

## Environmental Physics Division Fachverband Umweltphysik (UP)

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### Overview of Invited Talks and Sessions

(Lecture halls: MOL/0213, ZEU/0160 and HSZ/AUDI; Posters: HSZ OG1)

#### Plenary Talk of the Environmental Physics Division

PV V Tue 9:45–10:30 HSZ/AUDI **The European Destination Earth initiative – a paradigm change for weather and climate prediction — •PETER BAUER**

#### Invited Talks

UP 2.1 Wed 11:00–11:30 MOL/0213 **Volcanic radiative forcing: past and future — •ANJA SCHMIDT**

UP 7.1 Thu 11:00–11:30 MOL/0213 **Towards monitoring of anthropogenic greenhouse gas emissions from satellites — •HARTMUT BÖSCH, ANTONIO DI NOIA, NEIL HUMPAGE, ALEX WEBB, HARJINDER SEMBHI, ROBERT PARKER, MICHAEL BUCHWITZ, MAX REUTER, OLIVER SCHNEISING, STEFAN NOEL, HEINRICH BOVENSMANN**

UP 8.1 Thu 14:00–14:30 MOL/0213 **Destabilization of carbon in tropical peatlands by enhanced weathering — •ALEXANDRA KLEMME, TIM RIXEN, MORITZ MÜLLER, JUSTUS NOTHOLT, THORSTEN WARNEKE**

UP 8.2 Thu 14:30–15:00 MOL/0213 **Widespread forest decline in central Europe following three extreme summers in 2018-2020 — •ANA BASTOS**

#### Invited Talks of the joint Symposium Strange Clouds – from the Earth to Exoplanets (SYSC)

See SYSC for the full program of the symposium.

SYSC 1.1 Tue 11:00–11:20 HSZ/0004 **Not all clouds are created equal – strange clouds in our solar system — •THOMAS LEISNER**

SYSC 1.2 Tue 11:20–11:45 HSZ/0004 **Clouds to the Edge of Space — •GERD BAUMGARTEN, RONALD EIXMANN, JENS FIEDLER, MICHAEL GERDING, MYKHAYLO GRYGALASHVYLY, FRANZ-JOSEF LÜBKEN, ASHIQUE VELLALASSERY, CHRISTIAN VON SAVIGNY, ROBIN WING**

SYSC 1.3 Tue 11:45–12:10 HSZ/0004 **The dynamic clouds of Venus — •JAVIER PERALTA**

SYSC 1.4 Tue 12:10–12:35 HSZ/0004 **Observational constraints of exoplanet clouds — •NICOLAS IRO**

SYSC 1.5 Tue 12:35–13:00 HSZ/0004 **Gemstone clouds in JWST target exoplanets — •DOMINIC SAMRA, CHRISTIANE HELING**

#### Sessions

UP 1.1–1.5 Tue 16:45–18:00 ZEU/0160 **Clouds in Planetary Atmospheres (joint session EP/UP)**

UP 2.1–2.5 Wed 11:00–12:30 MOL/0213 **Volcanic Effects on Atmosphere and Climate**

UP 3 Wed 13:00–14:00 MOL/0213 **Members' Assembly**

UP 4.1–4.6 Wed 14:00–15:30 MOL/0213 **Aerosols & Hydrological Cycle**

UP 5.1–5.4 Wed 16:00–17:00 MOL/0213 **Measurement Techniques and Simulations**

UP 6.1–6.4 Wed 17:30–19:00 HSZ OG1 **Poster**

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UP 7.1–7.4	Thu	11:00–12:15	MOL/0213	<b>Greenhouse Gases: Remote Sensing</b>
UP 8.1–8.3	Thu	14:00–15:15	MOL/0213	<b>Carbon Cycle &amp; Climate Change</b>

### **Members' Assembly of the Environmental Physics Division**

Wednesday 13:00–14:00 MOL/0213

- Report on last year's activities
- Election
- Any other business