



Workshop Arctic Acoustic and Oceanography 16-17 March 2016.

Location: Lecture room ground floor at Nansen Environmental and Remote Sensing Center, Thormøhlensgt 47, Bergen, Norway.

The workshop aims to sum up the results from ACOBAR II. Furthermore, the goal is to provide the current status of UNDER-ICE, ONR project in acoustics at NERSC and the CANAPE at SIO. We will discuss future work and plans including experiments and assimilation of acoustic data into ice-ocean models

16 March		
09:30-10:00	<i>Coffee</i>	
10:00-10:30	<i>Stein Sandven</i>	<i>Welcome and Arctic programmes at NERSC</i>
Project and Experiment programmes		
10:30-11:00	<i>Hanne Sagen</i>	The evolution of acoustic experiments in the Fram Strait
11:00-11:30	<i>Peter Worcester</i>	The THAAW and CANAPE experiment.
11:30-11:50	<i>Dag Tollefsen</i>	Arctic Acoustic Programs at FFI.
11:50-12:10	<i>Torill Hamre</i>	Management of acoustic/ocean data.
12:10-12:30	<i>Discussion</i>	
12:30-13:30	Lunch	
13:30-14:00	<i>Mohamed Babiker</i>	Remote Sensing of sea ice – support for Scientific cruises
14:00-14:30	<i>Jenny Ullgren</i>	Oceanic fronts in the Fram Strait
14:30-15:00	<i>Florian Geyer</i>	Identification and quantification of soundscape components in the Marginal Ice Zone
15:00-15:15	<i>Asuka Yamakawa</i>	Characteristics of temporal variability in ambient noise in central Fram Strait.
15:15-15:30	<i>Coffee</i>	
Acoustic Predictability and inversions in the Arctic		
15:45-16:05	<i>Halvor Hobæk</i>	Reflection of sound from layered ice sheets
16:05-16:30	<i>Gaute Hope (PhD student)</i>	Sea Ice effect on transmitted and modeled long-range acoustic communication signals
16:30-16:45	<i>Espen Storheim</i>	Preliminary analysis of sound propagation in the UNDER-ICE experiment
16:45-17:15	<i>Matthew Dzieciuch</i>	A comparison of measured and predicted broadband acoustic arrivals in Fram Strait
17:15-17:45	<i>Brian D. Dushaw:</i>	Tomography in Fram Strait: Inverse estimates by exploiting the small scale variability, and model testing.
17:45-18:15	<i>Bruce Cornuelle</i>	Assimilation of acoustic data into ice-ocean models. (Remote)
19:30	Dinner at restaurant	
March 17		
Ocean and Sea ice models capabilities, validation and assimilation.		
09:00-09:15	<i>Good morning!</i>	Coffee
09:15-09:45	<i>An Nguyen:</i>	Arctic and North Atlantic Ocean and sea ice state estimate
09:45-10:15	<i>Jiping Xie</i>	The TOPAZ system. Uncertainties in ocean modeling results
10:15-10:45	<i>Yongqi Gao</i>	Data in climate simulation and climate prediction. (Norwegian Climate Prediction Model (NorCPM))
10:45-13:00	<i>Discussions and concluding remarks</i>	
13:00-14:00	<i>Lunch</i>	End of workshop
14:00-17:00	<i>UNDER ICE 2016 cruise planning meeting</i>	