



LOM 2015 Program

Tuesday AM Welcome

0900-0920 **Registration and arrival**

0900 **Welcome to the Danish Meteorological Institute**

Marianne Thyrring, Director of DMI

Tuesday AM Forecasting Development Overviews

0920 - 1040

Stéphanie Louazel 005: **Overview of HYCOM activities at SHOM**

David Rosenfield 016: **Global Ocean Forecasting at the Naval Oceanographic Office**

Patrick Hogan 019: **Validation of Global Ocean Forecast System (GOFS) 3.1**

Davi Mignac 033: **The REMO Ocean Data Assimilation System into HYCOM**

1040-1110

30 minute break

Tuesday AM Forecasting and Data Assimilation

1110-1230

Edmo Campos 010: **A 1/12-Degree global experiment with HYCOM forced with NCEP products from 1949 to 2014**

Kristine Madsen 023: **Validation of an Arctic/North Atlantic model system**

Till Rasmussen 025: **From Baffin Bay to Arctic scale ocean and sea ice modeling**

Filipe Bitencourt Costa 034: **Impacts Of Remo Ocean Data Assimilation System (Rodas) On The 24 Hour Forecast Of HYCOM 1/12°**

1230-1400

Lunch

Tuesday PM Forecasting and Data Assimilation

1400-1500

Laurent Bertino 007: **Performance of a 23-years TOPAZ reanalysis**

Lars Peter Roed 030: **Validation of the CMS ARC (MyOcean) forecasting for the Arctic Region**

Patrick Hogan 021: **Examination of Analysis and Forecast Uncertainty Generated from an Ocean Reanalysis**

1500-1530

30 minute break

1530-1650

Marcus Jochum 018: **The connection between Southern Ocean winds, Atlantic Meridional Overturning Circulation and Indo-Pacific upwelling**

Francois Counillon 009: **Seasonal-to-decadal prediction with the Norwegian Climate Prediction Model**

Roberto Palmeira 040: **South Atlantic operational multi-model evaluation**

Mohamed Iskandarani 038: **Application and validation of polynomial chaos methods to quantify uncertainties in simulating the Gulf of Mexico circulation using HYCOM**

Tuesday PM

1650-1800

Icebreaker



Wednesday AM Internal Wave and Tide Modeling

0900-1020

Brian Arbic 004: **Internal gravity waves: A new frontier in global ocean modeling**

James Richman 006: **On improving the accuracy of barotropic tides embedded in a high-resolution global circulation model**

Arnaud Le Boyer 014: **Internal Tide propagation sensitivity to model vertical coordinate and resolution**

Maarten Buijsman 008: **Impact of internal wave drag on the semidiurnal energy balance**

Wednesday AM

1020-1050

30 minute break

Wednesday AM Energetics, Numerics and Parameter Sensitivity

1050-1230

Robert Hallberg 092: **An Integrated Energetics Approach to Determining Planetary Boundary Layer Mixing**

Martial Boutet 017: **Bottom friction estimation in the context of regional barotropic modelling**

Robert Hallberg 028: **The Sensitivity of Global-mean Steric Sea Level Rise to Interior Ocean Diapycnal Diffusivity**

Detelina Ivanova 026: **MICOM Sensitivity to Eddy-induced Mixing**

Mats Bentsen 031: **Eddy-induced transport in layered models**

1230-1400

Lunch

Wednesday PM Energetics, Numerics and Parameter Sensitivity

1400-1500

Per Berg 022: **Dynamical Two-Way Nesting HBM**

Jacob Weismann Poulsen 036: **Re-factoring HBM for Xeon-Phi**

Alan Wallcraft 012: **New Features of HYCOM**

1500-1520

20 minute break

Wednesday PM

1520-1700

Open discussion of layered ocean model issues and HYCOM-specific discussion

Wednesday Dinner

1830-2130

No-host Dinner



Thursday AM Coupled and Climate Modeling
900-1020

Alexandra Bozec 015: **Improvements of the HYCOM-CICE coupled model during the CORE-II project**

Shan Sun 037: **HYCOM global simulations with CORE forcings on icosahedral and logically rectangular grids**

Rainer Bleck 013: **Use of In-situ density in isopycnic-coordinate ocean models**

Jay Shriver 020: **The impact of vertical resolution and upper ocean physical parameterizations on air-sea interaction in the global coupled ocean-atmosphere system**

30 minute break + posters

Sofie Abildgaard: **An ice thickness comparison study (poster)**

Chuncheng Guo: **Representation of Nordic Sea overflows in a set of Norwegian Earth System Model (NorESM) experiments**

Thursday AM Regional Modeling
1050-1230

Bjorn Bakeberg 001: **Modelling Agulhas Current System dynamics: the butterfly effect of changing the vertical stratification**

Neil Malan 027: **HYCOM on the Agulhas Shelf**

Yanli Jia 024: **HYCOM for Hawaii**

Alex Megann 002: **The OSCAR Project**

Patrick Timko 011: **Assessing Shelf Sea Tides in Global HYCOM**

1230-1400

Lunch

Thursday PM Regional Modeling
1400-1440

Zulema D. Garraraffo 003: **Off-line tracer applications based on Global HYCOM simulations**

Renato Ramos da Silva 039: **Assimilation of sea surface height anomalies into HYCOM for South Atlantic and OLA regional climate**

20 minute break

1500-1630

Open discussion of layered ocean model issues meeting wrap-up

1630 Meeting adjourns