

# ICM-12 Agenda

16-20 November 2020

Virtual meeting

**Host:** GoTo meeting (log in details will be distributed by email)

**Organizers:** Ruud Dirksen (DWD), Peter Thorne (Maynooth), David Smyth (Maynooth), Caterina Tassone (WMO), Tim Oakley (WMO), Howard Diamond (NOAA), June Wang (U Albany), Marion Maturilli (AWI), Dale Hurst (NOAA), Stephanie Evan (LACy)

Due to the global Covid-19 situation, this year's meeting will be organized as a condensed, virtual meeting in the week of 16-20 November 2020. The meeting will be a 5-days series of 2 hour video conferences during which the most essential topics are discussed.

The timing of the sessions is rotating in an attempt to evenly spread the burden of unfavourable hours over all participants from various time zones.

Times in UTC

## Monday 16 November

**Chairs:** Marion Maturilli & Dale Hurst

*Rapporteurs:* Marion Maturille & Dale Hurst

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### **Session 1 - Site presentations**

1 - 1	14:00 - 14:10	Network status overview	Ruud Dirksen
1 - 2	14:10 - 14:30	Overview GRUAN data flow	Michael Sommer
1 - 3	14:30 - 14:45	Update on AirCore flights at Sodankylä	Rigel Kivi
1 - 4	14:45 - 15:00	New site introduction for Hong Kong	Olivia Shuk-ming Lee
1 - 5	15:00 - 15:15	New site introduction/update for Trappes and Reunion	Jean-Charles Dupont
1 - 6	15:15 - 15:30	New site introduction for Faa'a (Tahiti) and others	Frédéric Marin
1 - 7	15:30 - 15:45	Update on ARM GRUAN sites	Evan Keeler
1 - 8	15:45 - 16:00	Key common challenges	chairs

**Tuesday 17 November****Chair: June Wang.**Rapporteur: *Ruud Dirksen*

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**Session 2 - New GRUAN data products**

2 - 1	20:00 - 20:20	GNSS-PW	Galina Dick
2 - 2	20:20 - 20:50	Modem M10 GDP	Jean-Charles Dupont et al.
2 - 3	20:50 - 21:00	Lidar	Thierry Leblanc
2 - 4	21:00 - 21:10	ASOPOS 2.0: Involvement GRUAN together with GAW-NDACC and IOC	Herman Smit
2 - 5	21:10 - 21:30	Meisei IMS-100 (& RS11G)	Shunshuke Hoshino

**Flash updates**

2 - 6	21:30 - 21:35	MWR	Nico Cimini
2 - 7	21:35 - 21:40	Ozone	Richard Querel
2 - 8	21:40 - 21:45	Graw	Ruud Dirksen
2 - 9	21:45 - 22:00	Wrap up	chair

**Wednesday 18 November****Chair: Ruud Dirksen***Rapporteur: June Wang*

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**Session 3 - R-23 replacement**

3 - 1	19:00 - 19:10	Introduction - overview of situation regarding R-23	Ruud Dirksen
3 - 2	19:10 - 19:35	Results of CFH test flights with ethanol/dry ice	Christian Rolf
3 - 3	19:35 - 20:00	The development of the Peltier-based CFH (PCFH)	Teresa Jorge/Frank Wienhold
3 - 4	20:00 - 20:10	Report on tests in Lindenberg	Ruud Dirksen
3 - 5	20:10 - 20:15	Report on tests in Boulder	Dale Hurst
3 - 6	20:15 - 20:40	Status of the Meisei Skydew instrument	Takuji Sugidachi
3 - 7	20:40 - 20:55	Discussion	Chair

**Thursday 19 November****Chair: Peter Thorne***Rapporteur: David Smyth*

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**Session 4 - New science (optional)**

4 - 1	14:00 - 14:20	Understanding balloon-borne frost point hygrometer measurements after contamination by mixed phase clouds	Teresa Jorge
4 - 2	14:20 - 14:40	Model validation (TBC)	Fabien Carminati
4 - 3	14:40 - 15:00	Empirical estimation of random uncertainties and error covariance matrices from radiosondes, radio occultations and	Joe Nielsen
4 - 4	15:00 - 15:20	Understanding the quality of radiosonde descent data	Bruce Ingleby
4 - 5	15:20 - 15:40	Stratospheric Aerosol monitoring	Greg Frost (INVITED)
4 - 6	15:40 - 16:00	Uncertainties	Tom Gardiner
4 - 7	16:00 - 16:10	Results from the CONCIERTO Balloon campaigns at Maïdo	Stephanie Evan

**Friday 20 November****Chair: David Smyth***Rapporteur: Peter Thorne*

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**Session 5 - RS41 data product**

5 - 1	11:00 - 11:20	RS41 GRUAN Data product - version 1	Michael Sommer
5 - 2	11:20 - 11:40	Position uncertainties in the RS41 GDP	Tzvetan Simeonov
5 - 3	11:40 - 12:00	RS41 solar radiation correction - laboratory experiments and implementation in the GRUAN data product	Christoph von Rohden
5 - 4	12:00 - 12:15	Discussion	chair
5 - 5	12:15 - 12:35	Accuracy of Vaisala RS41 and RS92 upper tropospheric humidity compared to satellite hyperspectral infrared measurements	Bomin Sun
5 - 6	12:35 - 12:55	NPROVS feedback on GRUAN uncertainty (RS92 vs RS41) using RIVAL	Tony Reale
5 - 7	12:55 - 13:15	DVAS analysis software for radiosonde intercomparisons	Frederic Vogt
5 - 8	13:15 - 13:35	Calibration of RS41 humidity sensors using upper-air simulator at KRISS	Sang-Wook Lee
5 - 9	13:35 - 13:55	Interpolation uncertainty of Vaisala RS41 temperature profiles	Alessandro Fasso