

Programme v11 FINAL 20-05-2015

The CCI Fifth Integration meeting aims to:

1. Allow CCI CRGs to demonstrate 'real world' applications of their datasets
2. Examine future data use, including: C3S, data quality, and data provision
3. Gain an external perspective from independent experts
4. Allow a mid-point review of Phase 2 ECV project activities and CMUG interactions,
5. Strengthen links between CCI and relevant climate projects/initiatives/research community

Day One - Tuesday 26 May 13:00-17:30

12:00 Registration, SMHI Reception

13:00 – 15:00 WELCOME and KEYNOTES plenary session

13:00 Welcome: Rolf Brennerfelt, Director SMHI
 Mark Doherty, Head of Earth Observation Exploitation and Services Division, ESA
 Roger Saunders, CMUG, Met Office Head of Satellite Applications

13:30 *GAIA-CLIM: Gap analysis for integrated atmospheric ECV climate monitoring*
 Peter Thorne, Maynooth University

14:00 *PRIMAVERA: High resolution climate modelling - what are the requirements from ECVs?* Malcolm Roberts, Met Office

14:30 *Global and regional climate modelling and observations*, Erik Kjellström, SMHI

15:00 – 15:20 Swedish Fika (tea and coffee)

15:20 – 17:30 CURRENT APPLICATIONS OF CCI DATA plenary session

15:20 *Context (CMUG D2.1 and D2.2 scientific impacts and exploitation reports)*, Roger Saunders, Met Office

15:30 *Using CCI data in the SPECS research project*, Omar Belprat, IC3

16:00 *CCI Visualisation Corner*, Philip Eales, Planetary Visions

16:20 **Four parallel sessions:** each CCI project to describe current and planned applications of their CCI data:

Terrestrial	Atmosphere	Marine	Cryosphere
Chair: Wouter Dorigo	Chair: Rainer Hollmann	Chair: Chris Merchant	Chair: René Forsberg
Land Cover	GHG	OC	Glaciers
Soil Moisture	Aerosol	SST	Greenland Ice sheet
Fire	Cloud	SSH	Antarctica Ice sheets
	Ozone		Sea Ice

Each ECV project to describe the following, and allow for discussion

1. description of available data including:
 - specification, validation, uncertainty, improvement of current state of the art
2. current and planned applications of this data, including:
 - C3S, H2020 research, international initiatives, national programmes
3. plans for products, delivery and engaging with climate researchers
4. common issues between ECVs

17:30 Parallel sessions end

18:00 – 20:00 (Sea) Ice breaker reception

Poster session

09:00 – 12:00 CMUG ASSESSMENT OF CCI DATA - results to date and science plans Plenary

09:00 *Context and introduction*, Roger Saunders, Met Office

09:10 *Marine ECV assessment*

Ocean Colour: David Ford, Met Office [WP3.1]

SSH: Serge Planton, MétéoFrance [WP3.10]

Sea Ice: Dirk Notz, MPI-M [WP3.6]

10:00 *Terrestrial ECV assessment*

SM, Fire, LC: Dirk Notz, MPI-M [WP3.4]

Glacier, LC: David Gustafsson, SMHI [WP3.9]

10:25 – 10:45 Swedish Fika (tea and coffee)

10:45 *Atmosphere ECV assessment*

Aerosol, Clouds: Axel Lauer, DLR [WP3.7]

Ozone: Rossana Dragani, ECMWF [WP3.2, 3.3]

11:15 *Carbon cycle assessment*

Fire, LC, SM, GHG: Jean-Louis Dufresne, IPSL [WP3.5]

11:30 *The Earth System Model Validation Tool (ESMValTool) – benchmarking models with CCI data, Including a report back from the ESMValTool workshop in March [WP5.1]*

Axel Lauer, DLR and Yoko Tsushima, Met Office

12:00 – 16:15 CLIMATE QUALITY IN ECVs Plenary

12:00 *Copernicus Climate Change Services – update on plans*

Jean-Noël Thépaut, ECMWF

12:30 – 13:30 Lunch – side meeting of the SSH ECV project

13:30 *FIDUCEO: Fidelity and uncertainty in climate data records from Earth observation*

Chris Merchant, Reading University

13:55 *CORE-CLIMAX: Coordinating Earth observation data validation for reanalyses for climate services*

Jörg Schulz, EUMETSAT

14:20 *The ESA CCI open data portal*, Victoria Bennett, CEDA

14:45 *Obs4MIPs*, Robert Ferraro, NASA JPL

15:10 – 15:35 Swedish Fika (tea and coffee)

15:35 *Results of the SST Uncertainty workshop*, John Kennedy, Met Office

15:55 *Interactions with the Aerosol community on uncertainty*, Thomas Holzer-Popp, DLR

16:15 – 17:45 PLENARY REPORTS and DISCUSSION

1. Reports of the four parallel sessions on CCI projects from Tuesday afternoon
(10 minutes for each domain, 40 minutes total)

2. Review of all sessions to date - open discussion
(50 minutes total)

Chair: Paul van der Linden

19:00 – 21:30 Conference Dinner

Day Three - Thursday 28 May 09:00-12:00 – only for ESA and CCI researchers

09:00 – 11:00 BREAKOUT GROUPS FOR SCIENCE LEADS & CRGs

Science Leads (Group 1)
Chair: Frank Paul
To discuss:
*colocation,
plans for next 12 months,
publications, interactions with
international initiatives, CCI-2,
issues arising from previous sessions*

CRGs (Group 2)
Chair: Rossana Dragani
To discuss:
*applications, uncertainty,
x-cutting issues, CMUG plans,
ESMVal, MIPs, data provision,
issues arising from previous sessions*

11:00 – 11:20 Swedish Fika (tea and coffee)

11:20 – 12:00 FINAL SESSION plenary

Report back from Breakout Groups
Forthcoming meetings (C3S, CoP-21,
Coloc)
CCI-2 Plans and ESA support for C3S
Meeting close

Group Chairs
Mark Doherty / Pascal Lecomte

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