



**Earth system modelling of climate
Variations in the Anthropocene**



EVA all-staff meeting

19-20 May 2015

Oslo, Norway

Scandic Solli, Parkveien 68, Oslo, Norway

Tuesday, 19 May 2015

12:00	Arrival at Scandic Solli (Oslo)
12:30-13:30	Lunch
13:30-13:45	Opening and introduction (Christoph Heinze)
13:45-14:05	CMIP6 overview (Trond Iversen)
14:05-14:15	Q&A concerning CMIP6
14:15-14:20	WP1: Processes in atmosphere and terrestrial biosphere (Jón Egill Kristjánsson/UiO, Alf Kirkevåg/Met.no)
14:20-14:35	Updates on new and improved treatments of aerosols and aerosol-cloud interactions in CAM5-Oslo towards CMIP6 (D1.1, m24) <i>Alf Grini</i>
14:35-14:50	Brief update on D1.3 (5 min. max): Implemented, tested, and evaluated interactive emission scheme for domestic combustion emissions based on heating-degree-day concept (D1.3, m24) <i>Massimo Cassiani</i> For compensation on delayed D1.3: Update on high-latitude GHG fluxes (also associated with task 4.3.6) (ca. 10 min.) <i>Rona Thompson</i>
14:50-15:05	Improved model treatment of the second aerosol indirect effect in

stratocumulus clouds (D1.4, m24) *Inger Helene H. Karset*

15:05-15:30 Coffee break

15:30-15:45 Updates and new perspectives of the heterogeneous ice nucleation scheme in NorESM2 (D1.5, m24) *Matthias Hummel*

15:45-15:50 **WP2: Processes and capabilities in ocean and cryosphere**
(Mats Bentsen/UniKlima, Jerry Tjiputra/UniKlima)

15:50-16:00 North Atlantic water mass transformation in NorESM *Detelina Ivanova*

16:00-16:15 Model code and documentation of upgraded ocean dynamical core and improved ocean processes (D2.1, m24) *Mats Bentsen*

16:15-16:25 Model code and documentation of improved ocean biogeochemical processes (D2.2, m24) *Jerry Tjiputra*

16:25-16:35 Model code and documentation of wind drift of snow on sea-ice (D2.3, m24) *Jens Debernard*

16:35-16:40 **WP3: Variability and feedback analysis**
(Helge Drange/UiB, Ivar Seierstad/Met.no)

16:40-16:50 Climate feedback of improved ocean biogeochemical processes (D3.4, m24) *Nadine Goris*

16:50-17:00 Understanding 2ntermodal spread in the CMIP5 projections of the North Atlantic storm tracks (D3.2, m36) *Laura Ciasto*

17:00-17:10 FLEXPART for NORESM: Validation and status of the application to the determination of evaporative source regions of water falling in Northern Europe (D3.3, m42) *Massimo Cassiani*

17:10-18:00 WP Discussion, part I

19:00 Dinner

Wednesday, 20 May 2015

8:45-8:50 **WP4: Overview on coupled NorESM development, evaluation, and community experiments** (Øyvind Seland/Met.no, Ingo Bethke/UniKlima)

8:50-9:05 Set up and test a first version of NorESM2 based on CESM1.2 and NorESM1 (D4.1, m12) *Øyvind Seland & Ingo Bethke*

9:05-9:20 Make available a complete validation package for all model components (D4.2, m18) *Detelina Ivanova & Michael Schulz*

9:20-9:35 Resources needed for NorESM2 simulations *Alok Gupta*

9:35-10:00 Q&A concerning NorESM2

10:00-10:05	WP5: Data management, dissemination, and coordination (Christoph Heinze/UiB, Trond Iversen/Met.no)
10:05-10:20	Virtual ESM exhibition for outreach and schools (D5.2, m24) <i>Christoph Heinze</i>
10:20-10:30	Dissemination and outreach <i>Christoph Heinze</i>
10:30-11:00	Coffee break
11:00-12:00	WP Discussion, part II
12:00-13:00	Lunch
13:00-14:30	Final Discussion
14:30-15:00	Coffee break, end of meeting