

**Monday, February 13, 2023, 09.15-18.00**

**UniS Room 201**

**09.15 – 09.30** **Thomas Stocker**, Welcome and Introduction to the 2023 KUP PhD Day

**Session 1** Chairs: **Fabrice Lacroix, Stéphanie Musy**

**09.30 – 09.50** **Geunwoo Lee**, Geochemical characterization of single particles in ice cores using single particle ICP-TOFMS

**09.50 – 10.10** **Chantal Zeppenfeld**, Characterization of particle size and concentration in the EastGRIP ice core

**10.10 – 10.30** **Chantal Hari**, *Wyss Academy for Nature*, Combining future projections of land-use and climate change impacts on biodiversity

**10.30 – 10.50** Discussion

**10.50 – 11.10**

**COFFEE BREAK**

**Session 2** Chairs: **Markus Adloff, Anne Morée**

**11.10 – 11.30** **Christian Wirths**, Simulating Antarctica's evolution from the past to the present, and into the future

**11.30 – 11.50** **Onno Doensen**, Effects of climate variability and change on cyclones in the Mediterranean

**11.50 – 12.10** **Natacha Legrix**, Compound extreme events in the ocean

**12.10 – 12.30** Discussion

**12.30 – 13.30**

**LUNCH BREAK UniS Restaurant**

**13.30 – 13.50**

**GROUP PHOTO**

**Session 3** Chairs: **Lucas da Silva, Yona Silvy**

**14.00 – 14.20** **Lison Soussaintjean**, Investigating the processes of in situ production of N<sub>2</sub>O in polar ice cores using stable isotopes

**14.20 – 14.40** **Michaela Mühl**, Using stable isotopes and higher alkanes to improve methane cycle reconstructions on polar ice cores

**14.40 – 15.00** **Stefan Räss**, Feasibility study of clumped isotope measurements with an Elementar isoprime precisiON IRMS

**15.00 – 15.20** Discussion

**Session 4** **Wrap Up**

**15.20 – 15.40** Critical Summary by the Session Chairs

**15.40 – 15.50** Hubertus Fischer, Outlook

**16.00 – 17.30**

**Apéro Prepared by the Postdocs**

**ExWi Entrance Hall**