

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

Speaker

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

zoom

09:00–10:00

Questions and Discussion

10:00

11:00

Location

zoom

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

12:10–12:20

Iodine chemistry over the Southern Ocean**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

zoom

12:30–12:40

Iodine chemistry in the polar regions**Speaker**

Lucy Carpenter

Location

zoom

12:40–12:50

Atmospheric sea-salt and halogen cycles in the Antarctic**Speaker**

Keiichiro Hara

Location

zoom

12:50–13:50

Questions and Discussion**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

21:40–21:50

A cyclone-induced bromine explosion event in Ny-Ålesund, Svalbard**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

22:00–23:00

Questions and Discussion**Location**

zoom

23:10