



UiT The Arctic University of Norway



Presented by: Karley Campbell



Arctic Science Partnership

Independent centres working closely together



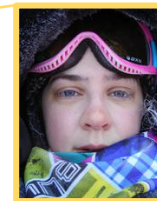
	AU	GINR	UoM	AWI	UIT	UL	KU
Leadership / Research	SR/TRC	JN/MW	DDJ/DB	UJ	JB	MB	DDJ
Administration	EF	NC	LC	DM	JJ	TBD	TBD
Operation	EF	CI	ES	DM	JJ	TBD	TBD
Communication	PBC	EL	SS	DM	JJ	TBD	TBD
Education	LLS	TJP	TP	CH	TBD	TBD	DS
Laboratories	AR	EO	ML	TBD	TBD	TBD	TBD



Jørgen Berge (JB)
Professor. Vice Dean
Research AMB



Johnny Johansen (JJ)
Manager. Section for vessels
and technical services



Karley Campbell
Assoc. Professor. AMB



Rolf Gradinger
Professor. AMB
ARCTOS Leader



Overview of cruise activities



F/F Helmer Hanssen



F/F Kronprins Haakon

<https://toktsystem.imr.no/calendars>

- Halt of activities mid-March to June due to Covid-19
 - Some teaching completed in local waters
 - UiT will renew the contract for technical management of F/F Helmer Hanssen in 2021
- Agreement with University of Be access to 20% of UiT's 50% ship-
- Early 2020 dominated by ship maintenance
- Installation and testing of seismic equipment
- Halt of activities mid-March to mid-May due to Covid-19

New F/F Vessel

Skipskompetanse

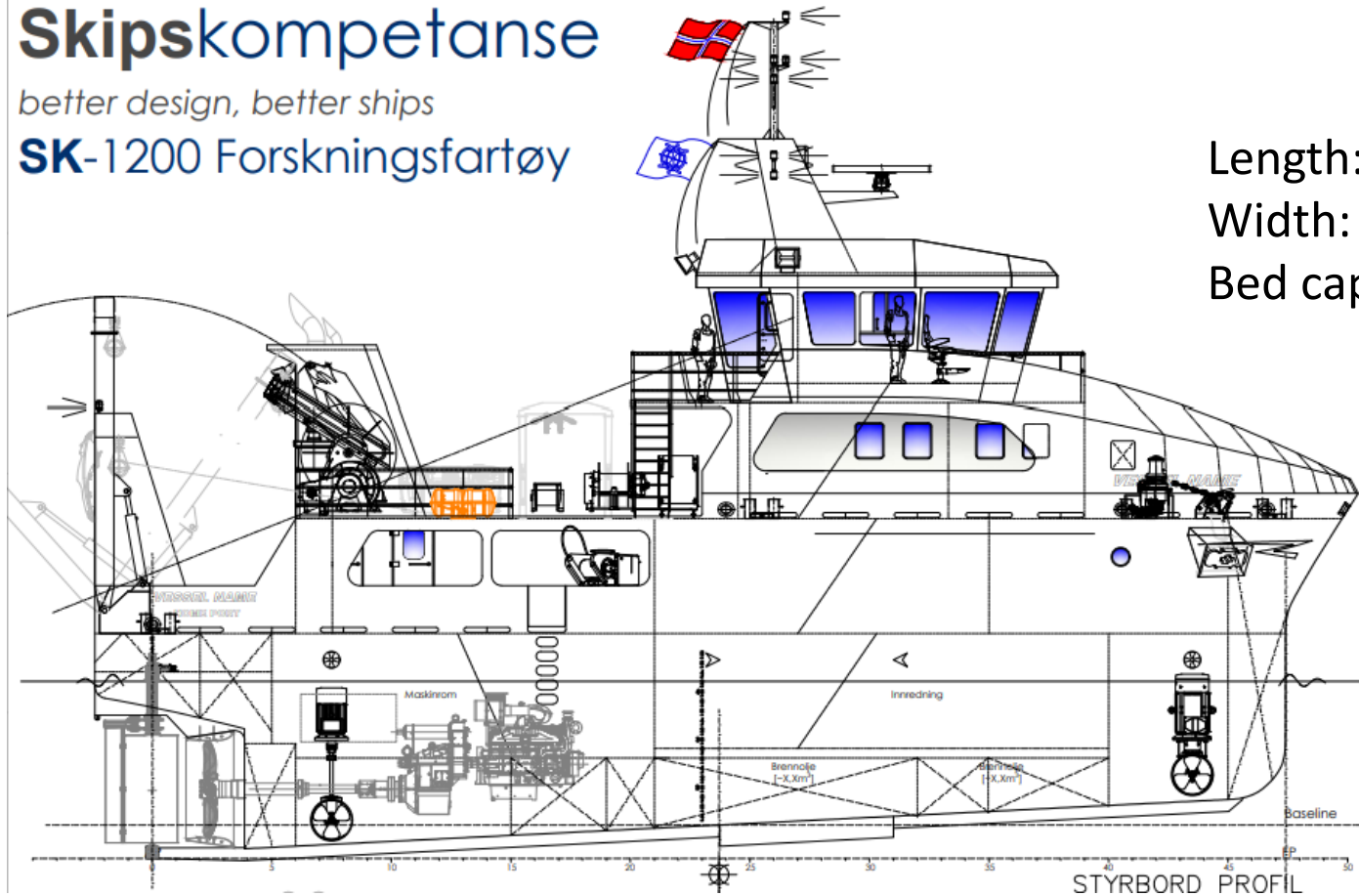
better design, better ships

SK-1200 Forskningsfartøy

Length: 26.5 m

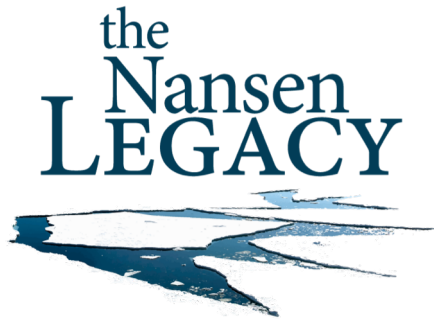
Width: 10 m

Bed capacity for 10-12



Multi-functional vessel for research and teaching. Equipped for activities related to biology, geology, navigation training, technology testing etc.

Overview of activities in 2020



Nansen Legacy (Marit Reigstad)



Arctic Seasonal Ice Zone Ecology
(Arctic SIZE, Paul Wassmann)



Polar Night cruises (Jørgen Berge)



TUNU (Jørgen Schou Christiansen)

Overview of activities in 2020: Nansen Legacy



Fieldwork affected by Covid-19

Postponed

- Seasonal winter cruise March 2020
- Seasonal spring cruise April/ May 2020
- Workshops

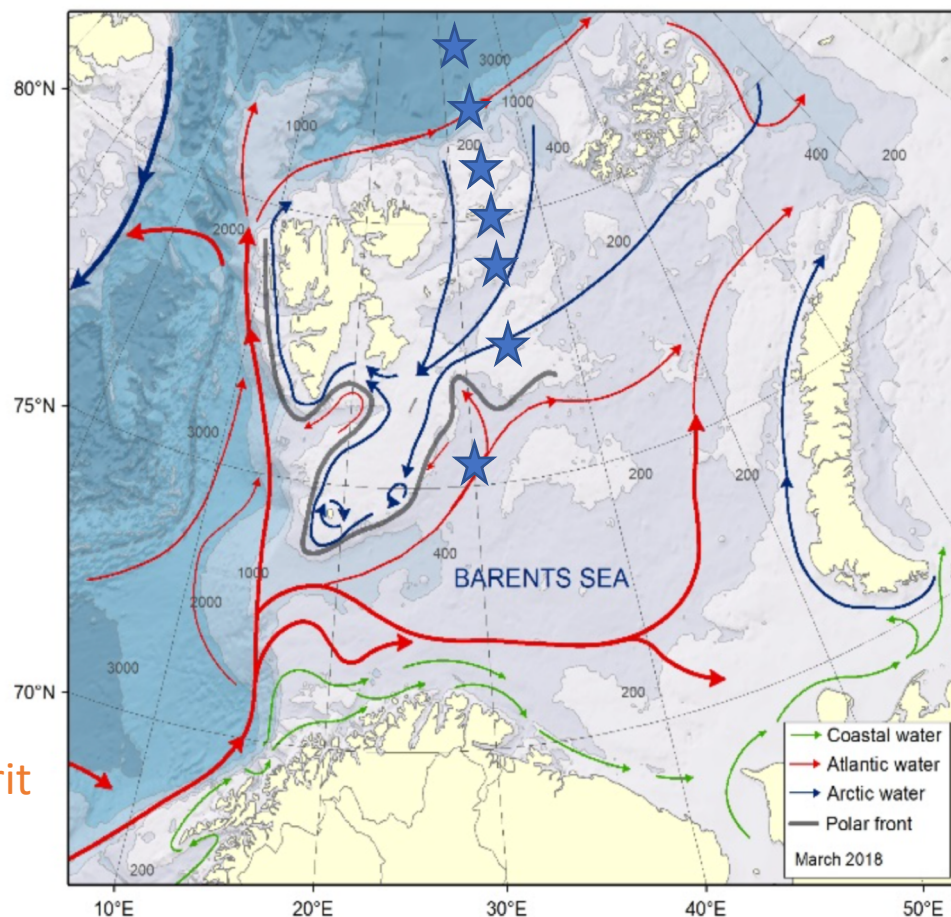
Successes

- Physical process studies on Polar Front, October 2020
- Mooring service, September 2020

Future plans

Digital annual meeting
10-12 November 2020 } **Contact Marit for links**

PhD course on Arctic biogeochemistry
23-27 November



★ Process studies for integrated investigations (P1-P7)

Overview of activities in 2020: Nansen Legacy

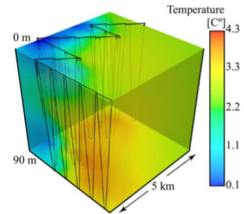
Kronprins Haakon cruises 2021: Seasonal studies & Arctic Ocean transect - climate, ecosystems, ecotox, technology and sea ice



March 2021
Winter cruise Ecosystems and sea ice
Chief scientist: S. Gerland

February 2021
Physical processes
Chief scientist F: Nilsen

November 2021
Mooring service/A-TWAIN
Chief scientist A. Sundfjord



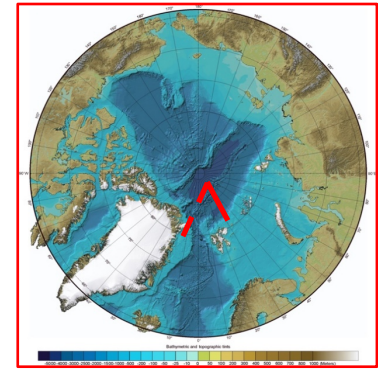
May 2021
Spring cruise Ecosystems and technology
Chief scientist: M. Ludvigsen



Winter
Polar night
Spring
Late summer

September 2021
Arctic Ocean transect
Chief scientist: Mats Granskog
SAS contribution

July 2021
Key processes stations on Nansen Legacy transect



Arctic Ocean Transect Sept-21: Prolongation of Nansen Legacy transect from shelf break, across Nansen Basin, Gakkel Ridge and into Amundsen Basin. Exit through Fram Strait

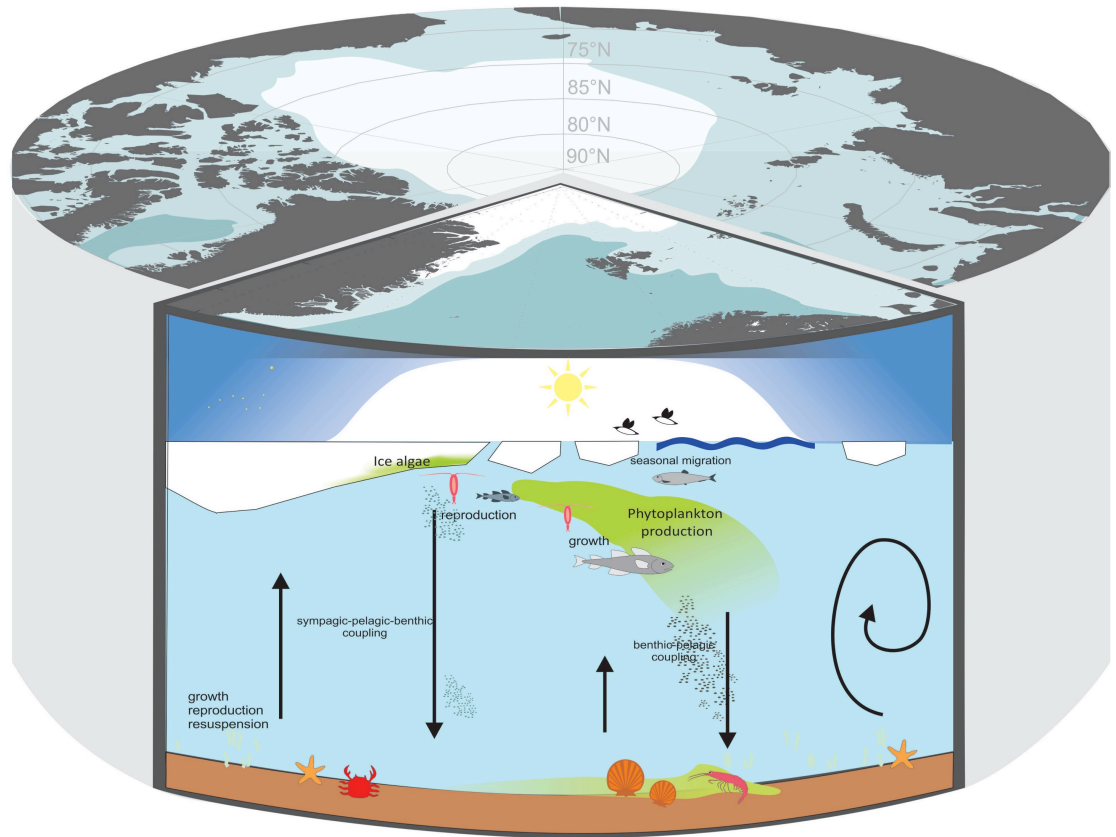
www.nansenlegacy.org

Overview of activities in 2020: Arctic SIZE

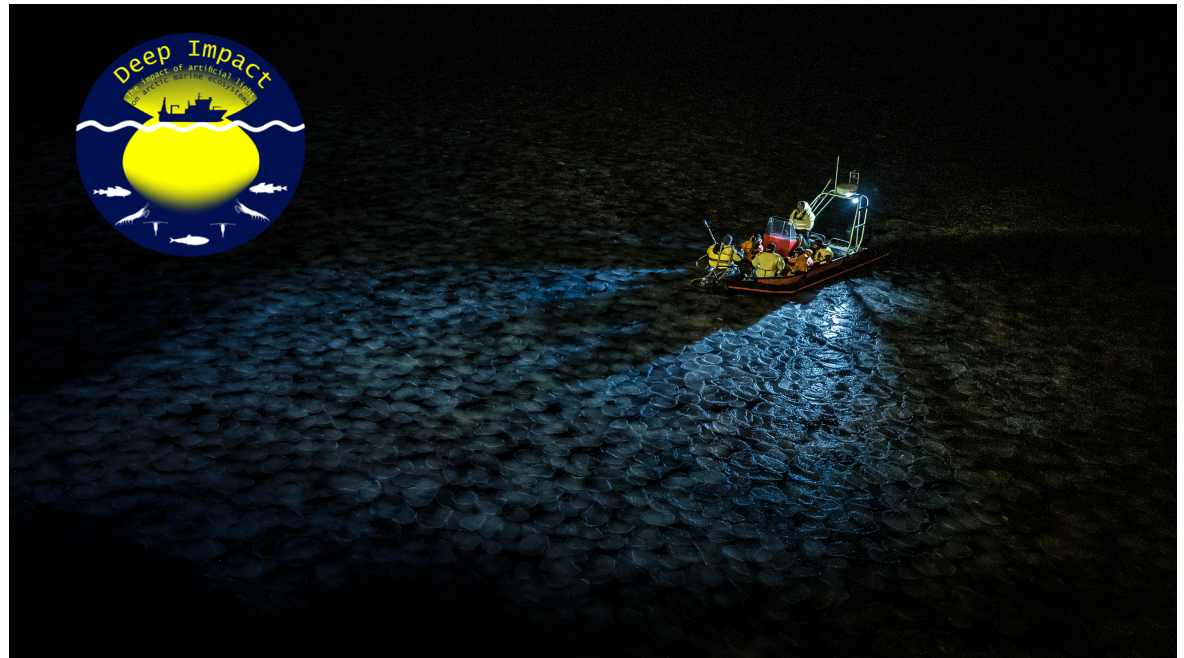
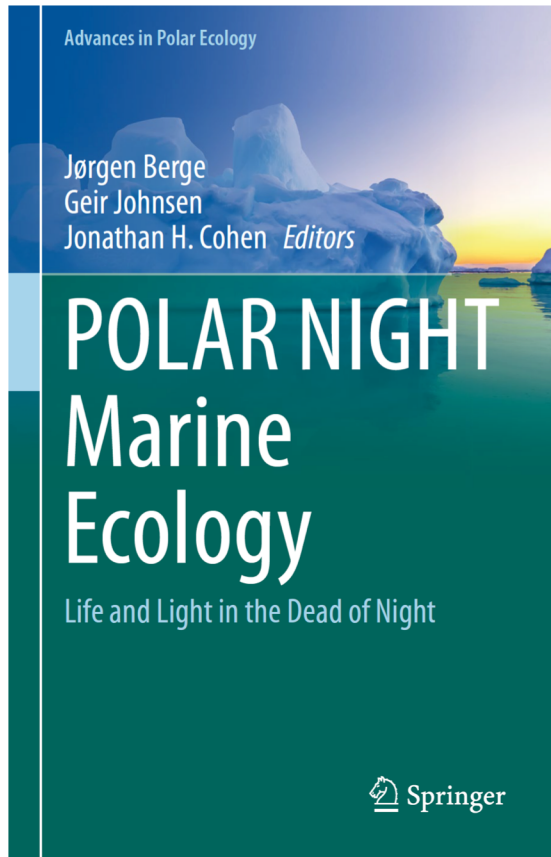


Ecosystem understanding of the Arctic seasonal ice zone (SIZ)

Barents Sea investigations are coupled to studies in Svalbard, work in the deep Polar Ocean, and MOSAIC for pan-Arctic integration



Overview of activities in 2020: Polar Night Cruises



Deep Impact

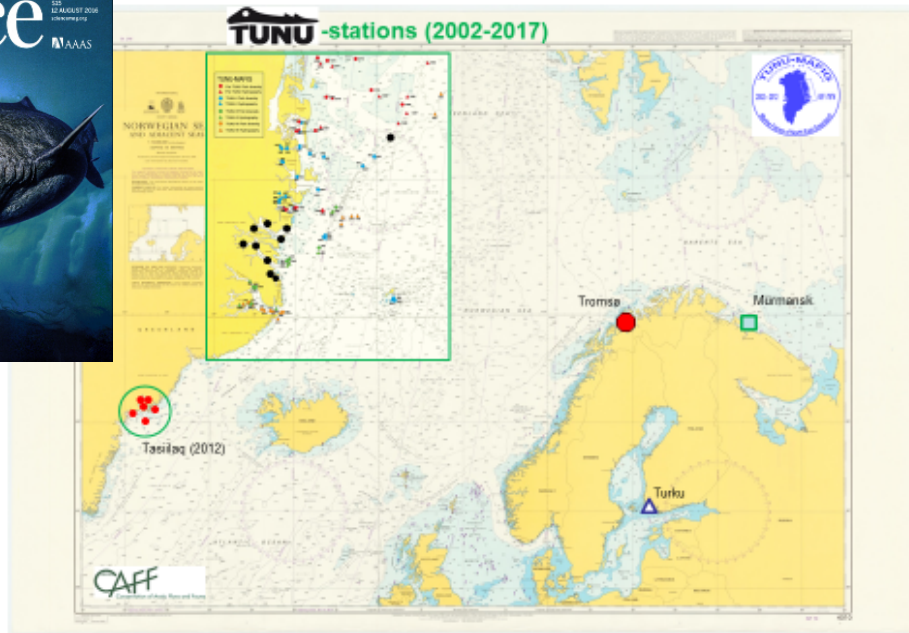
NFR 2020-2024 (started July 1st 2020)

The influence of light on marine organisms in the polar night

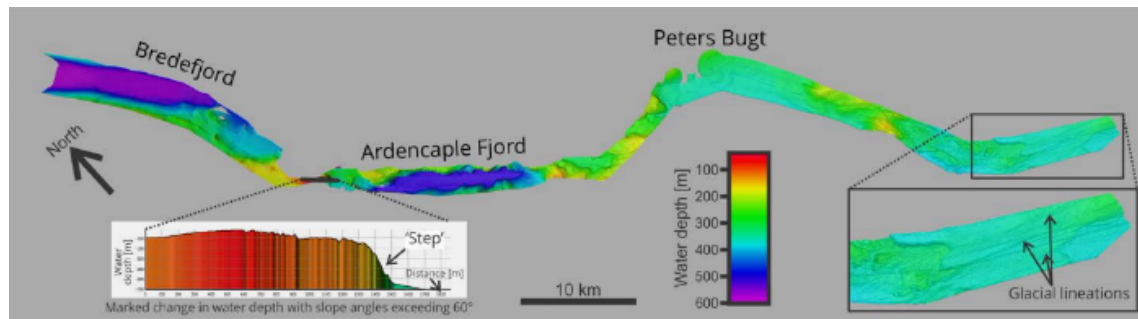
- Cancelled polar night cruise December 2020
- January 2021 HH and Ny-Ålesund
- Possible Polar Night course UNIS



Overview of activities in 2020: TUNU



- Greenland shark ecology and conservation
- Marine biodiversity
- Pollutants
- Seabed mapping (BIO-GEO collaboration)
- Time Series 2002 -2020
 - 70-80 °N transects
 - >150 stations
 - Ongoing case studies, reviews & syntheses
 - 2020 cruise delayed to 2021



Comparative study of ASP fjord systems (Greenland, Svalbard, Norwegian Coast)



Abstract submission to ASSW2021
Fjord ecosystems in a global perspective – similarities and dissimilarities
(UiT Angelica Renner and Ingrid Wiedmann)
Deadline: November 30th



With future rescheduling of ASP in Tromsø,
ArcticSIZE support for Arctic fjord workshop

Future goal - peer-reviewed publication?

Strengthened coordination between ASP & ARCTOS



- Virtual participation in colloquiums (TBC)
- Foster educational collaboration
- Advertisement of early-career events (e.g. Arctic Frontiers 2021)
 - **Workshop 1.** Strengthening the network of Arctic biomarker scientists
 - **Workshop 2.** Exploring multiple outreach channels and responding to a targeted audience
 - **Workshop 3.** Arctic seaweed farming as a case study for stakeholder communication
 - **Workshop 4.** Diversity and underrepresentation in science



Develop communication initiatives

- Promotion of ASP outside of AMSE
 - UiT – ASP workshop?
- Improve social media presence

Overview of activities in 2020: Polar Night Cruises

Takk!

