

## ***Workshop on polar-lower latitude linkages and their role in weather and climate prediction***

Teleconference scientific committee, 17 January 2014, 4-5:20 pm

### **Agenda**

- 1) Venue and local information
  - Local information to be provided by IC3 between February and March
- 2) Organisation of the meeting
  - Scientific committee and local organising committee
  - Web site and flyer, including local information, to be prepared by AWI
  - Number of attendants between 70 and 90, to accommodate reasonably small breakout groups (the venue can accommodate larger numbers)
- 3) Attendance by invitation only
  - Early career scientists selected from a list recommended by the scientific committee (1 or 2 early career scientists per committee member) and from an open competition for travel awards; encourage scientists from developing countries; aim for a maximum of 15 travel awards
  - Keynote speakers to be decided by the scientific committee, six in total, two per breakout group theme; travel costs will be covered by the organisation; each committee member to suggest keynote speakers with domain of expertise
  - Other participants, including additional speakers (if time allows), selected from a list proposed by the scientific committee; to be funded by their own means; each committee member to suggest as many as possible to prepare an exhaustive list
- 4) Meeting schedule
  - Keynote talks on afternoon of day 1 and morning of day 2
  - Breakout groups on afternoon of day 2 and morning of day 3
  - Plenary session to discuss the outcome of breakout groups
  - Poster sessions on afternoon of day 1 and morning of day 2, maybe to change to the coffee breaks during the breakout group sessions
- 5) Breakout groups
  - Three broad topics, to be decided, with the following suggestion: a) atmospheric links, including processes and mechanisms, b) role of the ocean and sea-ice, c) implications for prediction
  - Goals and structure
  - Presentations allowed during breakout group sessions

- Selection of a chair and a secretary (preferably an early-career scientist) for each session; the chair could prepare a schedule of the session
- Aiming for a brief document with their outcome, to be submitted to e.g. BAMS or EOS

## 6) Funding

- Around 30,000 euros might be available; 10,000 euros more would be helpful
- A request has been submitted by the local organising committee to the EGU for 5,000 euros

## Summary

Agenda agreed as sent.

Francisco Doblas-Reyes informed about **points 1 and 2**. The local organising committee is working on the local arrangements. The workshop web site and flier will be available from the PPP web site and managed by AWI.

It was suggested to take into account previous outcomes of scoping meetings. All members are expected to send information about any recent activity or being planned for the near future.

It was decided that the Southern Hemisphere will also be covered, but that given the nature of the scientific committee, this risks to happen to a smaller extent than desirable. The scientific committee should name invitees living in and/or working on the Southern Hemisphere to ensure this area is appropriately dealt with. It should be noted that travel support for Southern Hemisphere attendants is important because of travel expenses.

**Action 1:** Jim Overland to send around results from IASC workshop in Iceland.

**Action 2:** Jim Overland and Thomas Jung to send list of recent scoping workshops on this.

Concerning **point 3**, it was agreed for keynote speakers to be nominated by steering group members. Their travel costs will be funded by the workshop organisation.

Jim Overland commented that a closed meeting has inconveniences. For instance, some invitees might pull out at the last minute. It was suggested to restrict it to 70 people but to still have spare capacity to allow for some more (around 20). The suggestion is to put a list of 70 people together, including keynote speakers and young scientists, but allow also some eager people not initially invited to participate. The tentative list of participants and keynote speakers should be available in March to start contacting them. The list of acceptances should be used to set the scene well ahead of the meeting.

To increase the impact of a restricted meeting, it was suggested to allow for real-time comments as in a webinar while keynote talks and the summary of the

breakout groups are broadcasted. The talks and summaries could be made available from the workshop page, which will be hosted by the PPP web site.

Breakout groups beyond 20-30 people could be considered too large, hence the total number of 70.

**Action 3:** Members of the scientific committee to send a list of a) keynote speakers with domain of expertise, b) attendants who could contribute to the discussions and c) a couple of young scientists working in the field. Make an effort to identify participants working on or coming from the Southern Hemisphere. Deadline to send the three lists (make a clear distinction between the three lists) end of February.

**Action 4:** The local organising committee to investigate the possibility of broadcasting the talks and summaries of the breakout groups allowing for real-time comments from remote attendants.

For the schedule (**point 4**), it was agreed to have two keynote speakers per breakout group topic. These talks should not be too long (around half an hour). To complement the topic with several, a few more focused short talks should also be scheduled. These “response presentations” could spark discussion after the more general keynote presentations.

The distribution of presentations and discussions will be revisited once the list of attendants is available.

Some changes for the topics proposed for the breakout groups (**point 5**) were discussed. The original proposal of a) atmospheric links, including processes and mechanisms, b) role of the ocean and sea-ice, and c) implications for prediction was accepted as an initial step with the following modifications:

- Sea ice should be included in the topic of atmospheric links as sea ice is the origin of some of the linkages
- As the breakout group on mechanisms might have to deal with many complex issues, it was suggested to have two groups within this topic. The ensemble approach should allow for more variety of points of view.
- Service aspects should be covered in the prediction topic.

In any case, all participants should bear in mind that the final goal of this workshop is to improve prediction at all time scales and should pay special attention to considering the Southern Hemisphere, especially those involved in the ocean topic.

It was decided to allow input from participants before the meeting, once an initial list is available, to shape the topics and list the main questions for the breakout group sessions.

The selection of a chair and a secretary (preferably an early-career scientist) for each session is a critical aspect for the success of the workshop. The chair will prepare the session, which includes listing the main objective and questions of the session, scheduling additional talks and drafting the summary.

It is not clear whether EOS or BAMS are the most adequate vehicles to publicising the outcome of the workshop. This aspect will have to be discussed again closer to the date of the workshop.

Brian Mills suggested that the availability of a brief white paper for each topic ahead of the meeting could be useful.

**Action 5:** The scientific and local organising committees to discuss the possibility of drafting a white paper focusing on the three topics identified for the workshop.

Several ideas were mentioned to increase the funding (**point 6**):

- Sponsoring from journals and publishing companies, instrumentation companies, etc. (Thomas Spengler).
- Cecilia Bitz to follow up on the NSF opportunity.
- Jim Overland mentioned the possibility of exploring IASC as a possibility for additional funding.
- Jonny Day suggested exploring funding from scientific societies.
- Explore other opportunities offered by WMO for funding young scientists.

**Action 6:** All to keep exploring additional sources of funding.

The meeting was then called to a close with no further issues. A meeting with the local organising committee will take place before the end of February, and will be repeated on a monthly basis.

### **Resulting actions (in blue those completed)**

**Action 1:** The summary of the meeting sent by Jim Overland is available on the workshop page.

**Action 2:** Jim Overland provided the following list of related activities that took place recently or that are planned for the next months:

September 2013	US National Academy Scoping Meeting, College Park MD
November 2013	IASC/CliC Science Workshop, Iceland
February 2014	Review Paper production, J. Cohen lead
May 2014	NOAA Arctic Science/linkages workshop, Boulder CO
November 2014	IASC/CliC Synthesis Paper author workshop
December 2014	WMO/PPP/EC Symposium, Barcelona, Spain
April 2015	ICARP III/IASC Linkage Synthesis and Symposium, Tokyo, Japan <a href="http://icarp.arcticportal.org">http://icarp.arcticportal.org</a>

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