

climate change initiative

→ CMUG NEWSLETTER

CMUG Recent News

- CMUG held its eighth Quarterly Progress Meeting on 25th March 2021. The meeting minutes can be accessed [here](#).
- New papers added to CMUG's list of publications, see Publications section for full citations:
 - Bilbao *et al.* 2021, 'Assessment of a full-field initialized decadal climate prediction system with the CMIP6 version of EC-Earth'.
 - Peano *et al.* (accepted 2021) 'Plant phenology evaluation of CRESCENDO land surface models – Part 1: start and end of growing season'.
- CMUG Data Forum content has been transferred to the new CMUG [website](#) under the '[Case Studies & Data](#)' tab.
- The CCI Sea Surface Temperature dataset has been published on [Obs4MIPs](#) and the CCI Cloud dataset is close to completion.
- Implementation of the Water Vapour, GHG (XCH4), Sea Surface Salinity, Land Surface Temperature and Ocean Colour ECVs into the ESMValTool are completed and will now go through a technical and scientific review. The new diagnostics will be combined into a single recipe to be used for evaluation of CMIP6 models.
- The ESMValTool work completed has been submitted in deliverable report D5.3 v1.

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Upcoming: CSWG May 2021

CMUG is organizing its tenth Climate Science Working Group (CSWG) meeting on 7th May, 13:00 – 16:00 (UK time) / 14:00 – 17:00 (Central European Time). This CSWG meeting will focus on three ECVs: Lakes, Snow, and Permafrost.

The invitation is extended to all CCI project members and CMUG partners. The agenda is presented on the following page and can also be accessed directly [here](#).

Previous: CSWG January 2021

CMUG's ninth CSWG meeting was held on 18th January 2021 and focused on the four ECVs Fire, Land Cover, High Resolution Land Cover, and Biomass. The previous CSWG Newsletter for January 2021 can be found [here](#) and the minutes from this CSWG meeting can be found [here](#).

CSWG May 2021, Focus on Lakes, Snow and Permafrost ECVsFriday 7th May, 13-16 UK Time / 14-17 Central European Time**Agenda:**

1. Introduction – Amy Doherty (MO) 10 mins (13:05-13:15)
2. CMUG work on Lakes – Grace Redmond (MO) 15 mins (13:15-13:30)
3. CCI Lakes presentation, including input from CRG – Jean-Francois Crétaux 20 mins (13:30-13:50)
4. Coffee break – 20 mins (13:50-14:10)
5. Use of Snow and Permafrost ECVs – Jean-Christophe Calvet (MF) 15 mins (14:10-14:25)
6. CMUG work on Snow – Frederique Cheruy (TBC) 15 mins (14:25-14:40)
7. CCI Snow presentation, including input from CRG – Thomas Nagler / Chris Derksen 20 mins (14:40-15:00)
8. CCI Permafrost presentation including input from CRG – Annett Bartsch / Heidrun Matthes 20 mins (15:00-15:20)
9. Coffee break – 20 mins (15:20-15:40)
10. Final discussions including plans for the next meeting 20 mins (15:40-16:00)

CMUG ECV Data UseFollow this [link](#) to a document which shows which ECVs are used in which WPs with detailed WP descriptions.**CMUG Key Contacts per CMUG Partner***Met Office*

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Publications

The below publications have been added to CMUG's list of publications as some authors are members of CMUG.

1. **Bilbao, R.**, Wild, S., **Ortega, P.**, Acosta-Navarro, J., Arsouze, T., Bretonnière, P.-A., Caron, L.-P., Castrillo, M., Cruz-García, R., Cvijanovic, I., Doblas-Reyes, F. J., Donat, M., Dutra, E., Echevarría, P., Ho, A.-C., Loosveldt-Tomas, S., Moreno-Chamarro, E., Pérez-Zanon, N., Ramos, A., Ruprich-Robert, Y., Sicardi, V., Tourigny, E., and Vegas-Regidor, J.: Assessment of a full-field initialized decadal climate prediction system with the CMIP6 version of EC-Earth, Earth Syst. Dynam., 12, 173–196, <https://doi.org/10.5194/esd-12-173-2021>, 2021.
2. Peano, D., **Hemming, D.**, Materia, S., Delire, C., Fan, Y., Joetzer, E., Lee, H., Nabel, J.E.M.S., Park, T., Peylin, P., Warland, D., Wiltshire, A., Zaehle, S. (accepted 2021 preprint) Plant phenology evaluation of CRESCENDO land surface models – Part 1: start and end of growing season. Biogeosciences Discuss. Preprint available at <https://bg.copernicus.org/preprints/bg-2020-319/>.