

IICWG-X Applied Science & Research Standing Committee Report



Co-Chairs

Roger De Abreu & Anette Jönsson



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IICWG VIII Action Items

SC8.1:

Identify ice service/national Science representatives for all member nations. For those services which do not have Science sections, Heads of Ice Service will be contacted to propose appropriate national representatives as a contact

Responsible:

Science Committee Co-Chairs

Target Date(s):

Ongoing

Status:

Open

National Science Representatives/Members

- Canada: Roger DeAbreu and Tom Carrieres, CIS.
- Denmark: Leif Toudal Pedersen, DMI
- Finland: Markku Simila, FMI
- Germany: Jürgen Holfort, BSH
- Iceland: Ingibjörg Jónsdóttir, UI. May need someone more from Icelandic Met Office?
- Norway: Nick Hughes and Lars-Anders Breivik, Met.no
- Russia: Need to contact Igor Ashik, AARI, (DAMOCLES, sAON) (proposed by Vasily)
- Sweden: Anette Jönsson, SMHI and Leif Eriksson, Chalmers
- UK: A new representative is needed! Need to contact ETSI representative and BAS.
- USA: Pablo Clemente-Colón, NIC

Countries that are not a signatory:

- Argentina: Contact Beatriz Lorenzo, Argentinian Ice Service?
- Australia: Tony Worby, AAD, is interested to participate. How do we do this?
- China: Suggestions?
- Japan: Contact Keiji Hamada, Japan Met Agency?
- WCRP / CliC: Contact Sebastian Gerland, Norwegian Polar Institute?

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IICWG VIII Action Items

SC8.2:

Each national representative to be requested to give a brief summary of Top Research priorities and plans to facilitate identification of complementary &/or common activities and areas for collaboration.

An updated list will be put on the IICWG web page

Responsible:

Science Committee Co-Chairs

New Target Date(s):

March 2009

Status:

Open

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IICWG IX Action Items

SC9.1:

Conduct the 3rd Modelling/Data Assimilation Workshop in 2009 or 2010.

Responsible:

Tom Carrieres, Lead; Leif Toudal Pedersen, Co-lead

Target Date(s):

Up to 18 months from the 2008 Workshop.

Status: Open

- The 2010 workshop is suggested to be held at SMHI Norrköping.

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IICWG IX Action Items

SC9.2:

Provide coordination and inventory of SAR multi-band/multi-pol validation studies/activities by IICWG members and other groups.

- Potential workshop (in conjunction with ESA, IICWG, CSA, IPY STG)
- Access to KSAT Oil in Ice Analysis Project Data

Responsible:

Roger De Abreu, Lead; Pablo Clemente-Colón, Co-lead

Target Date(s):

IICWG X

Status: Open

- No coordination to date - but ongoing activities
- ESA C-Core project good catalyst for moving item forward - IICWG X presentation Thursday

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IICWG IX Action Items

SC9.3:

Co-ordinate and report on iceberg modelling activities by IICWG members and other groups.

Responsible:

Tom Carrieres, Lead; Don Murphy, Co-lead

Target Date(s):

IICWG X

Status: Open

- Norway (Met.no) is working with Canada (CIS, NRC) on the development of iceberg forecast models.
- Canada and U.S. working together to evaluate/select a common NAIS iceberg model by end of 2009.

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IICWG IX Action Items

SC9.4:

Conduct a poll of IICWG members and others on activities of potential interest to the GCOS sea ice subgroup to get involved, followed them and report.

- Leif will be reporting at next years IICWG-meeting
- Will closely cooperate with ETSI and CLIC

Responsible:

Leif Toudal Pedersen, Lead; Pablo Clemente-Colón, Co-lead

Target Date(s):

IICWG X

Status: Open

No action have been made.

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IICWG IX Action Items

SC9.5:

Investigate and report on short term Ice forecasting models available or under development, their validation, and intercomparison studies and activities.

- Include validation in the Baltic Sea with coastal and marine radar data.

Responsible:

Tom Carrieres, Lead; Anette Jönsson, Co-lead and Finland

Target Date(s):

IICWG -X

Status: Open

Input is received from CIS, FMI, SMHI

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IICWG IX Action Items

SC9.6:

Investigate and report on seasonal Arctic sea ice forecasting methods implemented by the IICWG ice services and other groups.

Responsible:

Vasily Smolyanitsky, Lead; Pablo Clemente-Colón, Co-lead

Target Date(s):

At least 5 months before Arctic Minimum

Status: Open

Seasonal forecasts at national ice services (IAW-I,II) are commonly based on empirical and statistical relationships between overall sea ice parameters and meteorological factors; the latter are highly dependent on duration of observations and expert knowledge. Update on the quality of the seasonal forecasts is partly included into the seasonal outlook of the national ice services for IICWG-10. Action needs to be continued.

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IICWG IX Action Items

SC9.7:

Prepare a statement clarifying the definitions of ice extent, ice area and ice volume and the limitations and uncertainties regarding their estimations.

Responsible:

Leif Toudal Pedersen, Lead

Target Date(s):

At least 5 months before Arctic Minimum

Status: Open

An explanation is being prepared as part of the Arctic Council's SWIPA assessment. The sea ice extent chapter edited by Walt Meier and Leif Toudal Pedersen gives a draft definition.

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IICWG IX Action Items

SC9.8:

Recommend revisiting the definition and “birthday” of “old ice” and maybe include a new term “residual ice”. Consult with the IICWG Data Committee and ETSI.

Responsible:

Vasily Smolianitsky, Lead

Target Date(s):

IICWG X

Status: Open

Need for several updates to WMO Sea Ice Nomenclature, coding tables and formats was noted during the ice analysts and experts meetings (IAW-1,2, IICWG, communications), including old ice, ice boundary, color tables, harmonization between Nomenclature, SIGRID-1,2,3 and Ice Objects Cat. Particular agenda items should and will be planned for ETSI-IV to deal with these subjects.

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IICWG IX Action Items

SC9.10:

Propose an IICWG person to participate as a member of the JCOMM Expert Team on Operational Modelling (ETOM).

Responsible:

Vasily Smolianitsky, Lead

Target Date(s):

November 2008

Status: Open

CIS expert Tom Carrieres was recommended to Gary Brassington (BOM) as an expert in operational ice modelling for ETOOFS; it is planned that during JCOMM-III (November) ETSI & ETOOFS chairs will consult NMS representatives on optimal membership.

Suggested topics for the ASRSC meeting on Thursday

- Review and acceptance of ASRSC ToR
- In depth review and update of ASRSC AI-list
- Unified ways of representation of the sea ice minimum conditions – Sean Helfrich
- Open for Suggestions
- Review of the Science Workshop agenda