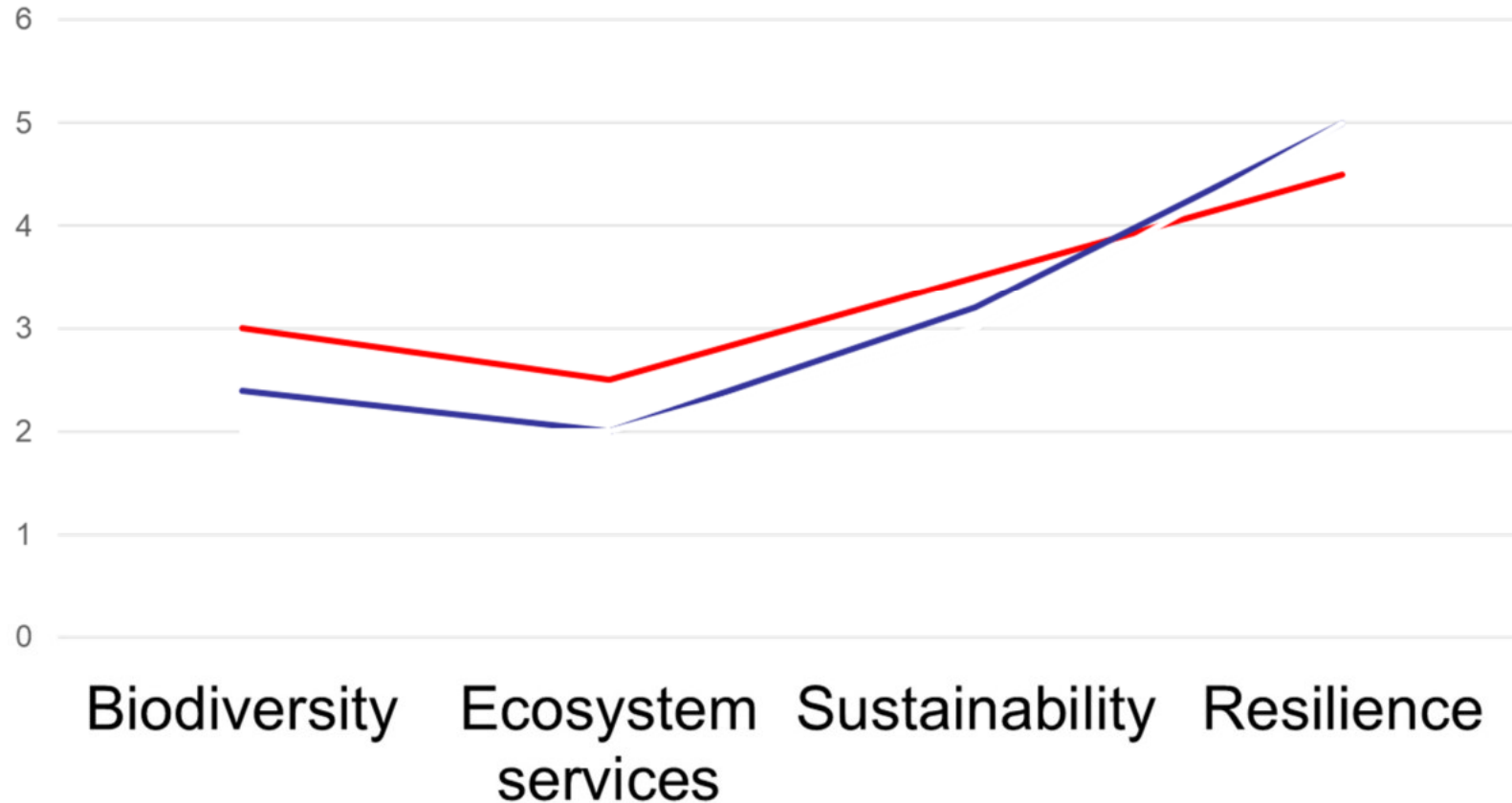
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# My personal learning from The 1st Arctic Resilience Forum: Succession of concepts in human and nature interactions



— Awareness — Risk assessment

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Lilja-Rothsten 2018 draft

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# Resilience increases wellbeing

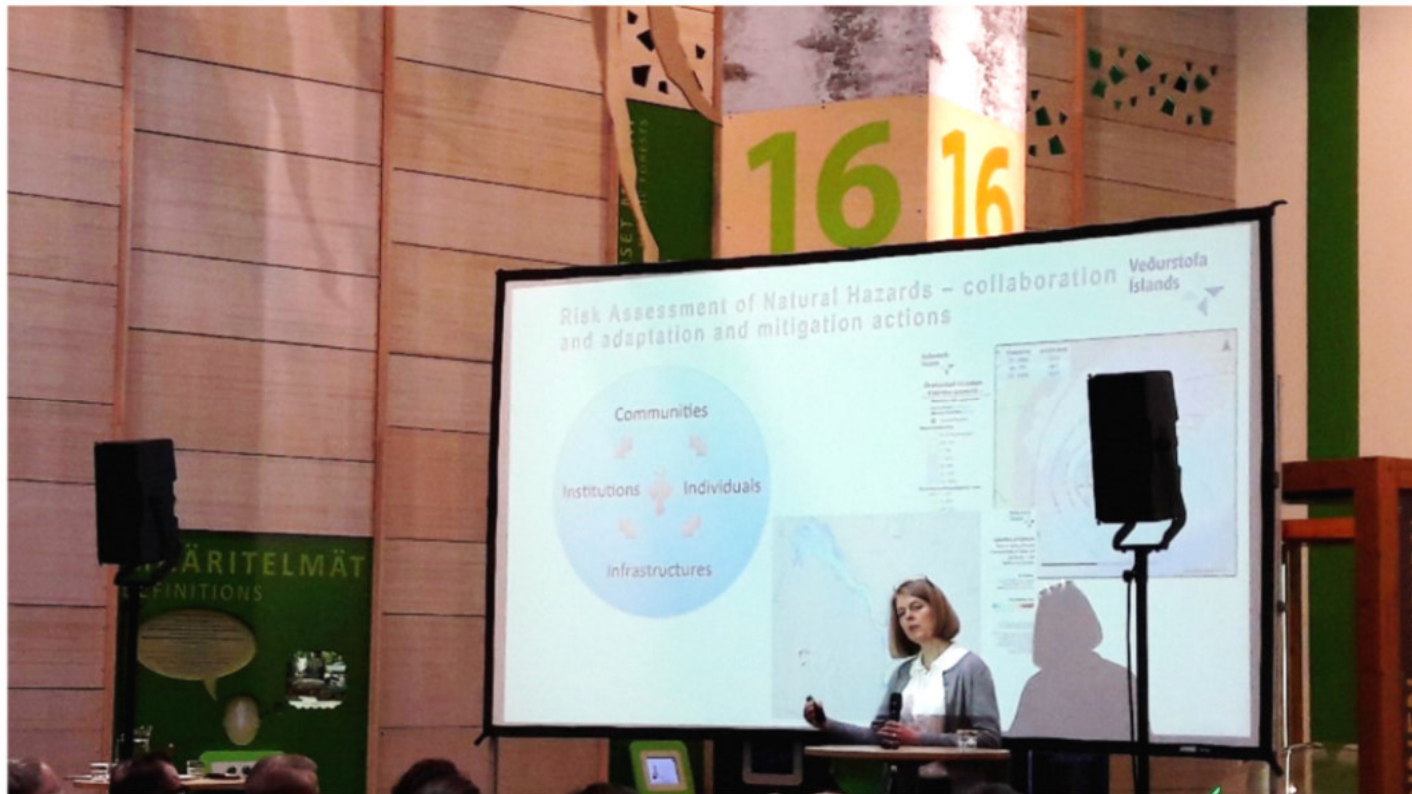


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# Science to practice

- Hydro-meteorological-data and knowledge to strengthen vulnerability (local and indigenous people)



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# Lessons learnt: How to be more stronger – more resilient (against climate change)

- By shairing (collaboration)
- By discribing the problem (story telling)
- Multidisciplinary
- Flexilibility
- Bottom-up approaches (community –states)
- Concrete actions - agency



# We need solutions to enhance resilience



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## Ways forward to strengthen resilience

- Rise the **awareness of risks** (climate change mitigation and adaptation)
  - Bridging of knowledge, policy and practice -> **collaboration**
  - **Hydro-meteorological data** to the decision making against vulnerability to governmental, regional, local and indigenous
- 
- The final report of the Forum will be published on 30 October 2018 and it will be available on the [ARAF webpage](#) on the SDWG website.
  - The [presentations of the Forum](#) are available on the ARAF webpage on the SDWG website.





Comments/feedback

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