



SCOPE • CM

Sustained Coordinated Processing
of Environmental Satellite Data
for Climate Monitoring

Sustained, Co-Ordinated Processing of Environmental Satellite Data for Climate Monitoring (SCOPE-CM)

Marie Doutriaux-Boucher

SCOPE-CM Phase-2 Projects and Partnerships

ID	Title	Leader	SCOPE-CM Partners	Other Partners
SCM-01	UTH	L. Shi	NOAA, EUMETSAT (CM SAF)	Kiruna Univ. NCAR, Univ. of Miami
SCM-02	Albedo from polar	T. Manninen	EUMETSAT (CM SAF and CF) NOAA	Univ. Massachusetts
SCM-03	Albedo from GEO	A. Lattanzio	EUMETSAT (CF), NOAA, JMA	-
SCM-04	<i>AMVs Monsoons and Cyclones</i>	<i>S. Goyal</i>	<i>[EUMETSAT]</i>	<i>Indian Meterological Departement</i>
SCM-05	AVHRR FCDR	K-G Karlsson	EUMETSAT (CM SAF) NOAA	ESACCI
SCM-06	IOGEO	R. Roebeling	EUMETSAT (CF and CM SAF), NOAA, JMA, CMA	-
SCM-07	L-RWP in GPM era	R. Bennartz	NOAA (CIRA) EUMETSAT (CM-SAF)	CIMSS, University of Wisconsin
SCM-08	RO-CLIM	Dr. Hans Gleisner	DMI (CF and ROM SAF)	GFZ, NASAJPL, Moog, UCAR, Univ. of Graz
SCM-09	ISCCP	K. Knapp	NOAA, JMA, CMA, EUMETSAT	INPE, NY City College
SCM-10	AMV/CSR for LEO and GEO	A. Okuyama	JMA, EUMETSAT (CF), NOAA (NCDC, CIRA)	CIMSS, JMA (reanalysis), ECMWF

List of actions from last SEP meeting

Action Number	Actionee	Action
ACTION-SEP-09-01	All	Assess product maturity
ACTION-SEP-09-02	Secretariat	To collect and generate an interaction matrix between projects. To generate an overall dependency diagram between SCOPE-CM and others (GSICS, CEOS, CGMS VC, SAFs, CCI)
ACTION-SEP-09-03	All	To contribute to the ECV inventory database
ACTION-SEP-09-04	All	To federate dataset generation and address the release mode
ACTION-SEP-09-05	Secretariat	To update website
ACTION-SEP-09-05	All	Inquire from SCM projects on usage/plans to use THREDDS.
Action specific to project		
ACTION-SEP-09-06	SCM-01	Interaction with SCM-08
ACTION-SEP-09-07	SCM-02/SCM-05	To collaborate. SCM-02 to give its requirements to SCM-05
ACTION-SEP-09-08	SCM-03	To investigate the possibility to include the direct/diffuse fraction to the downward flux density in the albedo product.
ACTION-SEP-09-09	SCM-05	To organise a workshop with GSICS
ACTION-SEP-09-10	SCM-06	Investigate how to put in place a to allow the project to feedback GSICS
ACTION-SEP-09-11	SCM-07	To produce a flow-diagram to identify various contributions to the project and to point out input/outputs
ACTION-SEP-09-12	SCM-08	To inform secretariat in case of lead's change
ACTION-SEP-09-13	SCM-09	To provide an update on the project plan. To investigate the possibility of a 'global' product (LEO + GEO) interaction with SCM-05

SCOPE-CM website (SEP-09-05)

<http://www.scope-cm.org>

The screenshot shows a web browser displaying the SCOPE-CM website. The browser's address bar shows the URL www.scope-cm.org. The website header features the SCOPE-CM logo, the tagline "Sustained, Coordinated Processing of Environmental Satellite Data for Climate Monitoring", and an RSS feed icon. A navigation menu is visible with tabs for Overview, Implementation plan, Presentations, Projects, Meetings, HELP, and Publications. The "Projects" tab is selected, and a dropdown menu lists ten project codes: SCM-01 UTH, SCM-02 Surf. albedo LEO, SCM-03 Land surf.albedo GEO, SCM-04 AMV monsoon/cyclone, SCM-05 AVHRR FC DR, SCM-06 IOGEO, SCM-07 L-RWP in the GPM era, SCM-08 RO-CLIM, SCM-09 ISCCP, and SCM-10 AMVs and CSR. The main content area displays the "Overview" page, which includes a "Background" section. This section describes the SCOPE-CM network, its establishment in November 2008, and its goals. It mentions that the network is a network of agencies and operators of environmental satellite systems that interface with WMO. It also states that SCOPE-CM offers support to coordinate and facilitate international activities to generate Climate Data Records (CDRs) and their scientific and technical development activities and cooperation. The text further details the network's establishment, listing participating organizations such as CMA (China Meteorological Administration), JMA (Japan Meteorological Agency), and NOAA (National Oceanic and Atmospheric Administration). It also describes the first phase of the network (2008-2012) and the second phase (starting in 2012), highlighting the network's focus on CDR capabilities and the coordinated implementation of a single retrieval algorithm at different satellite processing chains.

Overview

Background

SCOPE-CM ("Sustained and coordinated processing of Environmental Satellite Data for Climate Monitoring") is a network of agencies and operators of environmental satellite systems and interfaces with WMO. Within SCOPE-CM, the contributing organisations coordinate their scientific and technical development activities and cooperate distributed responsibilities for the generation of global products.

The SCOPE-CM Network was established in November 2008. Within SCOPE-CM, the contributing organisations coordinate their scientific and technical development activities and cooperate distributed responsibilities for the generation of global products. The initial participating organisations include the operators of operational satellites: CMA (China Meteorological Administration), JMA (Japan Meteorological Agency), and NOAA (National Oceanic and Atmospheric Administration).

In the first phase 2008-2012 five pilot projects were conducted in order to establish partnership and perform coordinated activities within SCOPE-CM. The achievements of these pilot projects include inter alia the coherent and coordinated implementation of a single retrieval algorithm at different satellite processing chains (geostationary surface albedo), the systematic inter-comparison of different approaches to derive cloud properties from the 30 years AVHRR data record.

The second phase of SCOPE-CM was kicked off in 2012 with the approval of an updated Implementation Plan. This plan is aiming at establishing a systematic approach to increase the maturity of CDR generation capabilities as well as to enhanced the existing and to create new structures for its sustainable generation.

Dedicated SCOPE-CM Projects are conducted by international consortia and aim to bring specific CDR capabilities to a higher maturity level.

The main focus is on CDR capabilities that explicitly benefit from multi-national and inter-organisational coordination and cooperation among the participating organisations and agencies.

http://www.wmo.int/pages/prog/sat/scope_cm_en.php

Project Interactions (SEP-09-02)





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Thank You

How to webex...

Share -> my desktop

Audio -> audio conference

The screenshot shows the Cisco WebEx Meeting Center interface. A green arrow points to the 'Share' menu, and a red circle highlights the 'Audio' menu. A red arrow points from the 'Audio' menu to a '2-Switch audio' label. Below this, an 'Audio Conference' dialog box is shown with 'Using Computer for Audio' selected. To the right, another 'Audio Conference' dialog box is shown with 'Call Using Computer' selected. Below this, a '3-Call using computer' label is present. The interface also shows meeting details for 'test webex' and a list of participants.

test webex

Host: Marie Doutriaux Boucher - EUMETSAT

Audio conference: Call-in toll-free number (UK) 0800-051-3810
Call-in toll number (UK) +44-203-478-5289
[Show all global call-in numbers](#)

Access code: 959 048 057

Attendee ID: 3

Meeting number: 959 048 057

Host key: 712689

Participants

Speaking: Marie Doutriaux Boucher - EUMETSAT (Host)

Marie Doutriaux Boucher - EUMETSAT (Host, me)

Karl-Göran Karlsson

Audio Conference

Using Computer for Audio

Test computer audio

Disconnect Audio

Switch Audio

2-Switch audio

Unread Mail

test

Host: Marie Doutriaux Boucher - EUMETSAT

Call Me
The meeting will call you.

I Will Call In

Call Using Computer
Test computer audio

More

Share Desktop

3-Call using computer

Copy Meeting URL