

ACTRIS-CH annual meeting 2025

Dates: 2 – 3 July, 2025

Location: MeteoSwiss, Payerne

Invitees: Petra Zimmermann, Claudia Mohr, Alexis Berne, Konstantina Vasilatou, Ulrike Lohmann, Martial Haeffelin, Ulas Im, Thanos Nenes.

Day 1 (Wed 2 July): internal participants and invited guests	
Time	Activity/Speaker
10:30 – 10:45	Arrival at MeteoSwiss with coffee
Session 1: Current and emerging trends in atmospheric RIs: focus on aerosol and cloud REM (Martin Gysel-Beer)	
10:45 – 10:55	Martin Gysel-Beer (PSI) and Martine Collaud Coen (MeteoSwiss) Welcome
10:55 – 11:05	Petra Zimmermann (MeteoSwiss), MeteoSwiss & data centers
11:05 – 11:15	Claudia Mohr (PSI), ETH domain & cloud chemistry
11:15 – 11:35	Alexis Berne (EPFL) Cloud Research Activities at EPFL
11:35 – 11:55	Martial Haeffelin (IPSL), Overview of CRES in ACTRIS & at Palaiseau research facility
Session end	
11:55 – 12:50	<i>Lunch</i>
12:50 – 13:10	<i>Watch the radio sounding</i>
Session 1 continued (Alexander Haefele)	
13:15 – 13:35	Ulrike Lohmann (ETHZ), Cloud research activities at ETHZ (Ulrike Lohmann)
13:35 – 13:55	Ulas Im (Aarhus Univ.), Cloud modeling and the CleanCloud project
Session end	
Session 2: Status updates and visions from within ACTRIS-CH (Rob Modini)	
14:00 – 14:15	Short intro of all ACTRIS-CH partners (3 min and 2 slides per partner)
14:15 – 14:30	
14:30 – 14:45	Fiona Tummon (MeteoSwiss) & Konstantina Vasilatou (Metas) Bioaerosols
14:45 – 15:00	Gianni Martucci (MeteoSwiss) (Renaud Matthey, UniBE) Aerosol Remote Sensing at Payerne
15:00 – 15:15	Gunter Stober (UniBE) Cloud remote sensing at Payerne and remote sensing related research by UniBE
Session end	
15:15 – 15:30	<i>Coffee break</i>
15:30 – 16:30	<i>Payerne station visit: in-situ aerosol (PSI), bio- aerosol (Fiona Tummon), aerosol and cloud remote sensing (see between Renaud, Maxime</i>

	<i>and Gianni), SBRN (Laurent Vuilleumier/Alexander), SMN (can be eventually omitted), Somora (Eliane or Axel), Nabel (Stephan)??</i>
Session 3: Making ACTRIS-CH more than the sum of its parts: exploiting the synergies in Payerne (Martine Collaud Coen)	
16:30 – 16:45	Alexander Haefele (MeteoSwiss) E-PROFILE and other MeteoSwiss-ACTRIS connections
16:45 – 17:00	Thanos Nenes (EPFL) PERICLES and ReClean projects
17:00 – 18:00	Discussion session: collaborative research opportunities including ACTRIS-Next (Martial Haeffelin), and joint project/proposal ideas (led by Martin Gysel-Beer & Martial Haeffelin)
Session end	
18:00 – 19:30	<i>Individual transfer to Murten</i>
19:30 – ~21:30	<i>Dinner (in Murten)</i>

Day 2 (3 July): internal participants	
Session 1: ACTRIS-CH news and results (Renaud Matthey)	
9:00 – 9:15	30 years of BTEX measurements in Dübendorf (Zoé Le Bras)
9:15 – 9:30	Pushing the limits of the Swisens Poleno - developing an operational model and targeting fungal spores (Fiona Tummon)
9:30 – 9:40	Bioaerosol measurements in Payerne for the BIOPSI project (Lubna Dada/Rawan Ajaj)
9:40 – 9:55	Aerosol remote sensing: lidar depolarization measurement status (Renaud Matthey)
9:55 – 10:10	Radiation closure experiments for EarthCARE validation (Stelios Kazadzis)
10:10 – 10:25	The PMODWRC role and activities in the ACTRIS calibration of aerosol remote sensing (Stelios Kazadzis)
Session end	
10:25 – 10:45	<i>Coffee break</i>
Session 2: ACTRIS-CH news and results (Beni Brem)	
10:45 – 11:00	Prospectives of measuring cloud droplets and ice particles using the Swisens Poleno (Maria Lbadaoui-Darvas and Cuiqi Zhang)
11:00 – 11:15	INP measurements during PERICLES (May-Aug 2023, Payerne) and PALMS (Jan-Feb 2024, JFJ) campaigns (Cuiqi Zhang)
11:15 – 11:30	Cloud property measurements on SBO (Nov-Dec 2022, Aug-Sep 2024) and JFJ (expected to start in Jun 2025) (Cuiqi Zhang)

11:30 – 11:45	In situ polar nephelometer measurements in Payerne and Granada (Aliko Christodoulou/Martin Gysel-Beer)
11:45 – 12:00	Aerosol source apportionment at JFJ (Leila Simon)
12:00 – 12:15	Near-real-time quality assurance of BRM and JFJ trace gas measurements (Pascal Rubli, Empa)
12:15 – 12:30	Updates on aerosol in situ data chains (Beni Brem/Leila Simon)
Session end	
12:30 – 13:30	<i>Lunch</i>
Session 3: Wrap up discussion and planning for next steps (Martin Gysel-Beer)	
13:30 – 15:00	Group discussion session including: <ul style="list-style-type: none"> - Compilation and recording of joint proposal ideas - Designations of lead persons - Joint papers - ...
Session end	
15:00	<i>Departure from MeteoSwiss</i>