

UKESM NCSMC General Assembly: June 11-12 - NOC, Southampton

Day 1

8.30 - 9.00 Registration and coffee

9.00 - 10.30 The UKESM project and UKESM1:

Intro + overview - **Colin Jones (10 mins)** [Link to ppt](#)

UKESM1 science performance overview:

- The coupled model - **Alistair Sellar (20 mins)** [Link to ppt](#)
- Aerosols and chemistry - **Jane Mulcahy** [Link to ppt](#) and **Alex Archibald (30 mins)** [Link to ppt](#)
- Oceans and sea ice - **Andrew Yool** [Link to ppt](#) and **Till Kuhlbrodt (30 mins)** [Link to ppt](#)

10.30 - 11.00 Break

11.00 – 12.30 UKESM1 science performance and contributed talks:

The carbon cycle - **Andy Wiltshire (20 mins)** [Link to ppt](#)

UKESM1 with interactive Greenland Ice sheet: 1st results - **Vicky Lee (15 mins)** [Link to ppt](#)

4 contributed talks x 12 mins (10 mins talk plus 2min Q&A):

- **David Schroeder**: Robustness of simulated changes in sea ice properties in the North Atlantic during last 40 years [Link to ppt](#)
- **Yevgenii Aksenov**: Arctic dynamics and BGC in the UKESM1 [Link to ppt](#)
- **Antony Siahhan**: Preliminary Analysis of Antarctic oceanography in UKESM [Link to ppt](#)
- **Till Kuhlbrodt**: Ocean heat uptake in the UKESM1 historical and scenarioMIP simulations [Link to ppt](#)

12.30-13.30 Lunch

13.30 – 15.30 UKESM1 contribution to CMIP6 MIPs and contributed talks:

Status of scenarioMIP projections - **Colin Jones (15 mins)** [Link to ppt](#)

UKESM1 progress on MIPs and data on ESGF - **Jeremy Walton (15 mins)** [Link to ppt](#)

ESMValTool – **Valeriu Predoi (15 mins)** [Link to ppt](#)

6 Contributed talks x 12 mins (10 mins talk plus 2min Q&A):

- **Andrew Meijers**: ORCHESTRA's use of UKESM and CMIP models [Link to ppt](#)
- **Jon Robson**: ACSIS plans analysing UKESM1 simulations [Link to ppt](#)
- **Chris Jones**: The zero-emission commitment: UKESM1 and multi-model ZECMIP results [Link to ppt](#)
- **Rob Parker**: Exploring Constraints on a Wetland Methane Emission Ensemble with Satellite Observations [Link to ppt](#)
- **Alistair Sellar**: Some novel techniques for evaluation of Earth system processes [Link to ppt](#)

15.30– 16.00 Break

16.00– 17.30 Forward look and contributed talks:

UKESM1 with interactive Antarctic and Greenland - **Robin Smith (15 mins)** [Link to ppt](#)

UKESM1-FAST and future UKESM release plans - **Colin Jones (20 mins)** [Link to ppt](#)

4 Contributed talks x 12 min (10 mins talk plus 2min Q&A):

- **Andrew Yool**: Spin up and validation of the marine BGC in the UKESM1 [Link to ppt](#)
- **Adrian Martin**: Transport matrix method - an alternative to "Coarsening" in the spin-up process? [Link to ppt](#)

- **Julien Palmieri:** Marine biomes in UKESM1 [Link to ppt](#)
 - **Lee de Mora:** Methane Hydrates in the UKESM1 CMIP6 simulations [Link to ppt](#)
- 19.30 Meeting dinner at Dancing Man Brewery (<https://www.dancingmanbrewery.co.uk/>)
 Google maps: <https://goo.gl/maps/qLNiAz8sTGmhDYf69>

Day 2

8.30 - 9.00 Coffee

9.00 – 10.30 Forward look: Contributed talks and Break out group planning:

6 contributed talks x 12 mins (10 mins talk plus 2min Q&A):

- **Doug Kelley:** Progress towards UKESM-fire [Link to ppt](#)
- **Richard Pope:** Evaluation of atmospheric composition in UKESM [Link to ppt](#)
- **Adam Povey:** Evaluation of aerosol in the UKESM with an ensemble of satellite observations [Link to ppt](#)
- **Alex Archibald:** Looking at changes in the nitrate radical (1850-2100) [Link to ppt](#)
- **Garry Hayman:** Update on JULES & Atmospheric Deposition [Link to ppt](#)
- **Rob Parker:** UKESM1 evaluation: Opportunities from the ESA CCI [Link to ppt](#)

Break-out Groups (BoG): presentations and planning (30 mins)

10.30-11.00 Break

11.00 – 12.30 BoGs:

- **BoG 1:** Evaluating UKESM : ocean and sea ice (variables, processes, couplings, trends): **Andrew Yool** to lead.....*Room: 054/06 John Swallow Room (16p)*
- **BoG 2:** Evaluating UKESM1: atmosphere and land (variables, processes, couplings, trends): **Rob Parker** to lead*Room 125/06 Library Yellow Room (12p)*
- **BoG 3:** Analysing UKESM1 scenarioMIP projections: **Colin Jones** to lead*Room 125/08 Library Blue Room (12p)*
- **BoG 4:** Ice Sheets I (output for ISMIP/SLR projections): **Robin Smith/Vicky Lee** to lead*Room 344/44 Small meeting room (10p)*

12.30 – 13.30 Lunch (including Advisory Board meeting)

13.30 – 14.30 BoGs continue:

- **BoG 1:** Evaluating coupled modes of variability in UKESM1 : **Till Kuhlbrodt** to lead.....*Room: 054/06 John Swallow Room (16p)*
- **BoG 2:** Carbon cycle – climate interactions (evaluation of historical ++ and analysis of future projections): **Alistair Sellar and Doug Clark** to lead*Room 125/06 Library Yellow Room (12p)*
- **BoG 3:** Composition-climate interactions (evaluation of historical ++ and analysis of future projections): **Jane Mulcahy and Alex Archibald** to lead*Room 125/08 Library Blue Room (12p)*
- **BoG 4:** Ice Sheets II (including discussion and planning of UKESM1-is releases). **Robin Smith** to lead*Room 344/44 Small meeting room (10p)*

14.30 – 15.00 BoGs report back to plenary [Link to the reports from these BoGs](#)

15.00 -15.30 Break

15.30- 16.30 Final session and open discussion