

Improved safety and environmentally sound operations in the Arctic Ocean

Topic 1: How can improved operational weather and ocean (including sea ice) as well as climate forecast support for safer operations in the Arctic?

Topic 2: Is co-developing new services, products and technologies for safe operations and improved joint monitoring in the Arctic Ocean the way forward for improving cooperation between ship operators, research institutions and local communities?

Topic 3: How can we reduce the overall environmental footprint and prevent negative environmental impacts in the Arctic?



Adapting to extreme weather events



Can we expect a Polar Low on this transit?

Should we re-route to avoid bad weather?

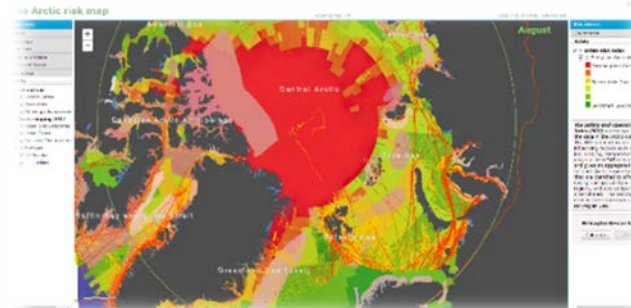
AHI image captured by the Japan Meteorology Agency's Himawari-8 satellite SSEC/CIMSS, University of Wisconsin-Madison

Co-design with end-users

Scoping of stakeholder and end-user requirements

Co-development of climate services

Dissemination of products/end-user workshop on polar lows prediction



Contributing to reduced emissions from shipping



Fishing vessels operating near Bjørnøya

Aligning with the SDGs

Business climate action refers to the actions taken by business to responsibly manage the risks of climate change

Key enablers:

- Commitment to the UN Sustainable Development Goals and the Paris Agreement
- Integration of climate risks and opportunities into sustainability strategies and action
- In the strategy process, recognize social and environmental drivers to sustainable practice
- Involvement of users, stakeholders, communities, and business in the design of experiments
- Bilateral transparency between government, society, research, and business



The resilience of an organization is interlinked with the resilience of its societal context



Photo credit:
Kathryn
Hansen/NASA

Thank you!

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