



Permanent Representatives
of Members of the Arctic and Antarctic
Ice information and Services of WMO

15 April 2014

**Subject: Invitation to the 4th Ice Analyst Workshop (IAW-4) to be held in Helsinki, Finland
9-13 June 2014**

Dear Colleague,

I am pleased as the PR of the host country, Finland, with WMO, to invite your experts to participate in the 4th Ice Analyst Workshop (IAW-4) to be held in Helsinki, Finland 9-13th June 2014. As a part of the IAW-4, an Antarctic workshop will be held on the 12th to 13th of June. For more details about the workshop, please see the attached Invitation Letter. The deadline for registering is 25 May 2014. The workshop is organized jointly by the International Ice Charting Group (IICWG) and the JCOMM Expert Team on Sea Ice (ETSI). For the workshop logistics we would also like to refer to the WMO Letter 8395-14/WDS/MAP/MMO/IAW4, dated 27 February 2014.

Yours Sincerely,

Prof. Petteri Taalas,
Director General, FMI
PR of Finland with WMO

Ice Analyst Workshop IAW-4

The International Ice Charting Working Group (IICWG) and the JCOMM Expert Team on Sea Ice (ETSI) are organizing the 4th **Ice Analyst Workshop (IAW-4) which will be held in Helsinki, Finland 9th -13th June 2014**. The workshop is hosted by Finnish Meteorological Institute (FMI). As a part of the IAW-4, an Antarctic workshop will be held on 12th -13th of June. The Antarctic workshop is organized by Russian Arctic and Antarctic Research Institute (AARI), and it will also be held at FMI in Helsinki.

Main themes of the IAW-4 on 9th -11th of June:

- ✓ Sea Ice analysis during the melt-up and break-up season
- ✓ Ice deformation identification using satellite imagery
- ✓ Iceberg analysis
- ✓ Use of sea ice symbology
- ✓ Testing of SIGRID-3 rev. 3, "Ice object catalogue" ver. 5.2 and IHO S-411

Antarctic workshop on 12th -13th of June:

- ✓ Develop standard operating practice to jointly produce Antarctic ice analysis.
- ✓ Review regulations for preparation and information exchange for ice in GMDSS bulletins for the Southern Ocean (high seas and coastal waters)
- ✓ Produce ice edge for a GMDSS SafetyNET bulletin and document methods to disseminate information to area coordinators for use.

Particular attention will be for using multi-source satellite imagery (SAR / MODIS / NPP SUOMI imagery) and using open source GIS software. For Antarctic special attention will be paid for developing and testing common Antarctic coast and land masks and common operative sets of satellite imagery and regulations for their exchange and testing specifications for cooperative ice charting product. The goal will be to develop a process and schedule to collaboratively produce a weekly Antarctic Sea Ice Analysis.

Participants of the workshop will include 25 – 30 ice analysts and meteorologists from the leading national ice services including Canada, China, Denmark, Finland, Germany, Iceland, Japan, Norway, Russia, Sweden and USA.

There will be **technical excursion and no-host dinner** during the week.

We kindly ask you to contribute on any of the theme sessions, especially in the iceberg analysis session.

For registration and workshop logistics information, please send email to ulla.aalto@fmi.fi. **Deadline for Registration: 25 May 2014**. If you want to have additional information from the organizing committee, please contact Antti Kangas, antti.kangas@fmi.fi or mob. +358 40 867883 and Vasily Smolyanitsky, vms@aari.ru or +7 951 654-4196. For Antarctic workshop please contact Oleg Folomeev, service@aari.ru, +7 812 337-3181. Check for the workshop documentation at <http://www.jcomm.info/IAW4> and <http://gmdss.aari.ru/docs/iaw4/>. For the workshop logistics we would also like to refer to the WMO Letter 8395-14/WDS/MAP/MMO/IAW4, dated 27 February 2014.

Report of the previous 3rd Ice Analyst Workshop (18-22 June 2011, Copenhagen, Denmark) is published as JCOMM Technical Report No.56 (JCOMM-TR-056) and is available from JCOMM publication web-site http://jcomm.info/?option=com_oe&task=viewDocumentRecord&docID=8518 with working material available at <http://gmdss.aari.ru/docs/iaw3/>.

