

2020 Annual Meeting

Agenda

Wednesday 4 November

10:00 – 10:20 Registration and coffee

Opening session

Chair: Brit Lisa Skjelkvåle

10:20 – 10:30 Welcome
Brit Lisa Skjelkvåle, head of the department Geosciences

10:30 – 11:00 Summary of LATICE progress
Lena M. Tallaksen

11:00 – 11:30 HydroJULES. How to combine the best of two worlds
Advisory Board member Eleanor Blyth, CEH Wallingford

11:30 – 12:00 Disentangling land use-induced from climate-induced vegetation changes in the northern boreal and Arctic regions of Norway
Invited talk by Jarle Bjerke, NINA Tromsø

12:00 – 12:20 Discussion

12:20 – 13:30 Lunch

LATICE Field sites – Ecohydrological observations in cold environments

Chair: Ane Vollsnes

13:30 – 13:50 LATICE-Flux: Status and future plans for Finse, Iškoras and Hisåsen
Norbert Pirk, GEO

13:50 – 14:00 Isotope signatures of water vapour, snowfall and snow pack at Finse
Mika Lanzky, GEO

14:00 – 14:10 Linking hydrology and greenhouse gas evasion in high-latitude catchments
Andrea Popp, GEO

14:10 – 14:20 Cold climate container: status and plans
Simon Filhol, GEO

14:20 – 14:40 Discussion

14:40 – 15:00 Coffee break with fruit

15:00 – 16:00 Walk and Talk (groups of 2-3) – topic of own choice

Land surface processes, observation and modelling

Chair: Kjetil S. Aas

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| 16:00 – 16:30 | Detailed mass balance modeling of the Hardangerjøkulen ice cap in south-central Norway with a snow model driven by WRF
<i>Advisory Board member Roy Rasmussen, NCAR</i> | |
| 16:30 – 17:00 | Linking leaves to global climate: understanding terrestrial ecosystems in changing environments
<i>Invited talk by Danica Lombardozzi, NCAR</i> | |
| 17:00 – 17:15 | Discussion | |
| 17:15 – 18:15 | Rest break | |
| 18:15 – 19:30 | Poster session with drinks | <i>Chair: Norbert Pirk</i> |
| 19:30 | Dinner | |

Thursday 5 November

Land surface processes, observations and modelling, cont.

Chair: Kjetil S. Aas

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| 09:00 – 09:30 | Prediction and Land-Atmosphere Coupling on Weather Time Scales at MET Norway
<i>Invited talk by Jørn Kristiansen, MET Norway</i> | |
| 09:30 – 09:40 | Constraining land surface models in cold regions using satellite retrievals
<i>Kristoffer Aalstad, GEO</i> | |
| 09:40 – 09:50 | Scandinavian snow cover phenology from MODIS, CLM, and reanalyses
<i>Yeliz Yilmaz, GEO</i> | |
| 09:50 – 10:00 | From trees to cloud seeds -- biogenic influence on new particle formation in NorESM
<i>Sara Marie Blichner, GEO</i> | |
| 10:00 – 10:15 | Discussion | |
| 10:15 – 10:45 | Coffee break and check out | |

Land surface processes, observations and modelling, cont.

Chair: Terje Berntsen

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| 10:45 – 11:00 | Controls of carbon cycling-atmosphere, soil, water
<i>Heleen de Wit, NIVA / CBA</i> | |
| 11:00 – 11:10 | Representing microbial activity in a soil decomposition model
<i>Elin Cecilie Ristorp Aas, GEO</i> | |
| 11:10 – 11:20 | The importance of vegetation functional composition in mediating climate change impacts on ecosystem carbon dynamics in alpine grasslands
<i>Inge Althuizen, NORCE</i> | |

- 11:20 – 11:30 Advancing land surface model representations of high latitude vegetation
Peter Horvath, NHM
- 11:30 – 11:40 Plant hydraulic stress studied in experiments
Ane V. Vollnes, IBV

11:40 – 12:00 *Discussion*

12:00 – 13:10 Lunch

Land surface processes and modelling, cont.

Chair: Frode Stordal

- 13:10 – 13:20 The GreenBlue project
Terje Berntsen, GEO
- 13:20 – 13:30 CLM: progress and future plans in LATICE and later projects
Kjetil S. Aas, GEO
- 13:30 – 13:40 Progress on the CLM/FATES modelling platform
Hui Tang, GEO
- 13:40 – 13:50 Discussion

LATICE group discussions – Future opportunities, incl. joint papers

Chair: Yeliz Yilmaz

- 13:50 – 15:00 Topic 1: LSM developments – new ideas
Topic 2: LATICE Data catalogue and field work plans for 2021
Topic 3: Cold Climate Container
- 15:00 – 15:20 Summary of group discussions

Closing session

Chair: Olav Skarpaas

- 15:20 – 15:30 Climate House – First exhibition
Lasse Torben Keetz, NHM
- 15:30 – 15:45 Communication and Dissemination – Discussion
- 15:45 – 16:15 Closing remarks, including Advisory Board feedback (if feasible)
Lena M. Tallaksen, GEO
- 16:15 End of Meeting