

Looking with binoculars on the sustainable development in the arctic:

opportunities and challenges arising from the conceptual framework of the Agenda2030

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Among the regions, the Arctic region is unique in its ability to implement the SDGs

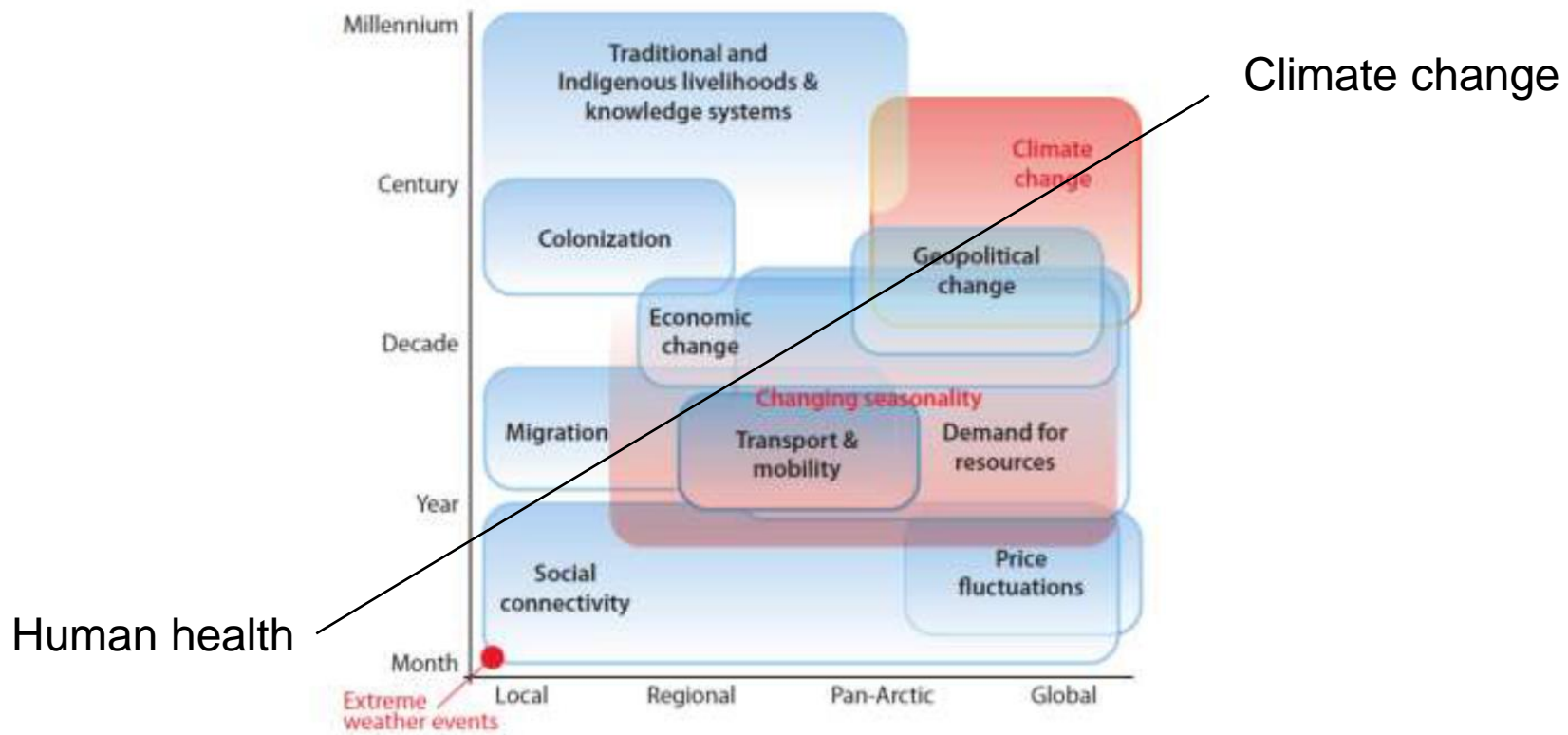
- **Not perfect, but all the opportunities are here**

- the long history of working on shared challenges towards common goals
- institutions, AC
- governments and indigenous groups
- public private partnerships
- working with local communities
- collaborating with non-arctic countries
- solid science collaboration
- strategies, but also action plans and implementation
- communication within the area, reports but also platforms

EU-Arctic high level forum: Arctic to a laboratory for implementing the SDGs ...as a framework and not as separate SDGs

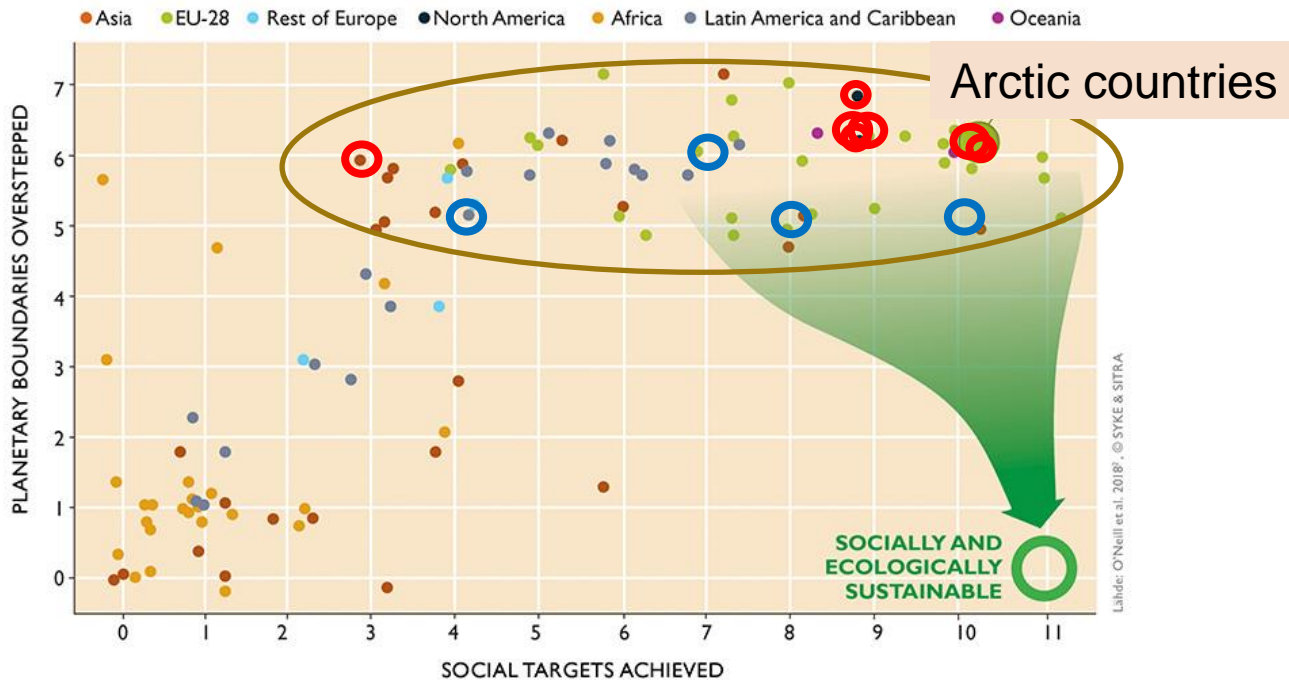
...but before you can be a model to others, you need to be sure there is a good model to offer

Multiple forces and timescales in consideration of climate change impacts on human health in the Arctic



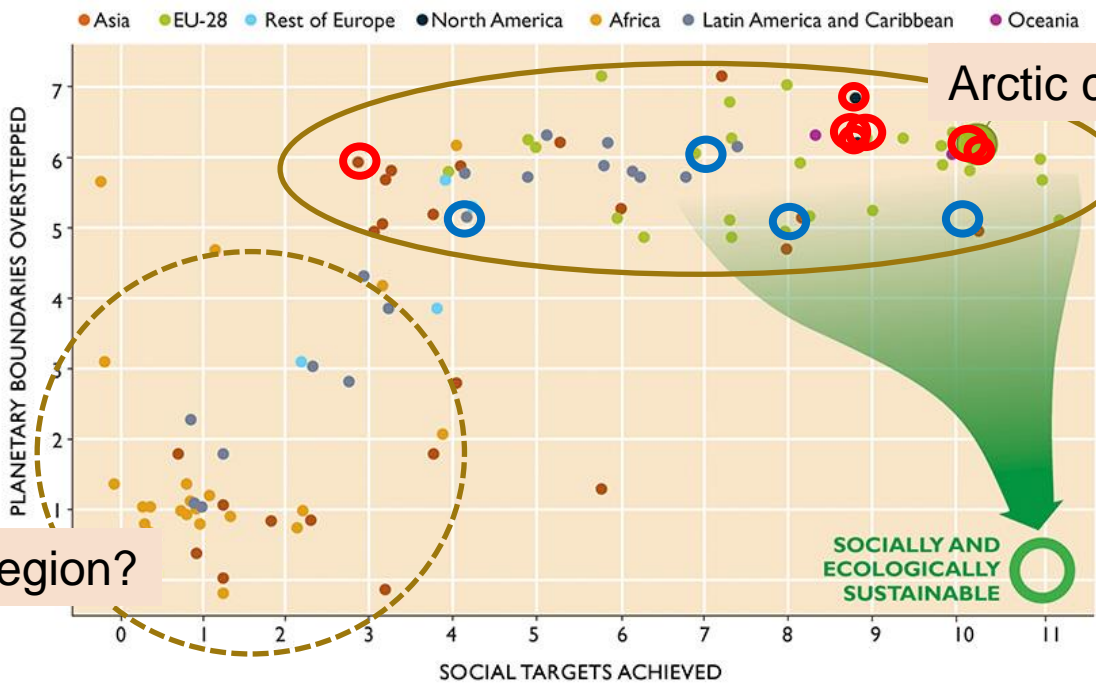
Not a single country has achieved a high level of well-being in an ecologically sustainable way

- Arctic council members
- Arctic council observers

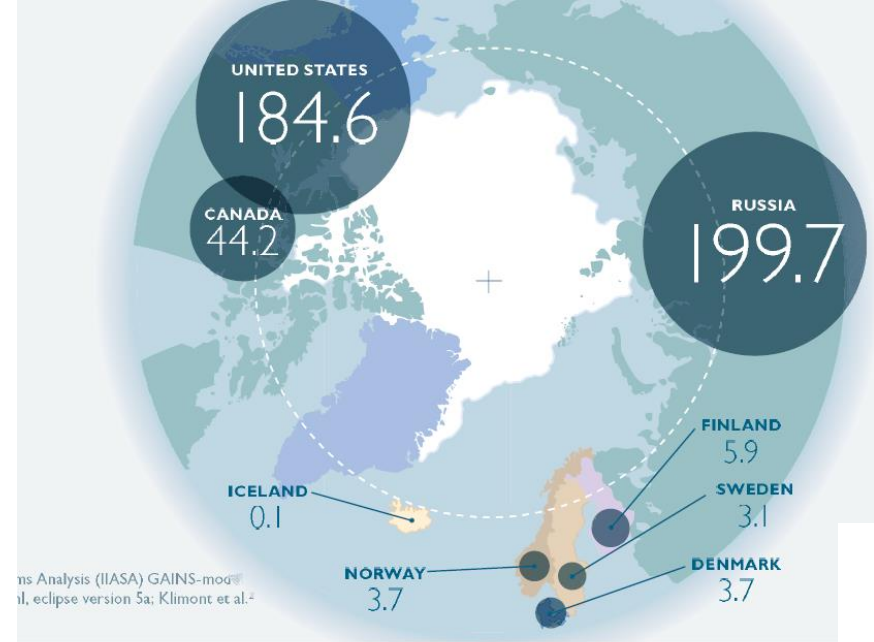


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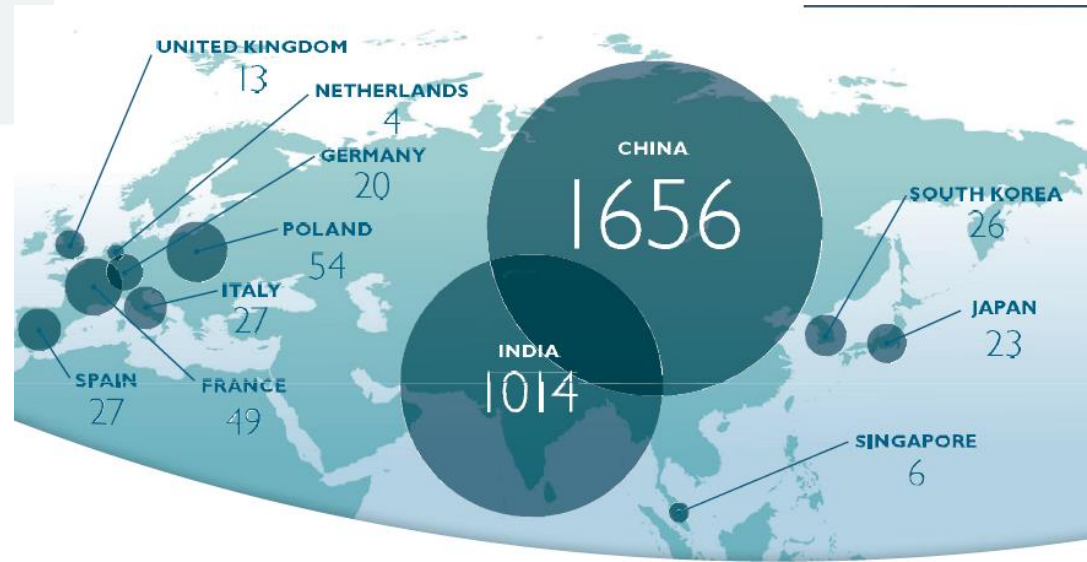


Lähde: O'Neill et al. 2018, © SYKE & SITRA



← Black carbon emissions from AC members and

AC observers



Window for transformations

- **wake the arctic governments:** spillovers, justice (arctic as a laboratory of sd?)
- **open for observer countries** wanting to be part (jointly agreed rules)
- **give ownership** to business communities, local communities, indigenous organisations; not only participation (co-creation of arctic and global rules for sustainable governance)
- **get interested** in the rest of the world: outside Arctic networks, businesses, communities, policy makers potential for sharing, learning, experimentation (radical innovations)
- **check policy coherence:** Policy framework to be checked, within the area and beyond (pathways towards sustainability broader than single SDGs, societal actions like food, livelihood, energy)

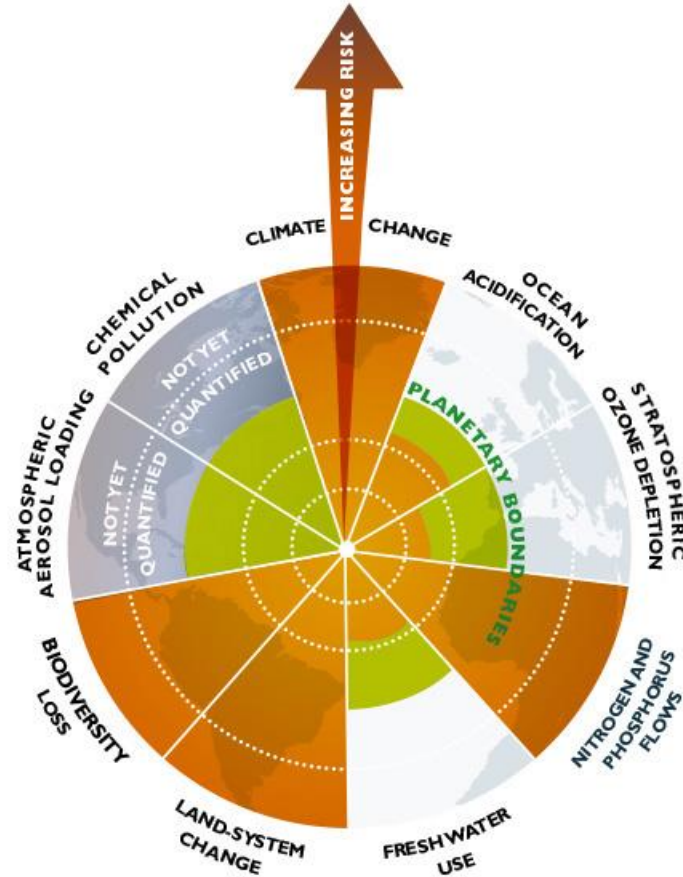
Window for transformations

- **From indicators** towards scenario-building, innovation and experimentation
- **Adaptation for transformation:** where resilience and where transformation is needed?
 - Language, culture, community connectivity, intergenerational links?
 - But: livelihoods, how we live, move, what we eat, where we get the energy need to change:
 - **Motivate, incentives, possibilities** for local level actions (communities, businesses, managers)
- **Open up;** Telling, showing and sharing written/visual material is good but not very effective: work/experiment together with actors; give tools for others to experiment new ways of doing things

Planetary boundaries are already partly overstepped

Respecting the limits of the earth is a prerequisite for the well-being of humanity

but the world is messy...



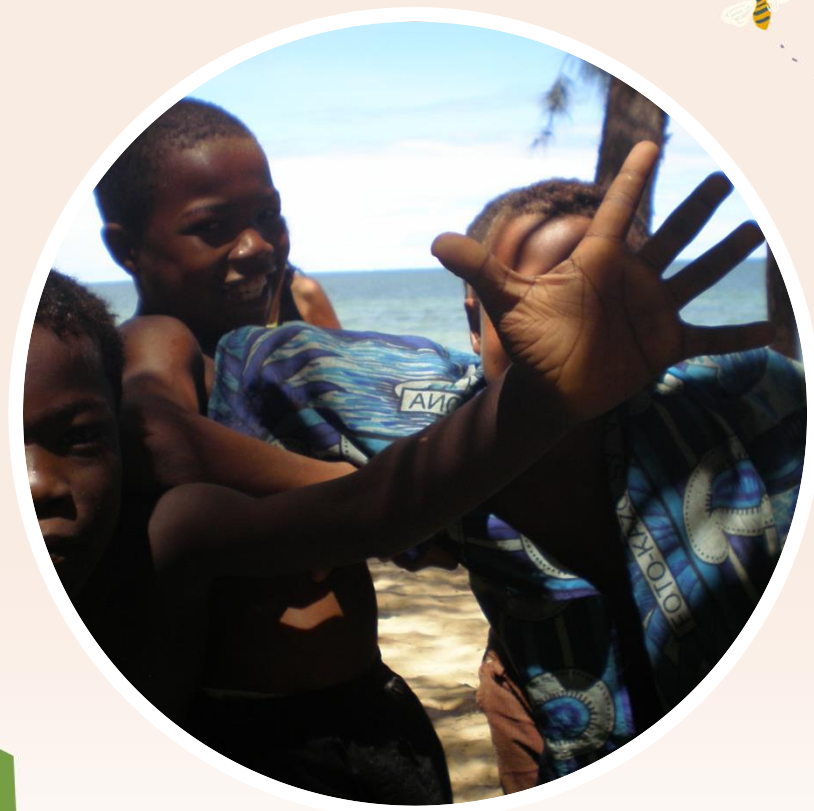
Research needs for change

- Interlinked challenges
- Flows within but also between arctic and beyond
- Inclusiveness: transdisciplinarity
- Focus on solutions: resilience or transformation?
- Focus on future: alternative pathways
- Collaboration: co-creation with communities, businesses, managers, policy makers
- Experimentation: risk taking, learning from mistakes

Pathways needed for main societal activities such as food, energy and urbanisation

Thank you

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