

**Nordic Center of Excellence eSTICC:**

*eScience Tools for Investigating Climate Change in Northern High Latitudes*

**Third yearly meeting and general assembly**

**Stockholm**

**Wed 5th to Fri 7th October 2016**

**Draft program**

**Venue:** Stockholm University, Geoscience building, Högbomsalen (in the U building in the map below)

**Dinner:** Restaurant Aifur, Gamla Stan on Thursday 6.10. 19:00-21:30

**Registration and information on potential dietary restrictions:** to Matthias Brakebusch (matthias.brakebusch@aces.su.se) with cc: to eSTICC secretariat (esticc@nilu.no) by September 28st.



**Wednesday 5.10.2016**

12:00-13:00 Lunch and registration

13:00-14:00 WP 1 progress session

*Chairs: Ilona Riipinen and Michael Schulz*

* Michael Schulz: Progress in ESM evaluation within eSTICC (20 min)
* Ilona Riipinen (on behalf of Peter Tunved): Update on the eSTICC data portal development (20 min)
* Discussion on time and contents of a workshop focusing on Nordic climate related databases (20 min)

14:00-15:00 WP 2 progress session

*Chair: Rona Thompson and Aki Tsuruta*

* Rona Thompson: Estimates of CH4 fluxes in the high northern latitudes using FLEXINVERT (25 min)
* Aki Tsuruta: Methane budget estimates for northern high latitudes using CTE-CH4 and comparison with FLEXINVERT (35 min)

15:00-15:30 Coffee and fruit

15:30-16:30 WP 5 progress session

*Chairs: Helmut Neukirchen, Shuting Yang and Thomas Zwinger*

* Helmut Neukirchen, Shuting Yang, and Thomas Zwinger: WP5 High-Performance Computing Overview (12 min)
* Dorothée Vallot: Coupled glacier sliding and calving (12 min)
* Shahbaz Memon: Coupling glacier sliding and calving using a workflow tool (12 min)
* Thomas Zwinger: Optimization and porting environmental science codes (12 min)
* Shuting Yang: Porting and optimizing the EC-Earth on DMI/IMO's HPC (12 min)

Dinner on your own

**Thursday 6.10.2016**

09:00 Coffee and fruit

9:00-11:00 WP 3-4 progress session

*Chairs: Hannele Korhonen and Alf Grini*

* Hannele Korhonen: New MPI-ESM developments: SOA description and statistical representation of aerosol processes (25 min)
* Alf Grini: SOA / nucleation tests done with NorESM (25 min)
* Norbert Birk: Carbon cycling in Svalbard and Greenland (25 min)
* Thomas Toniazzo: Aquaplanet experiments, IFS + NorESM2 (25 min)
* Marianne Madsen: Climate-Greenland Ice Sheet interactions as simulated by EC-Earth coupled to the PISM ice sheet model (25 min)

11:00-12:00 WP 6 progress session

*Chairs: Antti Lauri and Ilona Riipinen*

* Michael Schulz: Applied methodologies for improved exchange between atmospheric e-Science Infrastructures at high latitudes (5 min)
* Gunilla Svensson (TBC): Introduction to climate modeling I and II (5 min)
* Michael Boy: First steps in atmospheric modelling (5 min)
* Antti Lauri: Climate Whirl at High Latitudes (5 min)
* Thomas Zwinger: eSTICC-related courses at CSC (5 min)
* TBC (on behalf of Tuula Aalto): Summer school on challenges in measurements of greenhouse gases and their interpretation (5 min)
* TBC (on behalf of Heikki Järvinen): data compression and updates about using OpenIFS on graduate courses (15 min)
* Discussion on the needs of the eSTICC student and post-doc community and future education activities (15 min)

12:00-13:00 Lunch

13:00-15:00 Session on the results from the eSTICC mobility grants

*Chairs: Andreas Stohl and Michael Boy*

* Juan Acosta Navarro: Interactions between land-use change and climate in the NorESM model (25 min)
* Risto Makkonen (on behalf of Roland Schrödner): Bioaerosols in EC-Earth (25 min)
* Ilona Riipinen (on behalf of Narges Rastak): Importance of organic particle hygrosopicity for capturing its climate effects in NorESM (25 min)
* Andreas Stohl (on behalf of Christine Groot Zwaaftink): Improving dust mobilization scheme of FLEXPART for Icelandic source regions (25 min)
* Michael Boy (on behalf of Emilie Örström): Development and evaluation of a new ELVOC chemistry gas phase scheme (25 min)

15:00-15:30 Coffee and fruit

15:30-17:00 Session for external visitors / potential collaborators and greetings from the SAB

*Chairs:Risto Makkonen and Shuting Yang*

* Nina Kirchner: Overview of the Bolin Centre activities (10 min)
* Anders Moberg: Bolin Centre database activities (10 min)
* Rodrigo Caballero: Climate modeling coordination within the Bolin Centre and Swedish eScience Research Centre SERC (10 + 15 min)
* Hamish Struthers: NSC advanced user support activities (15 min)
* Hannele Korhonen: NordicESM network (10 min)
* Greetings from the SAB (20 min)

19:00-21:30 Dinner at restaurant Aifur in Stockholm old town (Gamla Stan)

**Friday 7.10.2016**

09:00-09:30 Coffee and fruit

09:30-12:00 Discussion of future activities and mid-term report

*Chairs and moderators:* Ignacio Pisso and Andreas Stohl