



# The 3rd CATCH Open Science Workshop

## Monday, May 9, 2022

### Linking biogeochemistry to aerosol-cloud interactions in the Southern Ocean and Antarctic: Plenary session: PICCAASO's grand challenges (5:00 AM - 8:00 AM)

time	[id] title	presenter
5:00 AM	[122] Poster Session	
6:00 AM	[79] Introductions and welcome	
6:10 AM	[80] Keynote: A circum-Antarctic perspective on aerosol properties and processes: What we know and what we wish we knew	SCHMALE, Julia
6:40 AM	[81] Keynote: New findings from Southern Ocean Cloud-Aerosol-Precipitation-Radiation Field Campaigns in 2017-18 and Needs for Future Observations	MCFARQUHAR, Greg
7:10 AM	[82] Lightning talks for poster introductions and general discussion	

### Linking biogeochemistry to aerosol-cloud interactions in the Southern Ocean and Antarctic: Round the world session - Campaigns and logistics (11:00 AM - 2:00 PM)

time	[id] title	presenter
11:00 AM	[118] Poster Session and Informal Discussion	
12:00 PM	[83] Introductions and overview of discussion from previous sessions	
12:10 PM	[111] DMS and MeSH fluxes during Sea2Cloud	ROCCO, Manon
12:25 PM	[85] New particle formation around the Antarctic Peninsula	BREAN, James
12:40 PM	[87] Evaluation of ocean dimethylsulfide concentration and emission in CMIP6 models	MICHOU, Martine
12:55 PM	[86] Updates to sulfur chemistry in the UM	REVELL, Laura
1:10 PM	[88] Discussion	

### Linking biogeochemistry to aerosol-cloud interactions in the Southern Ocean and Antarctic: Round the world session - What do we need to improve our models? (8:00 PM - 11:00 PM)

time	[id] title	presenter
8:00 PM	[121] Poster session and informal discussion	
9:00 PM	[89] Introductions and overview of discussion from previous sessions	
9:10 PM	[90] Defining the "Polar Front"	FIDDES, Sonya
9:25 PM	[112] Evaluation of methods to estimate dry marine aerosol surface area from bulk optical measurements over the Southern Ocean	MOORE, Kathryn
9:40 PM	[92] Importance of remote marine aerosol	REGAYRE, Leighton
9:55 PM	[93] ESMs + biogeochemistry to clouds	BURROWS, Susannah

10:10 PM	[94] Discussion	
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