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THE CHANGING ARCTIC – NORWAY AND ESTONIA 14.04.2021

Recent Arctic winter sea ice loss has been most pronounced in the Barents Sea





Toward an ice-free Barents Sea





Toward an ice-free Barents Sea

















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Implication:

Changes in dense bottom waters





Implication: Borealization of the Barents Sea





Future Atlantification of the Arctic Ocean









The Nansen Legacy addresses physical and human impact on the living Barents Sea to understand the present and increase predictive capabilities

10 collaborating Norwegian institutions, broad international cooperation







The Nansen LEGACY looks interdisciplinary on the ecosystem of the Barents Sea and adjacent Arctic Basin



Uses climatic gradients to investigate:
Physical-biological interactions
Ecosystem characteristics, timing, productivity
Contaminants, acidification, effects of fisheries
Use and development of new technology



THANK YOU FOR YOUR ATTENTION!



