



CGMS-40 EUM-WP-13
v1A Draft, 1 November
2012

Prepared by EUMETSAT
Agenda Item I.2, WG I/1,
WG II/1, WG III/1, WG IV/1
Discussed in Plenary, WGI,
WGII, WGIII, WGIV

STATUS OF ACTIONS AND RECOMMENDATIONS RESULTING FROM CGMS-39 (as of 1 November 2012)

This Working Paper provides the current known status of actions and recommendations resulting from CGMS-39 in 2011 as of 1 November 2012.

It includes actions still open and feedback on actions which have been closed.

The colour coding on the actions/recommendations tables are:

Green = closed

Orange= due at CGMS-40

Red = overdue

Feedback on the status of some actions/recommendations is still expected from some Members.

Working groups are requested to complete a full review of all actions and provide a report at the end of the working group to allow a new version of this document to be prepared.

The list of any open plenary actions, following the working group meetings, will be recalled at the start of the CGMS-40 Plenary session for review throughout the meeting and as far as possible, identification of closing measures.

Status overview

Permanent actions: It is suggested to close all permanent actions as these are now addressed in the new CGMS meeting Agenda structure.

CGMS-37: Two actions are ongoing. It is expected that one will be closed at CGMS-40

CGMS-40: There were a total of 54 actions of which 23 have been closed and 4 are overdue. There are 34 recommendations, of which 7 have been closed. It is expected that Working Papers and discussions at CGMS-40 will enable the closure of several of the actions and recommendations.

Recommendations are responded to on a best effort basis and will normally be closed after discussions in the Working Groups or at the end of the meeting.

Action/Recommendation proposed:

Members are invited

- to provide feedback on the actions/recommendations as necessary;
- to provide relevant Working Paper numbers responding to actions/recommendations as necessary; and to report to the CGMS Secretariat (cgmssec@eumetsat.int)



STATUS OF ACTIONS AND RECOMMENDATIONS RESULTING FROM CGMS-39

Actions open from CGMS-37 and CGMS-38 (at CGMS-39)					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
WMO	37.14	Action 37.14: WMO to continue dialogue with ISRO regarding the establishment of an Indian CoE and the co-sponsoring of the CoE in Oman. Deadline: CGMS-39	CGMS-39 WMO-WP-14; CGMS-39 NOAA-WP-13 Ongoing	(CGMS-38) New Deadline: CGMS-40	OPEN
ESA	WGII 37.28	Action 37.28: ESA to provide a working paper on the long-term monitoring of MERIS as a reference calibration instrument. Deadline: CGMS-39	Paper in Preparation, will be delivered in 02/2012, new deadline CGMS-40	(CGMS-38) New Deadline: CGMS-40	OPEN
NOAA and IMD	WGII 38.36	Action 38.36: NOAA and IMD to better understand differences in TC intensity estimations and to inform CGMS members on the outcome. Deadline: CGMS-39	New deadline CGMS-40	(CGMS-39) New deadline CGMS-40	OPEN
WMO	WGIII 38.40	Action 38.40: WMO in collaboration with the atmospheric composition community and satellite experts to further refine the requirements for atmospheric composition requirements and the optimal way to address these in the revised baseline.	29/09/2011 WMO: ongoing, see WMO-WP-09	(CGMS-39) New deadline CGMS-40	OPEN
WMO	WGIII 38.42	Action 38.42: WMO to take into account the revised CGMS baseline for the space-based component of the GOS in the updating process of relevant WMO Manuals and Guides, with a view of its endorsement by CBS-XV in September 2012.	Shall be completed, based on the outcome of CGMS-39, will start after plenary.	(CGMS-39) New deadline: Sept 2012	OPEN



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CGMS-39 permanent actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
CGMS Members	Permanent 01	All CGMS Members to inform the Secretariat of any change in the status or plans of their satellites to allow the updating of the CGMS Tables of Satellites (tables 1-6 of the plenary report). The Secretariat to publish this updated information in the CGMS report and, via WMO, in the WMO CGMS satellite status web pages.	EUM-WP-01 To be addressed under agenda item C TBD: part of template = close action TBD CMA-WP-01	CGMS-40	OPEN
CGMS satellite operators	Permanent 02	CGMS Members to report to CGMS plenary on their activities and plans related to space weather including: (i) impact of solar events and space radiation on satellites, protective measures, (ii) space weather observations, and (iii) space weather warning services.	i) will be covered in the report under agenda item C; ii) and iii) will be addressed under agenda item B.4 It is therefore proposed to close this action. CMA-WP-08	CGMS-40	OPEN
CGMS Members	Permanent 03	CGMS Members to review the list of available list servers used by CGMS groups and update as appropriate.	This is made on a continuous basis and annually at the plenary meeting. It is proposed to close this action.	CGMS-40	OPEN
IOC/CGMS Members	Permanent 04	CGMS satellite operators to consider the IOC satellite requirements, especially the data dissemination methods, bearing in mind the ongoing formations of GOOS Regional Alliances (GRAs).	This will be addressed under agenda item B and B.3 in particular, and it is therefore proposed to close the action.	CGMS-40	OPEN
CGMS Members	Permanent 05	CGMS should develop a coordinated approach for direct broadcast services of future polar orbiting meteorological satellite systems.	This matter will be discussed in WGI and WGIV and be reported to plenary as/if necessary (part of the WG agenda). It is therefore proposed to close this action.	CGMS-40	OPEN
CGMS Members	Permanent 06	All CGMS satellite operators to regularly include user statistics in their reports on current satellite systems. Deadline: CGMS-39	It is proposed to include a chapter on user statistics in the report on current and future satellite systems (agenda item C). It is therefore proposed to close this action. CMA-WP-01	CGMS-40	OPEN
WMO	Permanent 07	WMO to maintain the Dossier on the Space-based GOS, with review by the relevant Expert Teams, and inform CGMS of major updates.	This will be addressed in WGII, and it is therefore proposed to close the action. If deemed necessary by WGII it will be reported to plenary under agenda item F	CGMS-40	OPEN



CGMS-39 permanent actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
CGMS Members	Permanent 08	CGMS Members to provide WMO with the update of their programmes for the dossier on the space-based GOS.	This will be addressed in WGII, and it is therefore proposed to close the action. If deemed necessary by WGII it will be reported to plenary under agenda item F	CGMS-40	OPEN
EUMETSAT	Permanent 09	EUMETSAT, as CGMS Secretariat, to provide a yearly report to WG-I on the annual SFCG meeting.	This will be addressed in WGI (under agenda item I/2). It is therefore proposed to close the action.	CGMS-40	OPEN
CGMS Members	Permanent 10	CGMS Members to provide at every CGMS meeting a list of frequencies used by their current and future systems in the format provided in WG I report-39 (Annex 1).	This will be addressed in WGI (under agenda item I/2). It is therefore proposed to close the action. CMA-WP-02	CGMS-40	OPEN
WMO	Permanent 11	WMO to report on coordination efforts between Radio Occultation data providers and NWP agencies to establish long term continuity plans for the use of both operational and research RO data in Numerical Weather Prediction and climate models. (From Action 38.30: WMO stressed that it was a long-term action, initiated through participation in NAEDEX-APSDEU meetings. CGMS-39 agreed to convert in a permanent action to report on such coordination).	This will be addressed in WGII/7, and it is therefore proposed to close the action. If deemed necessary by WGII it will be reported to plenary under agenda item F.	CGMS-40	OPEN

CGMS-39 actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
CGMS Members	39.01	Action 39.01: Interested CGMS members to contact NOAA for assistance in obtaining conjunction warning support from the U.S. Joint Space Operations Center (JSpOC). Deadline: CGMS-40	EUMETSAT: Already in place.	CGMS-40	OPEN
WMO	39.02	Action 39.02: WMO, through ICTSW, to propose a template in advance of CGMS-40 in order to facilitate harmonised reporting on spacecraft anomalies related to space weather. Deadline: 1 May 2012	WMO provide feedback end Aug '12. S/C anomalies will be reported on under agenda item C. Agenda item B.4 will discuss space weather excluding S/C impact.	01-May-12	CLOSED



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CGMS-39 actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
IROWG	39.03	Action 39.03: IROWG to review the status of the global RO system and report to CGMS-40. Deadline: CGMS-40	EUM-WP-02 (on behalf of IROWG)	CGMS-40	CLOSED
IMD and ROSH	39.04	Action 39.04: IMD and ROSHYDROMET to present papers at CGMS-40 on progress towards implementing GEO to LEO corrections and instrument bias monitoring as established by NOAA, EUMETSAT, KMA, JMA and CMA. Deadline: CGMS-40		CGMS-40	OPEN
CGMS Members	39.05	Action 39.05: CGMS Members to report at CGMS-40 on activities to implement a web-accessible instrument monitoring website. Deadline: CGMS-40	WG II discussion	CGMS-40	OPEN
CGMS Members	39.06	Action 39.06: CGMS Members to send nominations for vice chairmanship for GSICS. Deadline: 28 Feb 2012		28-Feb-12	CLOSED
CGMS Members	39.07	Action 39.07: CGMS Members to consider hosting GSICS EP-12 meeting in Spring 2012 and send proposal to WMO Secretariat. Deadline: 31 Dec 2011		31-Dec-11	CLOSED
CGMS Members	39.08	Action 39.08: CGMS Members to provide a contact point to WMO to coordinate their potential contributions to SWFDP (Severe Weather Forecasting Demonstration Project). Deadline: CGMS-40	EUMETSAT: Marianne.koenig@eumetsat.int	CGMS-40	OPEN
CGMS Members	39.09	Action 39.09: CGMS Secretariat to request the Architecture Writing Team provide a template to be used by CGMS Members to provide elements/activities which might contribute to the physical global architecture for Climate Monitoring. Deadline: end of Q1 2012	CGMSSEC provided via the CGMS list server.	31-Mar-12	CLOSED
CGMS Members	39.10	Action 39.10: CGMS Members to provide a detailed review of current and future plans to contribute to the global architecture for Climate Monitoring at CGMS-40. Deadline: CGMS-40	AGN item V.2 (and WGIII/4) Mark Dowell will provide a status presentation on the Global Architecture for Climate Monitoring	CGMS-40	CLOSED



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CGMS-39 actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
CGMS Members	39.11	Action 39.11: CGMS Members who are interested in joining the Writing Team on global architecture for climate monitoring to nominate participants by end of November 2011.	No further input provided by CGMS Members.	30-Nov-11	CLOSED
CGMS Members/CG MS Secretariat	39.12	Action 39.12: CGMS Members are invited to send comments on the global architecture for climate monitoring to the Secretariat and CGMS Secretariat to send an official CGMS response on the Writing Team Report to the Writing Team Chair prior to the CEOS Plenary by end of October 2011. Deadline: 31 October 2011.	No further input provided by CGMS Members.	31-Oct-11	CLOSED
IOC	39.13	Action 39.13: IOC is invited to prepare a paper on guidance to CGMS members on ocean wind measurements. Deadline: CGMS-40	<u>IOC-UNESCO-WP-01</u>	CGMS-40	CLOSED
CGMS Satellite Operators	39.14	Action 39.14: CGMS Satellite Operators to update their web pages to include the VLab logo and to more clearly show their support to VLab activities and CoEs. Deadline: CGMS-40	EUMETSAT: http://www.eumetsat.int/Home/Main/DataProducts/HowtoUseOurProducts/index.htm?l=en	CGMS-40	OPEN
CGMS Satellite Operators	39.15	Action 39.15: CGMS Satellite Operators, in their areas of responsibilities, should be ready to make a contribution towards funding of VLab Management Group (VLMG) members to attend the VLMG-6 in Brazil in September 2012. Deadline: CGMS-40 Aug 2012	Contributions have been provided by EUM and NOAA.	Aug 2012	CLOSED
CGMS Satellite Operators	39.16	Action 39.16: CGMS Satellite Operators to report to WMO Space Programme and CGMS Secretariat within 2 weeks, regarding the possibility to financially support the continuity of employment of the VLab Technical Support Officer (TSO). Deadline: 31 October 2011.	Contributions have been provided by EUM, NOAA and KMA.	31-Oct-11	CLOSED
CGMS Satellite Operators	39.17	Action 39.17: CGMS Satellite Operators are invited to note GOS-2011-September edition of the dossier and to forward to WMO (bibizzar@tinn.it) any update or missing information concerning their programmes for inclusion in GOS-2012-January		31-Jan-12	CLOSED



CGMS-39 actions					
Actionee	Action	Description	Action feedback/closing document	Deadline	Status
CGMS Members	39.18	Action 39.18: Interested CGMS Members to nominate a participant in the CGMS Internal Study Task Force in charge of reviewing CGMS structure, meetings and practices for next meeting Deadline: 31 October 2011	JMA, KMA, NOAA, WMO and EUMETSAT/CGMS Secretariat	31-Oct-11	CLOSED
CGMS Members	39.19	Action 39.19: CGMS Members to review and approve the report of the CGMS Internal Study Task Force by April 2012 so that it could be implemented for CGMS-40.	All members but ESA, IMD, and Roscosmos, have endorsed the recommendations (as per 15Aug 2012)	15-Apr-12	OPEN
WGI					
CGMS Members	WGI 39.20	Action 39.20: CGMS Members to report on their plans for the utilisation of the band 7750-7850/7900 MHz for their existing and future LEO systems (including the detailed list of frequencies used in the band, associated bandwidth and signal characteristics - together with the orbital parameters). Deadline: 31.12.2011	EUM: Provided an input to CGMS-39 CMA-WP-03	31-Dec-11	OPEN
CGMS Members	WGI 39.21	Action 39.21: Based on the inputs of the previous action, CGMS members to analyse potential interference issues, reporting results of analysis back to CGMS WG-I by next CGMS meeting. Deadline: CGMS-40		CGMS-40	OPEN
WGI Chairman	WGI 39.22	Action 39.22: WGI Chairman to report to plenary (under agenda item I/1) to confirm CGMS Secretariat as coordinated representative of CGMS vis-à-vis SFCG for future meetings. Deadline: 7.10.2011	Closed at CGMS-39.	07-Oct-11	CLOSED
EUMETSAT	WGI 39.23	Action 39.23: EUMETSAT (as CGMS Secretariat) to represent CGMS in the ad-hoc workshop proposed by WMO on of the future International Forum of Users of Satellite Data Telecommunication Systems (to ensure that there is at least one representative of CGMS). Deadline: CGMS-40.	CGMS Secretariat (EUMETSAT) has agreed to represent CGMS in these fora until further notice.	CGMS-40	CLOSED
WGII					
NASA and NOAA	WGII 39.24	Action 39.24: NASA and NOAA to report on cal/val results from the NPP instruments, including comparisons of NPP sensors with EOS sensors and with airborne instruments. Deadline: CGMS-40	NASA-WP-02/03?	CGMS-40	OPEN



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NASA	WGII 39.25	Action 39.25: NASA to discuss with GSICS the use of COVE tool to facilitate sensor calibration and validation activities. Deadline: CGMS-40	NASA-WP-02/03?	CGMS-40	OPEN
NASA	WGII 39.26	Action 39.26: NASA to ask GPM-XCAL team to review and consider use of GSICS Product Acceptance Procedure. Deadline CGMS-40		CGMS-40	OPEN
WMO Space Programme	WGII 39.27	Action 39.27: The WMO Space Programme to contact the South African Weather Service (SAWS) to inform them about the interest of NOAA and EUMETSAT to closely cooperate with SAWS on satellite product validation, especially for precipitation products. Deadline: CGMS-40.		CGMS-40	OPEN
CGMS Satellite Operators	WGII 39.28	Action 39.28: Satellite operators are requested to provide funding for participants of the 6th IPWG Workshop which will take place in Fortaleza, Brazil (tentatively 15-19 October 2012). Deadline: 30 June 2012.	Contributors: EUMETSAT, NOAA, WMO	30-Jun-12	CLOSED
All AMV Providers	WGII 39.29	Action 39.29: All AMV providers to make efforts to have the quality of their products tested by NWP centers. The slicing into specific AMV products (e.g. from WV or IR channels) and segregation into vertical levels is advised. Deadline: CGMS-40	EUM-WP- (on behalf of IWWG) A.I. WGII/6	CGMS-40	OPEN
IWWG Co-Chairs and Rapporteurs	WGII 39.30	Action 39.30: The co-chairs of IWWG and the rapporteur are requested to discuss the results from NWP impact studies at IWW11, and to synthesize general observations on performance. Due date: IWW11 in February 2012 and report to CGMS-40.	EUM-WP- *same WP as for WGII 39.21	Feb 2012 and report to CGMS-40	OPEN
IWWG Co-Chairs and Rapporteurs	WGII 39.31	Action 39.31: IWWG co-chairs and the rapporteur are requested to report to CGMS 40 on the 2nd AMV intercomparison campaign. Deadline: CGMS-40	EUM-WP- *same WP as for WGII 39.21	CGMS-40	OPEN
CGMS Members	WGII 39.32	Action 39.32: CGMS agencies are encouraged to participate in the next International Radio Occultation Working Group (IROWG) Workshop to be held in Estes Park, Colorado 28 March - 3 April, 2012. Details can be found at www.irowg.org . Deadline: 01 March 2012	EUM-WP-01 (on behalf of IROWG)	01-Mar-12	CLOSED
CGMS Members	WGII 39.33	Action 39.33: CGMS agencies are encouraged to report scientific progress on use of Radio-occultation, opportunities to provide increased coverage by RO sensors as well as to report on data gap issues to the IROWG, and directly to CGMS. Deadline: CGMS-40	EUM-WP-02 (on behalf of IROWG)	CGMS-40	OPEN
CSA and EC	WGII 39.34	Action 39.34: CSA and Environment Canada to discuss volcanic ash detection and composition products from PCW, and plans to provide rapid transmission of		CGMS-40	OPEN



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		volcanic eruption alerts to the Northern Hemisphere VAACs. Deadline: CGMS-40			
JMA	WGII 39.35	Action 39.35: JMA is invited to present an intercomparison of the new MTSAT SST product with other (similar) products. Deadline: CGMS-40		CGMS-40	OPEN
Vlab co-chairs	WGII 39.36	Action 39.36: VLab co-chairs to address the potential of training support with the SWFDP responsible in WMO. Deadline: CGMS-40.		CGMS-40	OPEN
CGMS Satellite Operators	WGII 39.37	Action 39.37: CGMS Satellite Operators to consider the requirements of satellite information for coastal applications that are described in WMO-WP-30, and provide comments to WMO (blee@wmo.int). Deadline: 31 December 2011		31-Dec-11	OPEN
CGMS Members	WGII 39.38	Action 39.38: CGMS members to liaise with WMO (blee@wmo.int) to coordinate training activities on forecasting and warning for storm surges and coastal inundation. Deadline: 31 December 2011		31-Dec-11	OPEN
NOAA	WGII 39.39	Action 39.39: NOAA to report to SCOPE-CM on the progress of extending SSMI precipitable water products with SSMIS. Deadline: Next SCOPE-CM meeting that will take place in August 2012 in Berlin. Deadline: 31 August 2012.	Meeting has taken place	31-Aug-12	CLOSED
Rapporteurs of International CGMS Science Working Groups	WGII 39.40	Action 39.40: GCOS Secretariat to clarify the request formulated in the GCOS/WCRP letter (dated 12 May 2010) and to ask for an adequate response as further spelled out in WMO-WP-23. Rapporteurs of the four CGMS Working Groups (IROWG, IPWG, ITWG and IWWG) are requested to put this on the agenda of the upcoming meetings of the four Working Groups and to report back to CGMS40 and the GCOS Secretariat. Deadline: CGMS-40	EUM-WP-01 (on behalf of IROWG) EUM-WP-14 (on behalf of IPWG) NOAA-WP-21 (on behalf of IWWG) NOAA-WP-18 (on behalf of ITWG)	CGMS-40	OPEN
CGMS Rapporteurs	WGII 39.41	Action 39.41: CGMS requests the Rapporteurs to discuss, at the upcoming International Scientific Working Group meetings, the WG contributions to ECV production and reprocessing activities, and other relevant climate work. Deadline: CGMS-40	ISWG matters will be reported on in WGII and plenary F.2	CGMS-40	OPEN



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WGIV					
NOAA	WGIV 39.42	Action 39.42: NOAA to provide more information on the content of LRD broadcasts in due course. Deadline: CGMS-40		CGMS-40	OPEN
EUMETSAT and NOAA	WGIV 39.43	Action 39.43: EUMETSAT and NOAA to prepare a new global specification for LEO high rate broadcast services and present it for consideration at the next meeting of CGMS. Deadline: CGMS-40	EUMETSAT: EUM-WP-07	CGMS-40	OPEN
CMA	WGIV 39.44	Action 39.44: CMA to nominate a Point of Contact to follow the evolution of the new global specification for LEO high rate broadcast services and to comment accordingly at CGMS 40. Deadline: CGMS-40		CGMS-40	OPEN
WMO	WGIV 39.45	Action 39.45: WMO to consult WMO Members on the requirement for a "Low Data Rate" service in L-Band on future generation polar-orbiting systems, and on the expected contents of such a service. Deadline: CGMS-40		CGMS-40	OPEN
EUMETSAT	WGIV 39.46	Action 39.46: EUMETSAT to re-assess the European user requirement for a L-band service from its LEO satellites, bearing in mind the ongoing broader consultation process of WMO, and report to CGMS accordingly. Deadline: CGMS-40		CGMS-40	OPEN
CGMS Secretariat	WGIV 39.47	Action 39.47: The CGMS Secretariat to prepare an amendment of the CGMS HRIT/LRIT Global Specification (CGMS 03) with effect to adopt the geographical reference system of the World Geodetic System (WGS84) and Earth Geodetic Model (EGM-96) as described in CGMS-39 WMO-WP-25. Deadline: CGMS-40	EUM-WP-16 (same for WGIV R39.34)	CGMS-40	CLOSED
CMA	WGIV 39.48	Action 39.48: CMA to prepare a CMACast fact sheet, including the process for user registration, and to provide this to CGMS Members and to WMO for further distribution to potential users in the Asia-Pacific region. Deadline: 31 March 2012	Action closed with CMA-WP-09	31-Mar-12	CLOSED
CGMS Members and WMO	WGIV 39.49	Action 39.49: CGMS Members to nominate Points of Contact who can assist WMO with the development of common guidelines for long term data preservation. Deadline for nominations 31 December 2011. WMO to prepare a report on the guidelines to be presented to CGMS-40. Deadline:CGMS-40	EUM: Harald.rothfuss@eumetsat.int	CGMS-40	OPEN



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CGMS Secretariat	WGIV 39.50	Action 39.50: The CGMS Secretariat to distribute to CGMS Members the Report on European Long-Term Data Preservation Guidelines, for information, once this has been finalised. Deadline: CGMS-40	Distributed to CGMS plenary by e-mail on 10 May 2012.	CGMS-40	CLOSED
CGMS Members	WGIV 39.51	Action 39.51: All CGMS Members to propose using interoperability standards for providing and sharing of climate data records and report on their efforts at the next meeting of CGMS Deadline: CGMS-40	EUMETSAT: No further developments since CGMS-39. EUMETSAT is prepared to revisit this following an input from other CGMS members. NOAA has provided inputs which were circulated via the CGMS list server on 02/11/12	CGMS-40	OPEN
EUMETSAT and NOAA	WGIV 39.52	Action 39.52: EUMETSAT and NOAA to report on their progress on sharing climate data records and using common interoperability standards for providing the data. Deadline: CGMS-40	EUMETSAT: Regular exchanges take place with NOAA. Progress reporting is expected to be available around CGMS-42 considering that production of the climate data records has not yet started in EUMETSAT. NOAA has provided inputs which were circulated via the CGMS list server on 02/11/12, activities have taken place within SCOPE-CM and NOAA-EUMETSAT Bilaterals and continued regular exchanges are planned.	CGMS-40	CLOSED
WMO	WGIV 39.53	Action 39.53: WMO to further refine the web-based Product Access Guide for satellite products, within the WMO Space Programme website, in collaboration with CGMS satellite operators. Deadline: CGMS-40		CGMS-40	OPEN
CGMS Members	WGIV 39.54	Action 39.54: All CGMS Members to report at the next CGMS meeting on their progress with the implementation of WIS Deadline: CGMS-40	EUM-WP-15 CMA-WP-10	CGMS-40	CLOSED



CGMS-39 recommendations					
Actionee	Recommendation	Description	Action feedback/closing document	Deadline	Status
CGMS Members	Recommendation 39.01	Recommendation 39.01: CGMS agencies are invited to assess the possibility of implementing an IR Sounding in early morning orbit.	covered by US/Europe/China study presentation	CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.02	Recommendation 39.02: CGMS Satellite Operators are invited to support the strategy for improving the use of satellite data in SWFDP regional subprojects.		CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.03	Recommendation 39.03: Satellite operators are asked to strive to harmonise the spectral characteristics of future Visible and Infrared imager channels in order to enable seamless application of differential absorption methods to data acquired from different platforms.	Discussed in WGII.	CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.04	Recommendation 39.04: CGMS Satellite operators are asked to ensure the earliest possible deployment of next generation geostationary platforms with enhanced multi-spectral VIS-IR capabilities.		CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.05	Recommendation 39.05: CGMS Satellite operators are asked to consider the deployment of operational LIDAR sensors in Low Earth Orbit to provide multi-daily coverage over global air routes.		CGMS-40	OPEN
CGMS Members	Recommendation 39.06	Recommendation 39.06: CGMS members are invited to ensure, as appropriate, their involvement in the Polar Space Task Group in support of the WMO Global Cryosphere Watch (List of invitees to first meeting 13-14 October 2011 in Geneva, Switzerland: http://www.wmo.int/pages/prog/sat/meetings/documents/PSTG-1_Inf_02_%20Invitees.pdf)		CGMS-40	OPEN
CGMS Members	Recommendation 39.07	Recommendation 39.07: CGMS is invited to note the outcome of the 2011 WOAP workshop, in particular in the context of the development of an architecture for climate monitoring from space.	Available at http://www.wcrp-climate.org/documents/ECV_Wksp_WCRP_Report.pdf CGMS members informed via e-mail on 16 Feb 2012.	CGMS-40	CLOSE D
CGMS Members	Recommendation 39.08	Recommendation 39.08: CGMS Members are invited to include links to the VLab Calendar of Events and the ESRC.		CGMS-40	CLOSE D
		WGI			



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CGMS Members	Recommendation 39.09 WG I	<p>Recommendation 39.09: CGMS Members are encouraged to participate in the ad-hoc workshop and subsequent activities of the future International Forum of Users of Satellite Data Telecommunication Systems.</p> <p>This is adopted with the understanding that the Terms of Reference (ToR) of this forum are still draft and will be subject to consolidation by the participants in the group.</p>		CGMS-40	OPEN
		WGII			
All AMV and CSR Product providers	Recommendation 39.10 WGII	Recommendation 39.10: All AMV and CSR product providers are invited to continue or start the regular reprocessing of those products with state-of-the-art algorithms.		CGMS-40	OPEN
CGMS Members	Recommendation 39.11 WGII	Recommendation 39.11: CGMS agencies are encouraged to provide instrument monitoring results at CGMS-40.	EUMETSAT: EUM-WP-09	CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.12 WGII	Recommendation 39.12: CGMS Satellite Operators to provide regular information on satellite/instruments events affecting calibration and establish corresponding websites.	EUMETSAT: EUM-WP-09	CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.13 WGII	Recommendation 39.13: CGMS Satellite Operators to provide Instrument Performance Monitoring information routinely on their respective websites.	EUMETSAT: EUM-WP-09	CGMS-40	OPEN
CGMS Members	Recommendation 39.14 WGII	Recommendation 39.14: CGMS Members participating in GSICS to provide a representative in the GDWG.	EUMETSAT: Peter.Miu@eumetsat.int KMA: GDWG member attended the GRWG/GDWG joint meeting in March 2012	CGMS-40	OPEN
CGMS Members	Recommendation 39.15 WGII	Recommendation 39.15: CGMS to support the development of guidelines by WMO for the design of future instruments with a view of harmonizing some spectral characteristics (e.g. central) of at least some core geostationary imager channels.		CGMS-40	OPEN
CGMS Members	Recommendation 39.16 WGII	Recommendation 39.16: CGMS Members that are not currently participating to consider an active role in the future progress of GSICS, enabling their sensors to be used for inter-calibration and to benefit from the experience collected in GSICS.		CGMS-40	OPEN
CGMS Members	Recommendation 39.17 WGII	Recommendation 39.17: CGMS agencies are encouraged to support scientists to attend the next ITWG.	KMA: Representative from KMA staff attended the 18th ITSC in March 2012	CGMS-40	OPEN



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R&D Agencies	Recommendation 39.18 WGII	Recommendation 39.18: The snowfall community is confident in the capabilities of Space-borne multi-frequency Doppler radar for global snowfall measurement and requests space research agencies to plan future missions that implement double-frequency capability as a minimum.		CGMS-40	OPEN
Space Agencies	Recommendation 39.19 WGII	Recommendation 39.19: Space agencies should continue to favour integrated science teams that encompass the measurement, modelling and data assimilation communities through proposals, campaigns and free dataflow.		CGMS-40	OPEN
CGMS Members	Recommendation 39.20 WGII	Recommendation 39.20: CGMS agencies are encouraged to follow NASA's example of comprehensive and sustaining science support for satellite missions, including comprehensive validation campaigns.		CGMS-40	OPEN
CGMS Members	Recommendation 39.21 WGII	Recommendation 39.21: CGMS members are invited to assist the funding of a training event which is planned to be held concurrently with IPWG-6.	EUMETSAT, NOAA	CGMS-40	CLOSE D
AMV Providers	Recommendation 39.22 WGII	Recommendation 39.22: All AMV providers should make an effort to have the quality of their products tested by NWP centers. It is recommended to present such results already at the 11th International Winds Workshop in February 2012.	See report from IWWG 11 (NOAA-WP- 21)	31 January 2012	CLOSE D
IWWG	Recommendation 39.23 WGII	Recommendation 39.23: CGMS-39 advised IWWG 11 to further address the salient issues and topics listed in CGMS-39 EUM-WP-27.	See report from IWWG 11 (NOAA-WP- 21)	CGMS-40	CLOSE D
CGMS Members	Recommendation 39.24 WGII	Recommendation 39.24: CGMS agencies are encouraged to support scientists to attend the next IWWG meeting.	See report from IWWG 11 (NOAA-WP- 21)	CGMS-40	CLOSE D
CGMS Members	Recommendation 39.25 WGII	Recommendation 39.25: CGMS Agencies are invited to: i) further test the performance of the NWCSAF AMV software package by testing the products in a NWP data monitoring/assimilation system, and ii) extend the current software to clear-sky WV AMVs.	EUM-WP-11	CGMS-40	OPEN
AMV Providers	Recommendation 39.26 WGII	Recommendation 39.26: Satellite AMV providers are invited to examine the stand-alone AMV software package from the NWCSAF and to report back to CGMS 40.	EUM-WP-11	CGMS-40	OPEN



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EUMETSAT NWC SAF	Recommendation 39.27 WGII	Recommendation 39.27: EUMETSAT NWC SAF to consider a version of the NWC SAF AMV software that allows running of alternative AMV algorithms. This would support algorithm intercomparisons studies (see also NOAA-WP-34 at CGMS-39).	EUM-WP-11	CGMS-40	OPEN
NOAA/CIMS S	Recommendation 39.28 WGII	Recommendation 39.28: NOAA/CIMSS to report on additional case study results using NearCasting, and, if practical, to include collaboration with the Severe Weather Forecasting Demonstration Project (SWFDP) for the Lake Victoria region. Deadline CGMS-40.		CGMS-40	OPEN
CGMS Satellite Operators	Recommendation 39.29 WGII	Recommendation 39.29: CGMS Satellite Operators are invited to advise on satellite products that could be made available in response to the needs of the SWFDP – Eastern Africa, to facilitate the timely provision of such satellite-related information, and to consider the SWFDP needs for the Lake Victoria Basin region in future product development activities.		CGMS-40	OPEN
CGMS Members	Recommendation 39.30 WGII	Recommendation 39.30: CGMS Members are encouraged to identify opportunities to develop and improve products and services contributing to CIFDP (JCOMM inundation, coastal).		CGMS-40	OPEN
		WGIII			
CGMS Members	Recommendation 39.31 WGIII	Recommendation 39.31: WGIII recommended that the baseline be submitted to and endorsed by the plenary with the amendments and clarifications brought by the session, as included in Annex 1 to the WG-III report.	(Baseline was endorsed by CGMS-39 plenary).	CGMS-40	CLOSE D
CGMS Members	Recommendation 39.32 WGIII	Recommendation 39.32: R&D or operational satellite operators should consider the provision of some high-accuracy and stable reference instruments as anchors for operational instruments, in particular, for climate purposes.		CGMS-40	OPEN



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CGMS Members	Recommendation 39.33 WGIII	<p>Recommendation 39.33: CGMS Satellite Operators to address the anticipated or potential gaps identified in the WMO Gap Analysis, in particular:</p> <ul style="list-style-type: none"> • infrared and microwave sounding on the early morning orbit, • hyperspectral sounding missing in some geostationary sectors, • long-term follow-on of radio-occultation constellation, • global precipitation measurement precipitation radar follow-on mission, • long-term Earth Radiation Budget monitoring • limb sounding for high-vertical resolution observations in the stratosphere and mesosphere (of temperature, humidity, wind, aerosol, ozone, and other trace gases). 		CGMS-40	OPEN
		WGIV			
CGMS Members	Recommendation 39.34 WGIV	<p>Recommendation 39.34: CGMS satellite operators to adopt the World Geodetic System (WGS84) and Earth Geodetic Model (EGM-96) geographical reference systems for the normalised geostationary projections in all future geostationary systems and related products, and inform the users accordingly.</p>	EUM-WP-16 (same as for WGIV39.47)	CGMS-40	OPEN