

# The Future of Arctic Coastal Ecosystems



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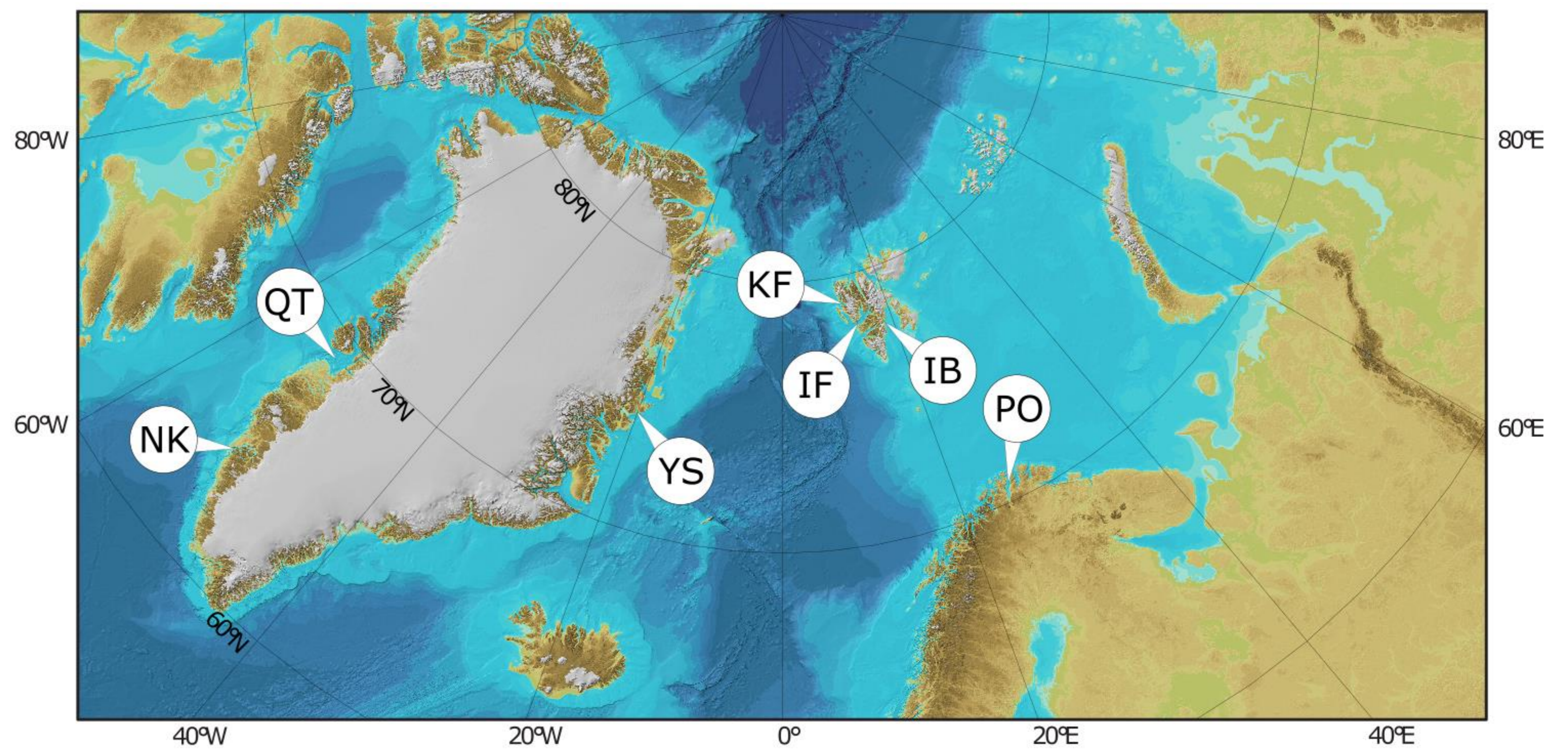
FACE-IT: The **F**uture of **A**rctic **C**oastal **E**cosystems - **I**dentifying **T**ransitions in fjord systems and adjacent coastal areas

This Horizon 2020-funded project aims to enable adaptive co-management of social-ecological fjord systems in the Arctic in the face of rapid cryosphere and biodiversity changes.

## Research Approaches

- comparison of fjords and adjacent coastal areas under different degrees of cryosphere loss
- integration of time-series and experimental research into modelling
- emphasis on co-production of knowledge to develop adaptive co-management strategies for socio-ecological fjord systems to safeguard local coastal livelihoods in times of rapid change

## Stable Arctic vs. fjords in transition vs. future Arctic



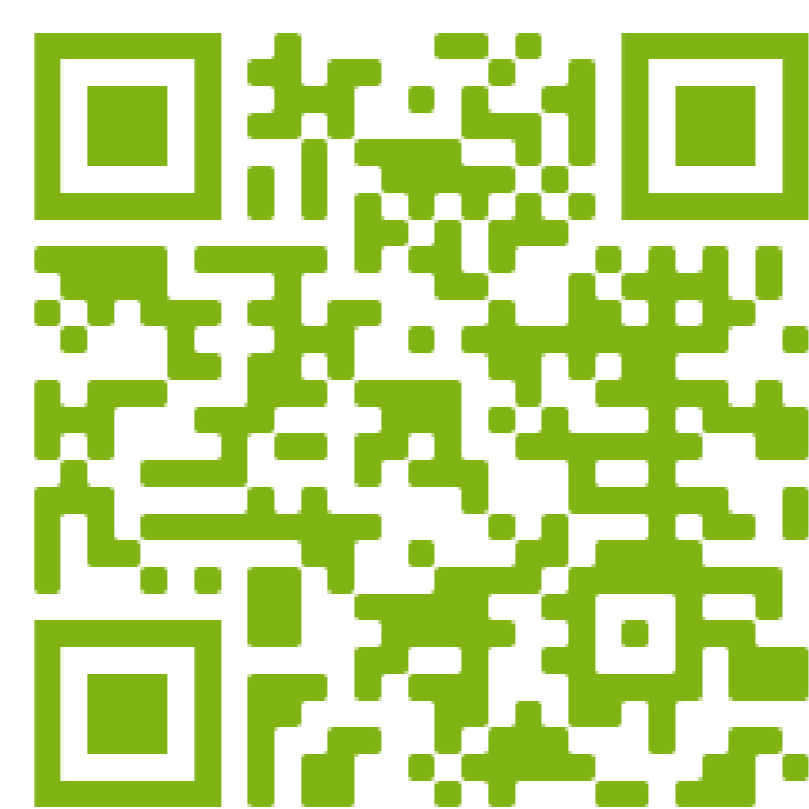
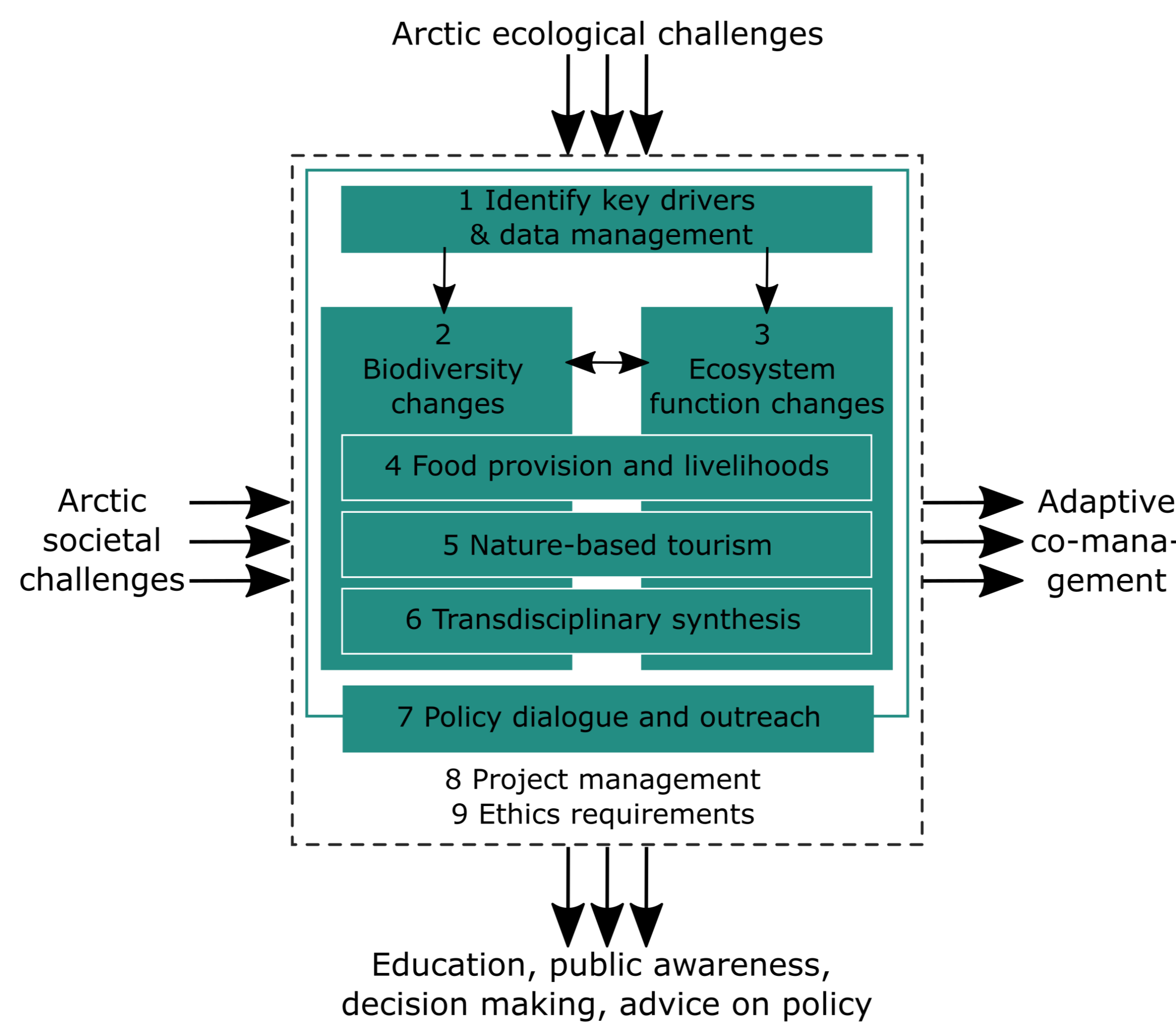
- stable high-Arctic fjords: Qeqertarsuup tunua (QT), Young Sound (YS), Inglefieldebukta (IB)
- fjords in transition: Nuup Kangerlua (NK), Kongsfjorden (KF), Isfjorden (IF)
- future (boreal) fjord: Porsáγγguvuotna / Porsangerfjorden (PO)

## Research Consortium

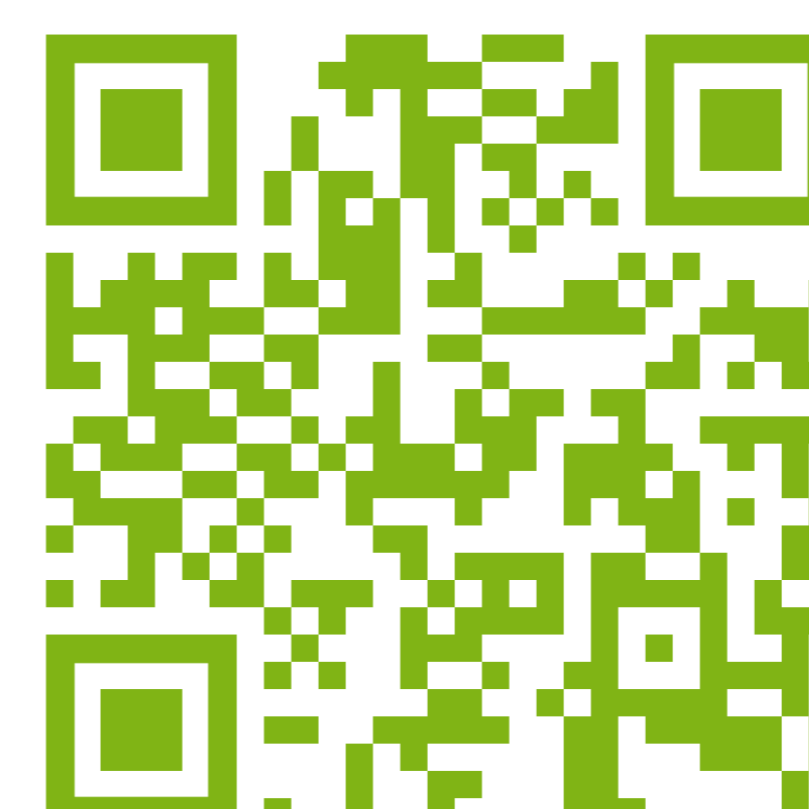
- Lead: University of Bremen
- 14 partners from 8 countries
- 4 years (Nov 2020 – Oct 2024)
- Funding: 6.4 m€



## Co-Producing Knowledge in Socio-Ecological Fjord Systems



FACE-IT  
Homepage



Video: The changing  
Arctic fjord systems



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