**CMUG Deliverable** 

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# **Climate Modelling User Group**

# Deliverable 6.2 v3

# **Promotion Package Report**

Centres providing input: MOHC

Version	Date	Comment
1.0 Draft	May 2022	Draft submitted to ESA
1.0 Final	June 2022	Final version accepted by ESA













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# **CMUG D6.2 Promotion Package Report**

# 1. Introduction

CMUG's mission is to place a climate perspective at the centre of ESA's Climate Change Initiative (CCI). This report documents how CMUG has promoted CCI datasets and CMUG results to the climate modelling and reanalysis community, international bodies and climate researchers. This version (v3) covers the period since the previous D6.2 Promotion Package Report v2 (June 2021) until May 2022. Material that has been prepared for promotion of CCI products have included:

- Presentations at conferences, workshops and meetings
- Website kept up-to-date and relevant, with results and material promoting the CCI
- Journal papers illustrating the use of some of the CCI datasets
- Horizon scanning for outreach opportunities
- Maintain within the project plan a section on communications and outreach
- Respond to ad-hoc requests for outreach activities

# 2. Promotion Package

# 2.1 Meetings and Workshops

Between June 2021 and May 2022, CMUG has been involved in the following significant meetings and workshops. There has been one Climate Science Working Group (CSWG) meeting, two CMUG Progress Meetings, one Integration and Colocation meeting and several other meetings and workshops. In particular, there have been several meetings to discuss plans for the next phase of the project.

Date	Meeting/workshop	Location	CMUG role		
2021					
5 Jul	CMUG Quarterly Progress Meeting	Online	Progress update meeting		
4-5 Oct	CMUG Integration Meeting	Online	Discuss science highlights and plan for next phase		
6-8 Oct	CCI Colocation	Online	Attend		
23-25 Nov	2 <sup>nd</sup> Technical ESMValTool		Bring together the development community, discuss future strategies		
	Workshop		and provide progress updates		

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29 Nov	CMUG Next Phase	Online	Discussions with ESA and partners			
	Meeting		on next phase planning			
	2022					
23 Jan	Next Phase	Online	Discussions with ESA and partners			
	Experiments		on next phase experiment ideas and			
	Discussion		potential proposals			
10 Feb	CMUG Quarterly	Online	Progress update meeting			
	Progress Meeting					
4 Apr	CMUG CSWG	Online	Focus on Progress Updates since			
	Meeting		the last Integration Meeting (Oct			
			2021) and Next Phase Discussions			
9-13	Met Office Climate	Met Office, UK	Host a stall with poster and leaflets			
May	Services Week Event		to advertise CMUG and ESA CCI			
			datasets			
23-27	2022 Living Planet	Bonn, Germany	Attendance and presented an			
May	Symposium		overview talk			

#### 2.2 Website

The <u>CMUG website</u>, hosted on <u>ESA's web server</u>, is fully functional and kept up-to-date. The website plays a key and central role to CMUG's Promotion Package. It will continue to be added to and updated to take further advantage of this key platform of promotion for CMUG. CMUG website consists of the following:

- A Home page with a brief introduction about the project and highlights of recent news and events.
- An 'About' tab with detailed information on the project, its structure, objectives, aims and main activities.
- A 'News' tab with news items relevant to CMUG.
- A 'Case Studies' tab with a showcase of recent CMUG case studies, such as ESMValTool, Obs4MIPs and several CCI ECV projects.
- A 'Deliverables & Documents' tab which lists all CMUG deliverables and documents.
- A 'Team' tab showcasing partner members and individual biographies.
- A 'Publications & Presentations' tab which lists and links to all publications (e.g., newsletters, posters, scientific papers) and presentations (e.g., presentations from each CMUG Integration meeting since March 2011).
- A 'Related Links' tab with links and short descriptions for Obs4MIPs, GCOS, WCRP and C3S webpages.
- A 'Contacts & FAQ' tab with information on how to contact CMUG for further information or with any questions, as well as a comprehensive FAQ section.

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#### 2.3 CMUG Website Case Studies

CMUG Deliverable 2.2 was originally the 'CMUG Data Forum' which existed on the old CMUG website. Once the new website had been fully implemented, it was found that the information once showcased on the old CMUG Data Forum was a repeat or obsolete with respect to the new website content. The CMUG Data Forum as a separate webpage was removed and deliverable (D2.2) was redesigned to instead reflect the 'Case Studies' tab on the new website.

Information on this new 'Case Studies' tab will continue to be updated and maintained and used to promote the CMUG project. Several new case studies have been added in the period of this report June 2021 – May 2022. For example, these include information regarding the following:

- ESMValTool
- Obs4MIPs
- Copernicus Climate Data Store Toolbox
- ESA CCI ECVs such as Aerosol, Snow, Land Surface Temperature, Soil Moisture, Sea Ice, Clouds, Sea Surface Temperatures, Ozone, and other marine ECVs

### 2.4 Publications and Papers

CMUG publishes papers on its verification and validation work and encourages others to publish the results of their research on CCI datasets. CMUG has had three new publications between June 2021 and May 2022, which are listed below as well as in Annex A1 where the number of citations from Google Scholar (as of May 2022) are also included.

- 1. Acosta Navarro, J.C., J. García-Serrano, V. Lapin, P. Ortega, Added value of assimilating springtime Arctic sea ice concentration in summer-fall climate predictions, Environmental Research Letters, Accepted, 2022.
- 2. Authors, Evaluating clouds using ESA CCI data, J. Clim. Submitted 2022.
- Klose, M., Jorba, O., Gonçalves Ageitos, M., Escribano, J., Dawson, M. L., Obiso, V., Di Tomaso, E., Basart, S., Montané Pinto, G., Macchia, F., Ginoux, P., Guerschman, J., Prigent, C., Huang, Y., Kok, J. F., Miller, R. L., and Pérez García-Pando, C.: Mineral dust cycle in the Multiscale Online Nonhydrostatic AtmospheRe CHemistry model (MONARCH) Version 2.0, Geosci. Model Dev., 14, 6403–6444, https://doi.org/10.5194/gmd-14-6403-2021, 2021.

CMUG also works to bring to the fore any research in CMUG papers that is relevant for the IPCC assessment reports.

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#### 2.5 Other Outreach and Promotion Activities

#### Newsletters

#### External SharePoint Site

CMUG has continued to use SharePoint as a centralised location for document storage and file sharing. This replaced the previous system which used a mixture of SharePoint and Google Docs which was inefficient. The new centralised approach to use SharePoint for everything has proven successful, with efficiency greatly improving and collaboration on documents, files, and reports etc. The site is continually maintained by CMUG, which includes adding new members where needed, solving any technical issues, and keeping the Home page calendar up-to-date with upcoming events.

#### Met Office Street Event May 2022

CMUG participated in the Met Office Climate Services Week Event 9-13<sup>th</sup> May 2022. This event was held at the Met Office headquarters in Exeter, UK. The event was internal to the Met Office colleagues and was an opportunity for CMUG to advertise the project and its main outputs. A poster and leaflets were produced and displayed, with the leaflets given out to interested participants, which outlined the project and its main outputs.

See Annex A3 for the poster and leaflets that were showcased at the event.

#### Living Planet Symposium May 2022

CMUG participated in ESA's <u>2022 Living Planet Symposium</u> (LPS) held on 23-27 May 2022 at the World Conference Centre Bonn, Germany. This symposium focused on "how Earth observation contributes to science and society, and how disruptive technologies and actors are changing the traditional Earth observation landscape, which is also creating new opportunities for public and private sector interactions." (quote taken from the LPS website here). At the LPS in May 2022, the CMUG project manager presented an overview talk in the

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session on "Exploring the interface of observations and modelling" which generated useful discussions and feedback. This was followed up by a meeting with the heads of the CMIP and CORDEX project offices about collaboration in the next phase of CMUG. The CMUG science lead also gave a presentation in the plenary session on "The global climate: a status update" entitled "Earth Observation contributions to the IPCC AR6 WGI".

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# **Annex A**

# **Contents**

- A1 CMUG Publications with Citations June 2021 May 2022
- A2 CMUG Newsletters June 2021 May 2022
- A3 Met Office Street Event May 2022 Poster and Leaflet

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# A1 CMUG Publications with Citations June 2021 – May 2022

Annex A1 is a table listing the three new CMUG peer-reviewed publications between June 2021 and May 2022. References are given and the number of citations (Google Scholar, May 2022).

Paper		
Acosta Navarro, J.C., J. García-Serrano, V. Lapin, P. Ortega, Added value of assimilating springtime Arctic sea ice concentration in summer-fall climate predictions, Environmental Research Letters, Accepted, 2022.	-	
<b>Authors</b> "Evaluating clouds using ESA CCI data" J. Clim. Submitted, 2022.	-	
Klose, M., Jorba, O., Gonçalves Ageitos, M., Escribano, J., Dawson, M. L., Obiso, V., <b>Di Tomaso, E.</b> , Basart, S., Montané Pinto, G., Macchia, F., Ginoux, P., Guerschman, J., Prigent, C., Huang, Y., Kok, J. F., Miller, R. L., and <b>Pérez García-Pando, C</b> .: Mineral dust cycle in the Multiscale Online Nonhydrostatic AtmospheRe CHemistry model (MONARCH) Version 2.0, Geosci. Model Dev., 14, 6403–6444, <a href="https://doi.org/10.5194/gmd-14-6403-2021">https://doi.org/10.5194/gmd-14-6403-2021</a> , 2021.	4	

## A2 CMUG Newsletters June 2021 - May 2022

Annex A2 showcases the two CMUG newsletters between June 2021 and May 2022. All newsletters can also be found on the CMUG's website page <a href="here">here</a>.

Newsletter for Integration October 2021







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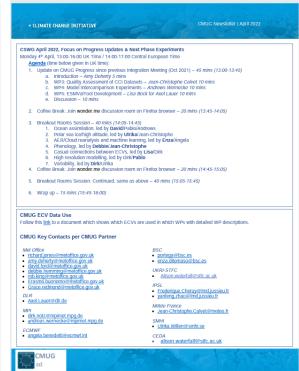
Version: 1.0



#### Newsletter for CSWG April 2022







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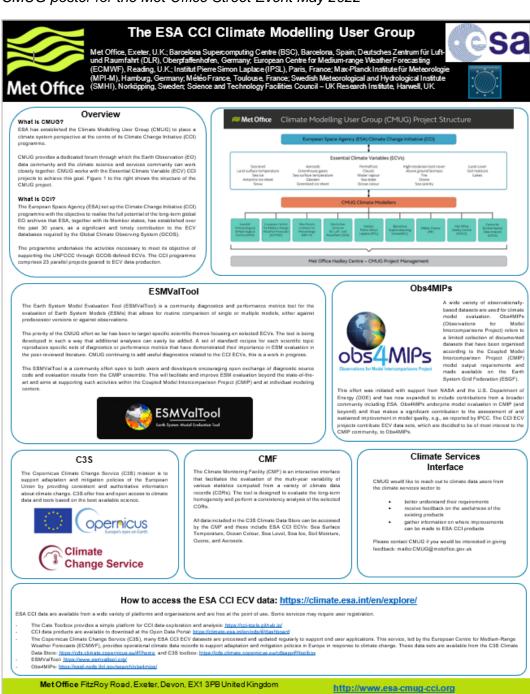
Version: 1.0



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### A3 Met Office Street Event May 2022 Poster and Leaflet

CMUG poster for the Met Office Street Event May 2022



Tel: +44 1392 886295 Email: amy.do.herty@metoffice.gov.uk

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### CMUG leaflet for the Met Office Street Event May 2022

