

Schedule for eScience (FORCeS & GEO4990) winter course 2020 (4.11.-13.11., formerly in Tjärnö, Sweden, now in virtual space)

Organizers: Michael Schulz (MetNo & University of Oslo, Norway, michaels@met.no) and Paul Zieger (Stockholm University, Sweden, paul.zieger@aces.su.se)

	Wednesday 4.11.	Thursday 5.11.	Friday 6.11.	Saturday 7.11.	Sunday 8.11.	Monday 9.11.	Tuesday 10.11.	Wednesday 11.11.	Thursday 12.11.	Friday 13.11.	
9:00 - 10:00		Lecture 1 (Thanos)	Lecture 4 (Claudia)	Group work	Free day	Lecture 7 (Johannes)	Lecture 8 (Michael)	Group work	Group work	Final presentation s by students	
10:00 - 10:30		Coffee break	Coffee break	Coffee break		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10:30 - 11:30		Group work	Group work	Group work		Group work	Group work	Lecture 9 (Philip)	Group work	Final presentation s by students	
11:30 - 13:00		Lunch break	Lunch break	Lunch break		Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	
13:00 - 14:00		Lecture 2 (Tuomo)	Lecture 5 (Ilona)	Group work		Info on report requirements (Paul, Michael) + Tricks for publishing with Jupyter (Anne)	Group work	Lecture 10 (Kicki)	Group work	Group work	Final presentation s by students
14:00 - 15:00		Group work	Group work + Hacky hour								
15:00 - 15:30	Welcome fika	Fika break	Fika break	Fika break		Fika break	Fika break	Fika break	Fika break	Fika break	Fika break
15:30 - 16:30	Welcome and introduction (Paul & Michael)	Lecture 3 (Michael + Jonas)	Lecture 6 (Ulrike)	Group work		Group work + Hacky hour	Group work + Hacky hour	Group work	Group work	Group work	Wrap-up and Feedback
16:30 - 17:30	Self-introduction of participants (all)	Group work				Student quick Initial work presentations	Group work	Group work	Group work	Group work	
17:30 - 18:00		Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)			Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)	Forum (daily feedback / Q&A)
18:00 - 19:00	Dinner	Dinner	Dinner		Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	
19:00 - 20:00	Free working time (help available)	Icebreaker on wonder.me	Free working time (help available)	Free working time	Free working time (help available)	Free working time (help available)	Free working time (help available)	Free working time (help available)	Free working time (help available)		

* Help will also be available during the group work and after dinner via board.net IT page and individual group zoom channels.

Lectures (45 min + 15 min for Q&A)

1. **Introduction to aerosols and clouds** (Athanasios Nenes, EPFL, Switzerland) Thursday, 5.11., 9:00-10:00
2. **Aerosol number size distribution and dynamics, including new particle formation** (Tuomo Nieminen, University of Helsinki, Finland) Thursday, 5.11., 13:00-14:00
3. **Model database structures and observational data** (Michael Schulz + Jonas Gliss, MetNo & University of Oslo, Norway) Thursday, 5.11., 15:30-16:30
4. **Chemical composition of aerosols** (Claudia Mohr, Stockholm University, Sweden) Friday, 6.11., 9:00-10:00
5. **Cloud activation, aerosol processing and scavenging** (Ilona Riipinen, Stockholm University, Sweden) Friday, 6.11., 13:00
6. **Cloud microphysical processes** (Ulrike Lohmann, ETZ Zürich, Switzerland) Friday, 6.11., 15:30-16:30
7. **Climate forcing** (Johannes Quaas, University of Leipzig, Germany) Monday, 9.11., 9:00-10:00
8. **Historical climate evolution** (Michael Schulz, MetNo & University of Oslo, Norway) Tuesday, 10.11., 9:00-10:00
9. **Climate response** (Philip Stier, University of Oxford, U.K.) Wednesday, 11.11., 9:00-10:00
10. **Volcano forcing of climate** (Kirstin Krüger, University of Oslo, Norway) Wednesday, 11.11., 13:00-14:00

All lectures will be given on Zoom (see extra document with technical details).



UiO



Norwegian
Meteorological
Institute



Stockholms
universitet

