

SCOPE-CM Status Report



SCOPE • CM

Submitted to SEP09
[SCOPE-CM-SEP09-02]

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1 DOCUMENT CHANGE RECORD

<i>Issue / Revision</i>	<i>Date</i>	<i>Changed Pages / Paragraphs</i>
0.1	20 February 2014	Initial draft version distributed to SEP members

2 PURPOSE OF THIS DOCUMENT

This document presents the status of the SCOPE-CM in preparation for the SEP 09 meeting scheduled for 3 March 2014. It summarises the status of agreed actions, the decisions taken by the SEP after the last meeting in written procedures and it captures the main developments in the reporting period.

3 ACTION REVIEW

This section provides an overview of the action status as per the 9th Executive Panel meeting 3 March 2014.

3.1 Actions from previous meetings with status “open” at SEP08 Geneva February 2013

Action Number	Actionee	Action	Status at SEP09	Remarks
ACTION-SEP-06-01	Pilot Project 3	consolidate with potential users the need and the specific requirement for a GSA Level 3 product (in particular spatial and temporal composition)	Closed	SCM-Project 03 in Phase 2 includes a consolidation of a Level 3 products including interaction with potential users on their needs and specific requirements.
ACTION-SEP-06-04	Secretariat	The Secretariat to request the specific input from the Pilot Project Chairs to an updated SoN and to compile the updated document. Once consolidated, the new SoN version shall be submitted to GSICS via the Research Working Group Chair	Open	Although SCOPE-CM interaction at GSICS workshop in Oslo, no updated SoN document generated. Secretariat propose to target the next formal SoN after the establishment of the first SCM-Projects.
ACTION-SEP-07-01	Secretariat	Secretariat to ensure that SCM Projects proposals document their dependencies and distributed responsibilities in form of high level data flow diagrams. Due date: issue of SCM-Project proposal call.	Closed	SCM Projects were asked to reflect the dependencies and distributed responsibilities in their contributions to the SEP09 meeting.
ACTION-SEP-07-02	Pilot Project 2 leader (CM SAF)	CM SAF to take a lead to develop a SCM-project proposal on SSM/I and SSMIS FCDR, integrating the CM SAF, CDR-Programme and X-CAL activities.	Open	No related Lol submitted
ACTION-SEP-07-03	Pilot Project 3 leader (EUMETSAT)	Pilot Project Leader (EUMETSAT) to provide the update on the JMA processing status information in the SEP 07 Pilot Project Progress report.	Closed	SEP07 Pilot Project Progress Report updated accordingly.

Action Number	Actionee	Action	Status at SEP09	Remarks
ACTION SEP-07-04	Secretariat and SEP chair	generate a close-out document on the achievements of SCOPE-CM Phase 1 in relation to its original objectives (IP 1.3) and the accomplishments of the Pilot Projects. The draft will be iterated also with the Pilot Projects. The final version will be submitted to the SEP for adoption.	Closed	Document generated in time for presentation to CGMS-41. Document submitted to SEP09 for formal approval.
ACTION SEP-07-05	Secretariat	Secretariat to collect links to the SCOPE-CM Pilot Project activities in order to be able to promote the achievements (e.g. presentations and web pages).	Open	Planned to be done in the context of the SCOPE-CM web page update.
ACTION SEP-07-06	Secretariat with GSICS	Secretariat with GSICS (Tim) to organise a joint meeting after review of proposals, to inform GSICS community and to address common issue.	Closed	Teleconference held 11 September 2013 with SCOPE-CM Status presentation.
ACTION SEP-07-13	Secretariat	Secretariat to develop slides on the new SCOPE-CM concept (1-slide, 3-slides, 10-slides version) to be used at different occasions/Presentations	Closed	Different version of SCOPE-CM Standard presentation available at the SCOPE-CM Web page.

3.2 Actions from SEP08

Action Number	Actionee	Action	Status at SEP08	Remarks
ACTION SEP-08-01	Secretariat	Secretariat with SEP chair to investigate a publication of the SCOPE-CM Phase 2 concept and the first SCM-projects as “Meeting summary” e.g. EOS transactions of the American Geophysical Union.	Open	It is proposed to provide a “Meeting Summary” of SEP09, having now a clearer status of the SCM projects actually started.

Action Number	Actionee	Action	Status at SEP08	Remarks
ACTION SEP-08-02	WMO Space Programme	WMO SP to provide the contacts details of relevant CGMS Working Groups chairs/co-chairs to the Secretariat in order to include them in the SCOPE-CM general coordination stream.	Closed	Contact details provided 22 February 2014.
ACTION SEP-08-03	Secretariat	Secretariat to communicate the project leaders the outcome of the LoI assessment by SEP and to request updated project documents to be submitted to SEP before 24 April 2013	Closed	Done
ACTION SEP-08-04	Secretariat	Secretariat to collect assessment feedback by SEP on updated SCM-Project documentation.	Closed	Done
ACTION SEP-08-05	Secretariat	Secretariat to report to CGMS 41st meeting on the status of SCOPE-CM Phase 2 and the implementation of the SCM-Projects.	Closed	Done

4 EVENTS AND ACTIVITIES AFTER THE LAST SEP MEETING

The following activities and events after the SEP08 meeting are reported:

- March 2013: SCM-Project leaders informed about the outcome of the SEP assessment of their Letters of Interest (LoI) for SCOPE-CM Phase 2 projects.
- March 2013: 2nd WCRP Data Advisory Council Meeting. Secretariat presented the concept and status of SCOPE-CM. WCRP-DAC is very pleased with the progress achieved by SCOPE-CM and will brief the WCRP Joint Scientific Committee accordingly.
- March 2013: Paper on the SCOPE-CM Pilot Project on Geostationary Albedo published in the BAMS Journal: <http://journals.ametsoc.org/doi/pdf/10.1175/BAMS->

[D-11-00230.1](#). Lattanzio, Alessio, and Coauthors, 2013: Land Surface Albedo from Geostationary Satellites: A Multiagency Collaboration within SCOPE-CM. Bull. Amer. Meteor. Soc., 94, 205–214. doi: <http://dx.doi.org/10.1175/BAMS-D-11-00230.1>

LAND SURFACE ALBEDO FROM GEOSTATIONARY SATELLITES

A Multiagency Collaboration within SCOPE-CM

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Operational meteorological satellite agencies are working together to produce a three decade climate data record of land surface albedo, drawn from some 30 different space-based instruments.

- April-July 2013: Updated SCM-Project Documentation provided by SCM-Project Leaders to the Secretariat (with few exception). Secretariat forwarded to SEP for comments. SEP was fine with the update.
- May 2013: Secretariat provided SCOPE-CM Status (Phase I close-out report) to the WMO Expert Team on Satellite Utilization and Product Meeting. At this meeting S. Goyal (Project Leader SCM-04 on Monsoon and Cyclone studies) presented the project idea.
- July 2013: CGMS 41st Meeting.
 - The SCOPE-CM Secretariat submitted a working paper (EUMETSAT-WP-16) on the outcome of the first phase of SCOPE-CM and the status of the Phase 2 SCOPE-CM Projects. The discussion after the presentation of this Working Paper resulted in a general recommendation to all GCMS members “to consider participation in approved SCOPE-CM phase 2 projects” (Action WGII/3R#41.05)
 - JMA presented a working paper (JMA-WP-04) on JMA’s GSICS and SCOPE-CM activities in the Phase 1 pilot projects and the new SCM-projects in Phase 2. WGII expressed its appreciation to JMA for continuing strong engagement in phase 2 of SCOPE-CM.
- July 2013: The Secretariat generated a SCOPE-CM Phase 1 close-out report in closing **ACTION SEP-07-04**. The document was provided to SEP.

- September 2013: GSICS Teleconference held 11 September 2013 with SCOPE-CM Status presentation done by the Secretariat.

5 DECISIONS TAKEN BY SEP IN WRITTEN PROCEDURE

The following decisions have been taken after the SEP08 meeting by email. They will be captured in the meeting minutes of SEP09.

Decision 01: *SEP approved the SEP 08 meeting minutes Version 1.0 dated 08 July 2013.*

Decision 02: *SEP accepted the updated Project Documentation of the SCM-projects concerned. Dated 30 August 2013.*

6 SCM-PROJECT STATUS

The table below presents the updated list of SCOPE-CM Projects. The *italic* font indicates the projects for which the updated project documentation is still pending. Changes with respect to the letters of intent (LoI) are marked as **bold**.

ID	Title	Leader	SCOPE-CM Partners	other partners
SCM-01	Sustained generations of upper tropospheric humidity Climate Data Records from multiple sensors with multi-agency cooperation	Lei Shi (NOAA)	NOAA EUMETSAT (CM SAF)	Kiruna University, NCAR, University of Miami
SCM-02	Multiplatform surface albedo demonstrator from polar-orbiting satellites	Terhikki Manninen (EUMETSAT CM SAF)	EUMETSAT (CM SAF and CF) NOAA	University of Massachusetts
SCM-03	Land surface albedo from geostationary satellites (LAGS)	Alessio Lattanzio (EUMETSAT CF)	NOAA JMA	-
SCM-04	<i>Utility of Satellite derived winds for Monsoon and Cyclone studies over Indian region</i>	<i>Suman Goyal (Indian Meteorological Departement)</i>	<i>[EUMETSAT]</i>	<i>Indian Meterological Departement</i>
SCM-05	<i>Advancing the status of the AVHRR FCDR</i>	<i>Karl-Göran Karlsson (EUMETSAT CM SAF)</i>	<i>EUMETSAT (CM SAF)</i> NOAA	<i>ESA CCI</i>
SCM-06	Inter-calibration of passive imager observations from time-series of geostationary satellites (IOGEO)	Rob Roebeling (EUMETSAT CF)	EUMETSAT (CF and CM SAF) NOAA JMA CMA	-

ID	Title	Leader	SCOPE-CM Partners	other partners
SCM-07	Liquid Water Path and Rain Water Path Climatologies in the GPM era	Ralf Bennartz (NOAA, CIMSS)	NOAA (CIMSS, CIRA) EUMETSAT(CM-SAF)	-
SCM-08	Radio occultation based gridded climate data sets (RO-CLIM)	Axel von Engeln (EUMETSAT)	EUMETSAT (CF and ROM SAF)	GFZ NASA JPL Moog UCAR University of Graz
SCM-09	<i>Sustained production of the International Satellite Cloud Climatology Project (ISCCP) cloud products</i>	<i>Kenneth Knapp (NOAA)</i>	<i>JMA CMA EUMETSAT</i>	<i>INPE NY City College</i>
SCM-10	Atmospheric Motion Vectors (AMV) and Clear/All Sky Radiances (CSR/ASR) from historical meteorological satellites in geostationary and polar orbit	Kotaro Bessho (JMA)	JMA (MSC+CPD) EUMETSAT (CF) NOAA (NCDC and CIMSS)	-

7 STATUS OF SCOPE-CM WEB PAGE DEVELOPMENT AT EUMETSAT

EUMETSAT as SCOPE-CM secretariat has offered to set up a website to host the SCOPE-CM project. As a result of a project in EUMETSAT Enterprise Information Management Division (see SCOPE-CM_02_StatusReport_20130221) the SCOPE-CM webpage has been introduced and launched in November 2013 with initial content and functionality. (<http://www.scope-cm.org>). The use of the *Wordpress* software package was found to be the best and most pragmatic solution for this type of website. This solution is totally adequate for the needs of the SCOPE-CM web presence and interaction. For the moment, three EUMETSAT persons have an editor role and can update pages as requested. Various pages are under development and are still 'private' pages. Each project leader will be able to update relevant parts of the website in the future. WMO SCOPE-CM webpage has been updated and is now linked accordingly as well as the CGMS page on SCOPE-CM.

8 SCOPE-CM SECRETARIAT

The responsibility to run the SCOPE-CM Secretariat at EUMETSAT was transferred to a different division inside EUMETSAT in the context of a major reorganisation of EUMETSAT. The *User Support and Climate Services Division* (USC) takes over the Secretariat function for SCOPE-CM, with Marie Doutriaux-Boucher as the responsible staff.

9 CONCLUSION

The SCOPE-CM Executive Panel is invited to take note of the SCOPE-CM Status Report.