



CCI CMUG Fourth Integration Meeting

Met Office, Exeter, 2-4 June 2014



Version: 13 - 28 May 2014

PROGRAMME

The CCI Fourth Integration meeting aims to:

1. Foster the use of CCI datasets in the climate modelling and research community,
2. Demonstrate ECV and CMUG Phase 1 results and examine the lessons learned,
3. Inform about ECV and CMUG Phase 2 planned activities,
4. Gain external perspective from experts,
5. Strengthen links between CCI and relevant climate projects/initiatives/coordinating bodies

Day One - Monday 2 June 10:00-18:10

09:00 Registration

10:00 – 12:10 WELCOME and KEYNOTES plenary session [Room CONF 2]

10:00 Welcome: Julia Slingo, Chief Scientist of the Met Office
ESA representative
Roger Saunders, Met Office, CCI CMUG

10:20 Keynote 1: *Integration of Remote Sensing in IRI's Climate and Environmental Monitoring Activities for Food Security, Human Health and Disaster Management*
Pietro Ceccato, Environmental Monitoring Program, IRI

10:40 Keynote 2: *The importance of observations for understanding the role of glaciers in the Earth climate system*
Michael Zemp, Director World Glacier Monitoring Service, University of Zurich

11:00 – 11:30 Tea and coffee

11:30 Keynote 3: *Satellite data sets for climate prediction and services (SPECS)*
Francisco Doblas-Reyes, Head of Climate Forecasting Unit, IC3

11:50 Keynote 4: *Observational needs for global carbon cycle modelling*
Chris Jones, Head of Earth System and Mitigation Science, Met Office

12:10 – 13:10 Buffet Lunch on the balcony

Lunch event: *Visualisations of CCI ECVs* Philip Eales, Planetary Visions [Room CONF 1]

13:10 – 18:10 CCI ECV PHASE 1 RESULTS & PHASE 2 PLANS plenary session [Room CONF 2]

13:10 *Introduction and context* Roger Saunders, Met Office

[Each project to describe Phase 1 results and Phase 2 plans for climate research, 5 mins Q+A]

13:20 *Soil Moisture* Eva Haas

13:40 *Land Cover* Pierre Defourney

14:00 *Fire* Emilio Chuvieco

14:20 *Aerosol* Thomas or Gerrit

14:40 *GHG* Michael Buchwitz

15:00 *Cloud* Rainer Hollmann

15:20 – 15:50 Tea and coffee

15:50 *Ozone* Michel Van Roozendael

16:10 *Glaciers* Liss Andreassen

16:30 *Ice Sheets* Rene Forsburg

16:50 *SST* Nick Rayner

17:10 *Sea Ice* Stein Sandven

17:30 *Ocean Colour* Shubha Sathyendranath

17:50 *Sea Level* Gilles Larnicol

18:10 – 20:00 Ice breaker reception in the Met Office "street"

Day Two - Tuesday 3 June 09:00-17:30

09:00 – 10:30 CMUG ASSESSMENT OF ECVs plenary session [Room CONF 2]

09:00 *Introduction to CMUG assessments, SST Assessment, plans for phase 2*
Roger Saunders, Met Office

09:15 *Ocean colour assessment*
David Ford, Met Office

09:25 *Ozone and SSH assessments*
Serge Planton, Météo France

09:40 *Ozone, GHG and aerosol assessments*
Rossana Dragani, ECMWF

10:00 *Cloud assessments*
Mark Ringer, Met Office

10:10 *Land cover, Fire and Soil moisture*
Alex Löw, MPI-M

10:30 – 11:00 Tea and coffee

11:00 – 12:00 DISCUSSION OF ECVs plenary session [Room CONF 2]

Discussion of Phase 1 results, Phase 2 plans and the development of research
Roger Saunders, Met Office

12:00 – 13:00 Buffet Lunch on the balcony

13:00 – 15:00 APPLICATIONS FOR ECVs plenary session [Room CONF 2]

13:00 *Datasets for evaluating climate models and their projections: Obs4MIPs*
Robert Ferraro, NASA-JPL

13:25 *How observations will inform CMIP6*
Cath Senior, Met Office, WGCM Chair

13:50 *The QA4ECV project – better climate information for research*
Folkert Boersma, KNMI

14:15 *Using satellite data to understand uncertainties in reanalyses: UERRA*
Richard Renshaw, Met Office

14:40 *CORDEX progress and the need of high-resolution observational datasets*
Grigory Nikulin, SMHI

15:00 – 15:30 Tea and coffee

15:30 APPLICATIONS FOR ECVs in break out groups [Rooms CONFs 1, 2 and 3]

1. Input of CCI datasets to CMIP6 and Obs4MIPs
2. Use of uncertainties
3. Provision of data to Copernicus

17:00 – 17:30 SUMMARY OF BREAKOUT DISCUSSIONS plenary session [Room CONF 2]

19:00 – 21:30 Conference Dinner (Self-funded) at El Bocado restaurant, 36 South Street, Exeter, EX1 1ED

Day Three - Wednesday 4 June 09:00-12:00 – only for CCI researchers

09:00 – 11:00 BREAKOUT GROUPS FOR SCIENCE LEADS & CRGs [Rooms CONFs 1 and 3]

Science Leads Breakout Group chair: Frank Paul

To cover: Phase 2, Copernicus, data issues, ...

CRG Breakout Group chair: Alex Löw

To cover: Application, Phase 2, uncertainty, x-cutting issues, CMUG plans...

11:00 – 11:30 Tea and coffee

11:30 – 12:00 Plenary, Report back from Break out group chairs, meeting close, CMUG and ESA representatives