

Notes from the 6th IGAC Southern Hemisphere Working Group meeting, Takamatsu, Japan.

Approx 40 people attended the meeting in person and several others via videoconferencing.

1. Reminder of the current aims/activities of the group :

There was an overview of the activities and a discussion about what future activities we might seek to address. The general consensus seemed to be that we envisaged a future for the group beyond the writing of the positioning paper but that we would let things develop as we go. So here's a reminder of the aims and activities:

The IGAC SH working group is being founded in order to:

- Provide a forum for scientists to discuss particular challenges in understanding the Southern Hemisphere atmosphere &
- To foster stronger collaborations between Southern Hemisphere research groups.

Current activities are:

- Approx. monthly video conferences
- Working on a positioning paper reviewing science challenges in understanding the changing atmosphere of the Southern Hemisphere

There is a google drive with the files including the activities document and the positioning paper https://drive.google.com/drive/folders/1Or_bY6wJOY5XdL1WrZfGFtnGklf8cL6N?usp=sharing

- Collating a bibliography of published papers on the Southern Hemisphere atmosphere, see: https://www.zotero.org/groups/2185852/sh_atmoschem_library

2. Update by each of the champions/leaders for sections of the positioning paper (what's been done, who's involved, what is a reasonable time-line to a first draft of the section).

We discussed the paper again at some length. Discussion time mainly revolved around the shape of the paper and the topics to be covered. This covered ground that we had gone over at many previous meetings, however this was useful because of the larger group in attendance. We again agreed on the idea that we would include any topic which described an aspect of atmospheric chemistry and the specific challenges or differences that exist in the Southern Hemisphere. Given the number of topics, we are probably looking for 1-2 pages of A4 text per topic, but we also agreed that anyone writing in a team should prioritise getting words on paper that can then be condensed to be part of the positioning paper. It may be that a particular topic grows to be a potential stand-alone paper. This is to be encouraged. A list of sections can be seen in the paper itself on the google drive address above.

Most groups had not progressed too far and we agreed on deadline for a first complete draft of the sections by June 2019.

3. Leadership and structure – what do we need to do to get ready for formal recognition by IGAC?

It was agreed that we should look to sort a formal leadership structure in 2019. In the meanwhile Clare Murphy (Paton-Walsh) will continue to chair the meetings. We did not directly discuss this but I assume that an IGAC-like structure would be 2 x co-chairs (or a chair and deputy chair) and then a set of representatives for different countries/regions. We will add this to the agenda for one of the next meetings.

4. Any other business/suggestions of possible future activities.

Not much in this section. We did point out that earlier discussions on a Southern hemisphere group from Laura were around possible future campaigns to address similar issues for urban areas in

remote, coastal parts of S. H. We agreed that the current activities were building the community and that such joint campaigns may result from newly formed or strengthened collaborations that result.

There was a discussion around whether we should alternate the timing of the meetings as finding a good time slot for all countries is impossible. We didn't really get a consensus here and so I think I'll try this with doodle poll.

The real squeeze is a time that suits Australia/NZ and South America. If we choose a time that is the middle of the night in Wollongong – someone else needs to volunteer to chair the meeting and send around the minutes.

Anyway – I have chosen the Week starting 5th November for our next meeting and I have set 3 possible times on each day. Please let me know what suits by filling in the poll by 20th October. You can also send me comments on the idea of rotating times for these meetings if you cannot attend the chosen time for the next meeting.

The doodle poll is at: <https://doodle.com/poll/ic8bfvyv2x9v6cnt>

I have also attached a pdf of the meeting time tool that Gustavo recommended (see <https://www.timeanddate.com/worldclock/meeting.html>)