**MARIS-INTAROS project meeting at NERSC**

31 October – 01 November 2019

Participants:

NMEFC: Lin Zhang, linzh-60@nmefc.cn

NMEFC: Lu Zhang zhanglupub@hotmail.com

NMEFC: Xi Liang liangx@nmefc.cn

CAS RADI/AIR: Yubao Qiu qiuyb@aircas.ac.cn

NERSC: S. Sandven, H. Sagen, Y. Gao, T. Hamre, Y. Wang, F. Geyer

Brief presentations of NERSC and NMEFC + NMEFC activities related to Arctic

Presentations of the MARIS work by Xi Liang and Yubao Qiu

Presentation of the Big Earth Data activities in Arctic from CAS-RADI, by Yubao Qiu

Interesting sea ice modelling, forecasting and remote sensing of sea ice in support of Xuelong expeditions and commercial voyages by COSMO in the Arctic in 2019 activities.

9 commercial voyages in 2019.

Torill: Presentation: Data exchange and management in INTAROS, incl use of RGeostats from ARMINE. Yiguo should contact Hans Wackernagel about use of RGeostats on climate model fields.

Hanne: Presentation of INTAROS WP6, with focus on Task 6.3 sea ice information

PRIC Talk (Yubao on Lejiang’s behalf): Introduction to the PRIC, and its activities in MARIS project, especially for the expedition for the Arctic and Antarctic.

Discussed cooperation between NMEFC and NERSC in INTAROS WP6.3 related to sea ice information for Arctic shipping. Activities should address 1) prepare sea ice statistics for the last 10 years or so, which includes thickness from NMEFC model, NorCPM, TOPAZ, etc., 2) compare models used for short term forecasting (NMEFC, TOPAZ) and propose how to present and disseminate model forecasts to ships, and 3) how can we present seasonal ice forecasts to Arctic shipping stakeholders.

Actions:

* MARIS partners should fill in QA, QB and QC for data that are relevant for INTAROS. Then MARIS partners will participate in the analysis of the results.
* Example of MARIS data (meta-data) should be registered in the INTAROS data catalogue and be made available for downloading by other INTAROS partners, using machine-to-machine interaction, and vice-verse also for the MARIS project data portal.
* Discuss plans to develop digital services from the work in MARIS and INTAROS (connected to the joint Norway-China proposal submitted in September).
* Make the model simulations from NERSC and MARIS available via the INTAROS data catalogue and can be access by the interoperability way for the MARIS system.
* Organize skype meetings with the WP6.3 partners to follow-up the work progress.
* Participate in a workshop on INTAROS-MARIS in HiMAC2020 organized in Beijing, from 11to 12 May 2020.