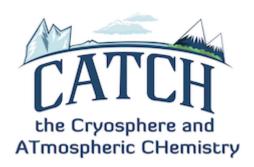
Session Program

9-13 May 2022



The 3rd CATCH Open Science Workshop Polar halogen chemistry and interlinked processes

Zoom and Gathertown

Wednesday 11 May

07:00

Polar halogen chemistry and interlinked processes: Plenary session, presentation and discussions Session | Location: zoom 07:00-08:00 Poster Session & Informal Discussions Location gatherTown 08:00-08:10 Introductions and welcome Location zoom 08:10-08:20 Insights into multiphase iodine chemistry in cold environments Speaker Antoine Roger Roose Location zoom 08:20-08:30 Halogens in Ice Core Records Speaker Andrea Spolaor Location zoom 08:30-08:40 Modeling snowpack emissions and recycling of Arctic bromine and chlorine Shaddy Ahmed Location zoom 08:40-08:50 Interfacial supercooling and the precipitation of hydrohalite in frozen NaCl solutions as seen by X-ray absorption spectroscopy Speaker Thorsten Bartels-Rausch Location zoom 08:50-09:00 Impacts of Surface and Blowing Snow Sources of Arctic Bromine Activation Speaker Louis Marelle Location

09:00-10:00 Questions and Discussion

zoom

Location 700m

10:00

11:00

Polar halogen chemistry and interlinked processes: Round the world session

Session | Location: zoom

11:00-12:00 Poster Session & Informal Discussion

Location

gatherTown

12:00-12:10 Introduction & Summary

Location

zoom

lodine chemistry over the Southern Ocean 12:10-12:20

Speaker

Anoop Mahajan

Location

zoom

12:20-12:30

New particle formation over the high Arctic pack ice by enhanced iodine emissions

Speaker

Andrea Baccarini

Location

700m

lodine chemistry in the polar regions 12:30-12:40

Speaker

Lucy Carpenter

Location

zoom

12:40-12:50 Atmospheric sea-salt and halogen cycles in the Antarctic

Speaker

Keiichiro Hara

Location

zoom

Questions and Discussion 12:50-13:50

Location

zoom

14:00 20:00

Polar halogen chemistry and interlinked processes: Round the world session

Session | Location: zoom

20:00-21:00 Poster Session & Informal Discussion

Location gatherTown 21:00-21:10 Introduction Location zoom 21:10-21:20 Artificial neural network simulations of BrO in the Arctic troposphere Speaker Anne Blechschmidt Location zoom 21:20-21:30 The influence of snow on Arctic halogen chemistry Speaker Kerri Pratt Location zoom 21:30-21:40 Horizontal and vertical distributions of reactive bromine in the Arctic Speaker Bill Simpson Location zoom A cyclone-induced bromine explosion event in Ny-Âlesund, Svalbard 21:40-21:50 Speaker Xin Yang Location zoom 21:50-22:00 Role of blowing snow as a source of sea salt aerosol and halogens in polar regions **Speaker** Lyatt Jaegle Location zoom **Questions and Discussion** 22:00-23:00 Location

23:10

zoom