

**Croatian-Swiss Research Programme (CSRP)**  
**“Severe Weather over the Alpine-Adriatic region in a Changing Climate (SWALDRIC)”**  
**2<sup>nd</sup> Annual (Hybrid) Project Meeting, Friday, October 29, 2021,**

**Location: Institute for Atmospheric and Climate Sciences, ETH Zürich, CHN L17.1,  
Universitätsstrasse 16, Zürich**

Onsite participation requires 3G certificate (“geimpft, getestet, genesen – vaccinated, tested, recovered”). Please have it ready as you might be asked to show it in the CHN building.

For online participation, please use the following zoom link:

<https://ethz.zoom.us/j/67968666242>

Meeting ID: 679 6866 6242

**-Agenda-**

10:00-10:20 Welcome, Introduction and overview of the SWALDRIC project (Maja Telišman-Prtenjak and Christoph Schär)

Introduction of new participants

***Presentations of Phd students working on SWALDRIC project***

Chair: Maja Telišman-Prtenjak

(Each student has 20 min for presentation and 5 min for questions)

10:20-10:45 Characteristics of hail in the coastal part of the Adriatic (Damjan Jelić)

10:45-11:10 Simulating hailstorms over the Alpine-Adriatic Region using WRF and COSMO (Barbara Malečić)

11:10-11:35 Severe Convective Events over the Alpine-Adriatic Region in Convection-Resolving Simulations under Current and Future Climate Conditions (Ruoyi Cui)

***Invited presentations***

Chair: Nikolina Ban

(Presenters should leave around 1-2 min for questions)

11:35-11:50 The scCLIM project (David N. Bresch)

11:50-12:00 European scale scCLIM simulations (Marie-Estelle Demory)

12:00-13:30 [Lunch Break](#)

- 13:30-13:40 Update on ICON Hailcast and LPI at MCH (Xavier Lapillonne)
- 13:40-13:55 Swiss Hail Climatology (Katharina Schroeer)
- 13:55-14:10 Swiss summer hail of 2021 (Jerome Kopp)
- 14:10-14:20 Evaluation of a hail damage mitigation campaign over the Swiss plateau (Nikos Papaevangelou)
- 14:20-14:30 A Weather-Type Classification over the Adriatic Region from the RCM models (Andreina Belušić)
- 14:30-14:40 Use of COSMO climate simulations for detecting climate change impact on viticulture in Croatia (Branimir Omazić)
- 14:40-14:50 Measurements, simulations and analysis of bora flows (Željko Večenaj & Branko Grisogono)
- 14:50-15:00 Topographic effects on longwave and shortwave surface radiation in the regional climate model COSMO (Christian Steger)
- 15:00-15:10 EXCLAIM (Christoph Schär)

### ***Discussion***

Chair: Christoph Schär

- 15:10-15:45 To resolve remaining questions/points - depends on the need
- Decade-long simulations – plan for running and sharing the data
  - Model intercomparison?
  - Administrative aspects:
    - Project extension - update
    - Scientific Reports
    - Final Project Meeting
- 15:45-16:00 Wrap-up and Goodbye (C. Schär)