Schweizerische Eidgenossenschaft
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Swiss Confederation

Federal Department of Home Affairs FDHA
Federal Office of Meteorology and Climatology MeteoSwiss

MeteoSwiss

Summer Course / Advanced Course on automatic and real-time pollen monitoring

The IAA Advanced Aerobiology course series is aimed at understanding aerobiological processes and providing a solid background for the interpretation of aerobiological observations. The courses deal with fundamental or applied aerobiological topics and are in most cases focused on one topic.

AA2019 Advanced Aerobiology Course, 25-31 August 2019, Payerne (Switzerland)

Organised by the **Federal Office of Meteorology and Climatology MeteoSwiss** under the aegis of the **International Association for Aerobiology** (IAA) and the **EUMETNET Programme AutoPollen.**

Course themes: automatic and real-time pollen monitoring, instrument calibration, data analysis, machine learning, influence of weather parameters. Small groups of participants will focus on particular topics of interest in greater depth and present a summary of their work at the end of the course.

Organisers: Bernard Clot, Benoît Crouzy, Fiona Tummon

Teachers/lecturers: J. Buters, B. Clot, B. Crouzy, T. Könemann, D. O'Connor, B. Sikoparija, C. Skjoth, M. Sofiev, F. Tummon

Provisional course plan: (L=lectures, P=practical exercises)

Sunday 25:	arrival of participants
Monday 26:	automatic and real-time pollen monitoring, state-of-the-art, requirements (L); demonstration of instruments by providers (L+P); participants workshop
Tuesday 27:	instrument comparison, validation, introduction to machine learning (L); calibration of instruments, analysis of calibration data (P); introduction to machine learning (P)
Wednesday 28:	influence of weather, time series analysis (L); afternoon and evening: excursion and dinner
Thursday 29:	other (bio-)aerosols and air quality monitoring (L); exercises with machine learning, time series analysis (P)
Friday 30:	exercises (continued) (P); Workshop on users' needs and product development; evaluation; visit of MeteoSwiss Aerological station
Saturday 31:	presentations of results by participants/groups; noon: end of the course

Course fees (including course material, meals and excursion): for members of the IAA and affiliated societies, as well as EUMETNET AutoPollen participants: CHF 450.- (please announce affiliation at the time of registration). For all others: CHF 550.-

Accommodation: 6 nights in a double room CHF 400.- (single room occupancy CHF 580.-), at a nearby hotel with transportation included.

Number of participants: min. 15 – max. 30

Registration deadline: 28 February 2019

Pre-registration: please send an email with the subject "AA2019 Payerne" to secretariat.payerne@meteoswiss.ch