

climate change initiative

→ CMUG NEWSLETTER

CMUG News & Science Highlights Since Previous Integration Meeting Oct 2021

- There have been two CMUG Progress Meetings: 10th Feb and 21st June 2022. Both were fruitful meetings and included sessions on planning CCI+ CMUG Phase 2.
- One CSWG meeting was held on 4th April 2022 which focused on progress updates and CCI+ Phase 2 Study ideas.
- CMUG attended the Living Planet Symposium at the World Conference Center in Bonn, Germany, in May 2022. The Technical Officer and Project Manager both presented CMUG overviews and the Science Lead presented on EO contributions to IPCC AR6.
- Multiple meetings have been held within CMUG on planning for the next phase of the project, as well as focused meetings on CCI+ CMUG Phase 2 Study proposals.
- CMUG hosted a project overview poster at the Climate Services Week and again later at the Science Profession Fair at the Met Office in May and July 2022 respectively.
- New case study articles have been added to the CMUG website to showcase recent project highlights, accessible [here](#).
- Susanne Mecklenberg presented a CMUG overview to the C3S General Assembly, 19-21st Sep.

In this issue:

- **CMUG News & Science Highlights**
- **Upcoming CMUG Integration Meeting 24-25th Oct 2022 & Agenda**
- **Previous CMUG Integration Meeting 4-5th Oct 2021**
- **CMUG ECV Data Use & Key Contacts**
- **CMUG New Publications**
- **CMUG Partner Contacts per ECV**

Upcoming: CMUG Integration Meeting October 2022

CMUG is organising its next Integration Meeting on 24-25th October 2022 at ESRIN, Frascati, Italy. The ESA web page for this event, with further details on its location, can be accessed [here](#) - the agenda at this webpage will be updated to include links to join online nearer the date.

Day 1 of the Integration meeting will consist of overview presentations from the previous phase of the project, including science and technical highlights from that phase. On day 2 there will be three sessions on CCI+ CMUG Phase 2 proposals, including breakout sessions to discuss the Studies in detail in the afternoon. Day 2 will conclude with a session on CMUG interaction with CMIP-IPO and other agencies. CMUG looks forward to useful discussions and welcomes input from the CCI ECV projects into shaping Phase 2. The agenda is presented on the following page and can also be directly accessed [here](#).

Previous: CMUG Integration Meeting October 2021

CMUG's previous Integration Meeting was held on 4-5th October 2021. The meeting included a session showcasing science highlights since the Integration Meeting before that (Nov 2019) and two sessions which focused on discussing ideas and plans for CCI+ Phase 2. The newsletter for this meeting can be found [here](#) and the event webpage can be found [here](#).

CMUG Integration Meeting October 2022

Monday 24th October 13:45 – 18:00 and Tuesday 25th October 9:30 – 18:00 Central European / Rome Time

Agenda**Day 1 – Mon 24th Oct**

- 13:45-14:15 Opening & Welcome
- 14:15-14:30 Introduction from CMUG
- 14:30-16:00 Session 1a Overview of CCI+ CMUG Phase 1 & Science and Technical Highlights
- 16:00-16:30 Afternoon Break
- 16:30-17:45 Session 1b Overview of CCI+ CMUG Phase 1 & Science and Technical Highlights Continued
- 17:45-18:00 Wrap up of Day 1

Day 2 – Tues 25th Oct

- 09:30-11:15 Session 2a CCI+ CMUG Phase 2 Proposals
- 11:15-11:45 Morning Break
- 11:45-12:45 Session 2b CCI+ CMUG Phase 2 Proposed Studies Continued
- 12:45-13:00 Wrap up of Session 2
- 13:00-14:00 Lunch Break
- 14:00-15:30 Session 3 CCI+ CMUG Phase 2 Proposed Studies: Breakout Discussion Groups
- 15:30-16:00 Wrap up of Session 3
- 16:00-16:30 Afternoon Break
- 16:30-17:45 Session 4 CMUG Interaction with CMIP-IPO, ESMO and CORDEX
- 17:45-18:00 Wrap up of Session 4 & End

CMUG ECV Data Use

Follow this [link](#) to a document which shows which ECVs are used in which WPs with WP descriptions.

CMUG Key Contacts per CMUG Partner*Met Office*

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Météo France

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SMHI

- ulrika.willen@smhi.se

Publications

The publications below have been added to CMUG’s list of publications since the previous Integration Meeting (October 2021):

1. Acosta-Navarro, J. C., García-Serrano, J., Lapin, V., Ortega, P. (2022). Added value of assimilating springtime Arctic sea ice concentration in summer-fall climate predictions. *Environmental Research Letters*, 17. 064008. <https://doi.org/10.1088/1748-9326/ac6c9b>
2. Klose, M., Jorba, O., Gonçalves Ageitos, M., Escribano, J., Dawson, M., Obiso, V., Di Tomaso, E., Basart, S., Montané Pinto, G., Macchia, F., Ginoux, P., Guerschman, J., Prigent, C., Huang, Y., Kok, J., Miller, R. and Pérez GarcíaPando, C. (2021). Mineral dust cycle in the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (MONARCH) Version 2.0. *Geoscientific Model Development*, 14, 6403-6444. <https://doi.org/10.5194/gmd-146403-2021>
3. Lauer, A., Bock, L., Hassler, B., Schröder, M. and Stengel, M. Cloud climatologies from global climate models – a comparison of CMIP5 and CMIP6 models with satellite data. *Journal of Climate*. Under revision.

CMUG Partner Contact per ECV

Below is a table that shows the corresponding CMUG Contact information for each ECV project, including their institutions and emails.

ECV	CMUG partner currently using the ECV	CMUG partner institution	Email
Aerosols	Angela Benedetti	ECMWF	Angela.Benedetti@ecmwf.int
	Enza Di Tomaso	BSC	Enza.ditomaso@bsc.es
Biomass/AGB	Debbie Hemming	Met Office	Debbie.Hemming@metoffice.gov.uk
Clouds	Pablo Ortega	BSC	Pablo.ortega@bsc.es
	Axel Lauer	DLR	Axel.Lauer@dlr.de
Fire/Burnt area	Ulrika Willen	SMHI	Ulrika.Willen@smhi.se
	Pablo Ortega	BSC	Pablo.ortega@bsc.es
Glaciers	Etienne Tourigny	BSC	etienne.tourigny@bsc.es
	No CMUG contact - contact Amy Doherty CMUG project manager with queries		No contact at present amy.doherty@metoffice.gov.uk
Greenhouse Gases	Axel Lauer	DLR	Axel.Lauer@dlr.de
Ice sheets	No CMUG contact – contact Amy Doherty CMUG project manager with queries		No contact at present, contact amy.doherty@metoffice.gov.uk
Lakes	Richard Jones	Met Office	richard.jones@metoffice.gov.uk
	Erasmus Buonomo	Met Office	Erasmus.buonomo@metoffice.gov.uk
Land cover	Grace Redmond	Met Office	grace.redmond@metoffice.gov.uk
	Jean-Christophe Calvet	Météo France	Jean-Christophe.Calvet@meteo.fr
LST	Enza Di Tomaso	BSC	Enza.ditomaso@bsc.es
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Permafrost	Angela Benedetti	ECMWF	Angela.Benedetti@ecmwf.int
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Sea surface salinity	David Ford	Met Office	david.ford@metoffice.gov.uk
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