

Notes from the 19th IGAC Southern Hemisphere Working Group meeting (Parts A and B, 28th January 2021).

Items agreed at the Part A and Part B meetings and actions are summarised below:

1. For the positioning paper we will submit to the journal *Elementa* as a Commentary paper.

The online version of the paper is closed. As it stands there were three well developed sections on the southern ocean, biogenics and fires and I am (relatively) confident that I can build a narrative around these main themes of SH atmospheric chemistry.

There was a section on air quality but this was quite unbalanced and so the plan is to drastically reduce this and add into a section within the introduction. The narrative for this will be that despite the lower overall anthropogenic emissions in the SH many places suffer from a lack of regulation and poor monitoring and so we have areas of unnecessarily poor air quality.

Additionally there was a new section added that was called Anthropogenics and had a section on Hg and a few lines about greenhouse gases. I cannot see an easy space for this at the moment except a few lines in the introduction.

ACTION: section leaders to revise, (shorten where possible?) and finalise their sections as needed for the next meeting (and send to Clare with reference library).

This is the plan for the paper:

- 1) The Introduction (Clare to write) – including air quality (Nicolas Huneas to write using what we have as examples), ozone and importance of further observational capacity. Ends with scope of paper and intro to IGAC SH working group
- 2) Southern Ocean (Ruhi) – current word count 2653 words
- 3) Biogenics (Kathryn) – current word count 2667 words
- 4) Fires (Melita) – current word count 3263 words
- 5) Conclusions and scope of/ introduction to the SH working group and its aims and objectives (Clare to write)

ACTION ALL: Please ensure that you enter all the references you have added into the paper into the Zotero library folder for the positioning paper.

2. There were discussions about the IGAC virtual conference in 2021. The sessions will be organised along the lines of the activities and working groups. We need to organise a session for the SH working group.

ACTION: Please consider volunteering yourself or encouraging ECRs in your group to volunteer to be part of the session organising team. Email clarem@uow.edu.au if you are interested.

The details are not yet clear of how much say we will have in the format but the following comments were noted in our meetings:

- A strong preference was expressed for (a) posters and pre-recorded talks followed by live sessions for discussion of ~ 2 hours only (not all day) (b) one week preferred over 2 given the likelihood of night-time attendance requirements
 - Co-convening by early career researchers (ECRs) should be encouraged
 - We would like to ensure that no-one gets neglected and submits a presentation that gets ignored. We had the following ideas to prevent this happening (a) assigning every presentation to an established scientist and ECR to make comments (b) ensuring that the platform that we use prompts you to leave a comment when you have looked at a poster. Maybe requiring name and affiliation to be entered before viewing and then a box to leave comments before you move to the next presentation (perhaps with a question like “what were the high-lights of this presentation for you?”). The requirement to leave name and affiliation was suggested as a means to ensure some professionalism in the comments recorded.
3. There was a discussion about the possibility of starting a journal club as a means of fostering community amongst ECRs and students. This idea was met with considerable enthusiasm and we should discuss how we might make it happen at the next meeting. The idea of building upon this with shared seminars was also discussed but preference was for a relatively informal approach that would allow the students to relax and get to know each other well.

ACTION – Next full meeting (chaired by Clare) will be at end of April - please vote for your choice of times for next meeting(s) at

https://doodle.com/poll/ifswzrghiwt3e2xv?utm_source=poll&utm_medium=link