

## climate change initiative

# → CMUG NEWSLETTER

### CMUG Recent News

- CMUG held its seventh Quarterly Progress Meeting on 27<sup>th</sup> October 2020, where partners presented recent progress. The meeting minutes can be accessed [here](#).
- A published paper has been added to CMUG's list of publications. The paper is on the model evaluation tool, into which CMUG is implementing CCI datasets for wider exploitation by the CMIP modelling community. See Publications for full citation.
- Deliverable 1.1, "The User Requirement Document" was approved in December 2020.
- Deliverable 2.3, "Suitability of CCI ECVs for Climate Science and Services", was approved in January 2021.
- D1.1, D2.3, as well as previous approved deliverables will be available on the CMUG [website](#).
- CMUG continues work on setting up a SharePoint site and a Teams site. Both sites have been set up and CMUG is now working to integrate members over the coming weeks.

### CMUG Recent Scientific Research

- BSC has made substantial scientific progress on the use of CCI data for seasonal prediction skill assessments, for which a scientific article is in preparation, and continued technical developments and preparatory works required for their dust reanalysis experiments.
- David Ford (Met Office) has been finalizing setup of experiments for studying biophysical ocean feedbacks, including performing low-resolution test runs.
- MPI-M have finished work on test cases applying Fractions Skill Scores for Sea-Ice Concentration (SIC) simulations and refined the handling of land for the score. The score of MPI-GE simulations compared to sea-ice concentration data has been derived.

### In this issue:

- **Upcoming CSWG Meeting 18<sup>th</sup> Jan**
- **CMUG Recent News**
- **CMUG Recent Scientific Research**
- **Previous CSWG Meeting 23<sup>rd</sup> October 2020**
- **CSWG Jan 2021 Agenda**
- **CMUG ECV Data Use**
- **CMUG Key Contacts**
- **Publications**

### Upcoming: CSWG January 2021

CMUG is organizing its ninth Climate Science Working Group (CSWG) meeting on 18<sup>th</sup> January, 9:00 – 12:00 (UK time) / 10:00 – 13:00 (Central European Time). This CSWG meeting will focus on four ECVs: Fire, Land Cover, High Resolution Land Cover, and Biomass.

The invitation is extended to all CCI project members and CMUG partners. The agenda is presented on the following page.

### Previous: CSWG October 2020

CMUG's eighth CSWG meeting was held on 23<sup>rd</sup> October 2020 and focused on the three ECVs Sea Surface Temperature (SST), Sea Surface Salinity (SSS) and Sea Ice. The previous CSWG Newsletter for Oct 2020 can be found [here](#) and the minutes from this CSWG meeting can be found [here](#).

**CSWG January 2021, Focus on Fire, Land Cover (LC) and Biomass**

Monday 18<sup>th</sup> January, 9-12 UK Time / 10-13 Central European Time (9-12 UTC).

**Agenda:**

1. Introduction – Amy Doherty (Met Office) *10 mins (9:05-9:15)*
2. Meteo France use of LC and Biomass – Jean-Christophe Calvet *15 mins (9:15-9:30)*
3. BSC use of Fire, LC, HRLC and Biomass – Etienne Tourigny *15 mins (9:30-9:45)*
4. Discussion of CMUG work and plans *10 mins (9:45-9:55)*
5. Coffee break – join our wonder.me discussion room on Firefox browser *30 mins (9:55-10:25)*
6. Fire\_cci presentation, including input from CRG – Emilio Chuvieco / Lucrecia Pettinari *20 mins (10:25-10:45)*
7. Land cover\_cci presentation, including input from CRG – Celine Lamarche *20 mins (10:45-11:05)*
8. High Resolution Land Cover, including input from CRG – Lorenzo Bruzzone *20 mins (11:05-11:25)*
9. Biomass\_cci presentation, including input from CRG – Richard Lucas *20 mins (11:25-11:45)*
10. Final discussions including plans for the next meeting *15 mins (11:45-12:00)*

**CMUG ECV Data Use**

Follow 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*

- [richard.jones@metoffice.gov.uk](mailto:richard.jones@metoffice.gov.uk)
- [amy.doherty@metoffice.gov.uk](mailto:amy.doherty@metoffice.gov.uk)
- [david.ford@metoffice.gov.uk](mailto:david.ford@metoffice.gov.uk)
- [debbie.hemming@metoffice.gov.uk](mailto:debbie.hemming@metoffice.gov.uk)
- [rob.king@metoffice.gov.uk](mailto:rob.king@metoffice.gov.uk)

*DLR*

- [Axel.Lauer@dlr.de](mailto:Axel.Lauer@dlr.de)
- [Mattia.Righi@dlr.de](mailto:Mattia.Righi@dlr.de)
- [Bjoern.Broetz@dlr.de](mailto:Bjoern.Broetz@dlr.de)

*MPI*

- [dirk.notz@mpimet.mpg.de](mailto:dirk.notz@mpimet.mpg.de)
- [andreas.wernecke@mpimet.mpg.de](mailto:andreas.wernecke@mpimet.mpg.de)

*ECMWF*

- [angela.benedetti@ecmwf.int](mailto:angela.benedetti@ecmwf.int)

*BSC*

- [portega@bsc.es](mailto:portega@bsc.es)
- [francisco.doblas-reyes@bsc.es](mailto:francisco.doblas-reyes@bsc.es)
- [louis-philippe.caron@bsc.es](mailto:louis-philippe.caron@bsc.es)
- [enza.ditomaso@bsc.es](mailto:enza.ditomaso@bsc.es)
- [mar.rodriquez@bsc.es](mailto:mar.rodriquez@bsc.es)

*IPSL*

- [Frederique.Cheruy@lmd.jussieu.fr](mailto:Frederique.Cheruy@lmd.jussieu.fr)
- [jean-louis.dufresne@lmd.jussieu.fr](mailto:jean-louis.dufresne@lmd.jussieu.fr)
- [yanfeng.zhao@lmd.jussieu.fr](mailto:yanfeng.zhao@lmd.jussieu.fr)

*Météo France*

- [Jean-Christophe.Calvet@meteo.fr](mailto:Jean-Christophe.Calvet@meteo.fr)

*SMHI*

- [Ulrika.Willen@smhi.se](mailto:Ulrika.Willen@smhi.se)

**Publications**

The below publication has been added to CMUG's list of publications as some authors are members of CMUG. The article was published in July 2020, with CMUG acknowledged. There have been no CMUG publications since October 2020.

**1. Eyring, V.,** Bock, L., Lauer, A., Righi, M., Schlund, M., Andela, B., Arnone, E., Bellprat, O., Brötz, B., Caron, L.-P., Carvalhais, N., Cionni, I., Cortesi, N., Crezee, B., Davin, E., Davini, P., Debeire, K., de Mora, L., Deser, C., Docquier, D., Earnshaw, P., Ehbrecht, C., Gier, B. K., Gonzalez-Reviriego, N., Goodman, P., Hagemann, S., Hardiman, S., Hassler, B., Hunter, A., Kadow, C., Kindermann, S., Koirala, S., Koldunov, N., Lejeune, Q., Lembo, V., Lovato, T., Lucarini, V., Massonnet, F., Müller, B., Pandde, A., Pérez-Zanón, N., Phillips, A., Predoi, V., Russell, J., Sellar, A., Serva, F., Stacke, T., Swaminathan, R., Torralba, V., Vegas-Regidor, J., von Hardenberg, J., Weigel, K., and Zimmermann, K.: Earth System Model Evaluation Tool (ESMValTool) v2.0 - an extended set of large-scale diagnostics for quasi-operational and comprehensive evaluation of Earth system models in CMIP, *Geosci. Model Dev.*, 13, 3383-3438, doi: 10.5194/gmd-13-3383-2020, 2020.