

Notes from the 16th IGAC Southern Hemisphere Working Group meeting, 7th July 2020.

Action items in bold.

There was a discussion about the invitation from Hiroshi to contribute a chapter to the Springer book on Air Quality and Climate Change. Melita Keywood and Kathryn Emerson are co-authoring the Air Quality section of Australia's State of the Environment Report and so could work with a NZ academic on the proposed chapter.

Action: Melita to contact Jenny Salmond to see if she is interested to take part.

The rest of the meeting focused on plans for the positioning paper. With the following decisions made:

1. Rebecca Buchholz would not take the lead on the paper as a whole but instead work with Melita to bash the fires section into shape
2. Clare would again take responsibility to lead the paper and get it in shape for submission (with Jenny Fisher offering her editing skills once a first draft manuscript was available)
3. Ruhi would reframe the Southern Ocean's section to include some comments about Antarctica and also take the lead on a map of key observational locations.

Action: Clare – save the paper as a google doc and share again: Done – see:

<https://docs.google.com/document/d/1oBugA3H-j5LEL1bNp2zivYNGrlwUhu8MwxvXH1RITA/edit?usp=sharing>

Action: Everyone – add your contributions into the paper **by end of August at absolute latest.**
Please use the “suggesting” function in google docs instead of “editing”

Action: Clare – start work on framing the paper with an appropriate introduction.

Action: Clare – contact Nicholas Huneus to contribute with text on AQ in South America

Action Ruhi: start a google spreadsheet for people to add in the lat, long and brief description of key observational sites so Ruhi can make a map for the paper. Done: see

<https://docs.google.com/spreadsheets/d/18eQCNMQL7fBMNPI4C8HnKQc5we8I-95htdXkFoE4CYY/edit?usp=sharing>

Action: Everyone – add the sites you know about that should be included to this spreadsheet

Actions still pending:

1. Using our website to point to relevant measurement or modelling datasets for the Southern Hemisphere. We should try to discuss with Megan how best to do this, including formulating a template for key information.
2. **Action – ALL** - Please add published papers on the Southern Hemisphere atmosphere, to our library collection - see: https://www.zotero.org/groups/2185852/sh_atmoschem_library