

IICWG-IX Applied Science & Research Standing Committee Report



Co-Chairs

Pablo Clemente-Colón & Anette Jönsson



Applied Science and Research

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: Vladimir Zabeline, Roger DeAbreu and Tom Carrieres, CIS. Removed Thomas Puestow, C-CORE
- China: Not a signatory, should we pursue identifying a participant?
- Denmark: Leif Toudal Pedersen, DMI
- Finland: Markku Simila and/or Jari Haapala, FIMR
- Germany: Jürgen Holfort, German Ice Service, has agreed to join the Committee
- Iceland: Ingibjörg Jónsdóttir, UI. May need someone more from Icelandic Met Office?
- Japan: Not signatory but would like to contact Keiji Hamada, Japan Met Agency.
- 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
- USA: Pablo Clemente-Colón, NIC and Don Murphy, IIP
- UK: John Stark, UK Met Office has left. A new representative is needed! Need to contact ETSI representative and BAS.
- Australia: Tony Worby, AAD, not a signatory but interested participant. Need to ensure that he is in the IICWG mailing list.
- Argentina: Not signatory but need to contact Beatriz Lorenzo, Argentinian Ice Service.
- WCRP / CliC: Need to 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 VIII Action Items

SC8.3:

Develop a process for rotation of Committee Co-Chair

- Accepted procedure:

Rotation with a change every 2 meetings

Co-Chairs from Canada/USA and Europe(+)

Overlap in rotation (3 meetings per Co-chair)

- Tell the IICWG Co-chairs that this process should be noted by the secretariat.

Responsible:

All

Target Date(s):

IICWG-8

Status:

Closed

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IICWG VIII Action Items

SC8.6:

Coordinate SAR multi-band studies and applications development.

- Preliminary studies underway within NAIS.*
- Chalmers/SMHI/AWI Baltic Experiments continue.*
- Increased data sharing and results exchanges needed.*

Responsible:

All - Roger De Abreu, Lead

Target Date(s):

IICWG IX

Status:

Closed and folded into new SC9.2

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IICWG VIII Action Items

SC8.7:

Follow-up and participate in the Global Climate Observing System (GCOS) Sea Ice activities.

- Leif Toudal, DMI, replaced Søren Andersen as GCOS Sea Ice Subcommittee Lead

Responsible:

All

Target Date(s):

IICWG IX

Status:

Closed

Applied Science and Research

IICWG VIII Action Items

SC8.8:

Provide focused activities and develop collaborations on improving satellite detection and monitoring of icebergs.

- IICWG Iceberg Session proposed*
- Multi-band/multi-pol investigations underway.*

Responsible:

Don Murphy, Lead

Target Date(s):

IICWG-8

Status:

Closed and folded into new SC9.2 and SC9.3

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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:

New

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IICWG IX Action Items

SC9.2a:

Provide coordination and inventory of SAR multi-band/multi-pol sea ice (including icebergs) validation studies/activities by IICWG members and other groups in 2008 and 2009.

- Identify previous efforts/existing datasets
- Agree on common validation objectives and analysis framework
- Coordinate SAR data acquisition
- Facilitate field and image data sharing where/when necessary, e.x., *KSAT Oil in Ice Analysis Project Data*
- Inform data providers and space agencies for support where needed

Responsible:

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

Target Date(s):

IICWG X

Status:

New

Applied Science and Research

IICWG IX Action Items

SC9.2b:

Identify and report on an appropriate forum for consolidating/sharing results of *SAR multi-band/multi-pol sea ice (including icebergs) validation* field programs and data analysis

- Investigate timing/appropriateness of a larger dedicated workshop – take advantage of scheduled related workshops/conferences

Responsible:

Roger De Abreu, Lead

Target Date(s):

IICWG X

Status:

New

Applied Science and Research

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:

New

Applied Science and Research

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:

New

Applied Science and Research

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, Co-lead and Finland participant

Target Date(s):

IICWG -X

Status:

New

Applied Science and Research

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:

New

Applied Science and Research

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:

New

Applied Science and Research

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 Smolyanitsky, Lead

Target Date(s):

IICWG X

Status:

New

Applied Science and Research

IICWG IX Action Items

SC9.9:

IICWG Science Committee to provide Vasily Smolianitsky comments regarding the list of questions for the preparation of the JCOMM/ETSI report draft to be completed by May 2009.

Responsible:

Pablo Clemente Colón, Lead

Target Date(s):

November 2008 with subsequent report review when available.

Status:

***Closed and* moved to an IICWG Plenary action item. Pablo to receive input from all IICWG participants for consolidation.**

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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 Smolyanitsky, Lead

Target Date(s):

November 2008

Status:

New