CGMS-44 Plenary actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
CGMS space agencies	C.1	A44.01	**Vision for the WIGOS space-based component in 2040:** CGMS operators are invited to provide comments on draft v0.2 of the Vision for the WIGOS space-based components in 2040, to sbojinski@wmo.int, by 8 July 2016.	CGMS-44 WMO-WP-01: http://www.eumetsat.int/website/wcm/idc/idcplg?IdcService=GET_FILE&RevisionSelectionMethod=LatestReleased&Rendition=Web&dDocName=CWPT_1666 *EUM: Feedback provided to WMO July 2016.*	8 Jul 2016	**OPEN**	1.1
CMA, JMA, KMA	C.2	A44.02	CGMS operators to publicise the rapid scan capabilities of current and future geostationary satellite among the user community in RA II and V, and build the necessary capacity (on the occasion of 7th AOMSUC).		30 Oct 2016	**OPEN**	1.1
CGMS members	C.6	A44.03	**On NWP and impact on forecasting skills:** **(**Ref. CGMS-44 WMO-WP-04) CGMS Members to formulate their requests (if any) for additional impact assessment work and transmit them to the WMO Secretariat (lriishojgaard@eumetsat.int).		30 Oct 2016	**OPEN**	1.1.2
WMO	C.6	A44.04	**On NWP and impact on forecasting skills:** WMO to brief CGMS-45 on the Final Report from the Sixth WMO Impact Workshop, with a particular focus on those recommendations that are directed to the CGMS Members and CGMS Working Groups.		CGMS-45	**OPEN**	1.1.2

IOC-UNESCO	C.8	A44.05	IOC-UNESCO to provide guidance to CGMS on ocean surface wave observations at CGMS-45.		CGMS-45	**OPEN**	1.1.6
CGMSSEC	C.8	A44.06	**On sea ice:** Consistent with the discussions held at CGMS-44, CGMS Secretariat to liaise with CEOS SIT Chair on the suggestion that CEOS develop a Virtual Constellation for Sea Ice - following its established process for this purpose, and in coordination with the activities of the WMO PSTG. An initial discussion will be held at 2016 CEOS SIT Technical Workshop (September 2016).		01-Sep-16	**OPEN**	1.1.6
CGMSSEC	C.8	A44.07	CGMSSEC to write a letter on behalf of CGMS to Japan recommending that JAXA consider continuing the GCOM-W series in particular in support of precipitation and sea-ice measurements.	*CGMSSEC letter (CGMS/LET/16/862312 of 29 June 2016) circulated to L-CGMS on 11 July 2016. Action will be closed once CGMS-44 report is published.*	30-Jun-16	**CLOSED**	1.1.6
CMA, EUM, ISRO, ROSH	E.2.1	A44.08	**On IODC** (ref. WGIV/3.3)**:** CGMS agencies in the IODC region (CMA, EUMETSAT, ISRO, ROSHYDROMET) to support the distribution of essential data to IODC users via their existing dissemination methods (CMACast, EUMETCast, GTS, Internet, etc).	*Originating from WGIV and endorsed by CGMS-44 plenary on 9 June 2016.*	CGMS-45	**CLOSED**	1.1.6
CGMSSEC EUMETSAT CMA, ISRO, ROSH	E.3.3	A44.09	**On IODC:** CGMSSEC with EUMETSAT to coordinate with CMA, ISRO and ROSH and update the table on IODC essential data and products (essential as per WMO Res. 40)	*CGMSSEC letter EUM/CGMS/LET/16/862312 29 June 2016. Circulated to WGIII on 20 June and to L-CGMS on 22 Aug 2016.*	15-Jun-16	**CLOSED**	1.1.6

CGMSSEC EUMETSAT (CMA, ISRO, ROSH)	E.3.3	A44.10	**On IODC:** CGMSSEC EUMETSAT to prepare a letter (on behalf of EUM, CMA, ISRO and ROSH) to WMO confirming the baseline for the future multi-partner IODC service essential data and product baseline.	*CGMSSEC letter EUM/CGMS/LET/16/862312 29 June 2016. Circulated to WGIII on 20 June and to L-CGMS on 22 Aug 2016.*	31-Jul-16	**CLOSED**	1.1.6
IWWG	E.5.4	A44.11	**On IWWG matters:** IWWG to develop a detailed plan for the 3rd wind intercomparison, including concept and deliverables, and an estimate of the required resources.		CGMS-45	**OPEN**	3.2.1
ICWG	E.5.4	A44.12	**On ICWG matters:** ICWG to develop a detailed plan for the cloud intercomparison activity, including concept, deliverables, and an estimate of the required resources.		CGMS-45	**OPEN**	3.2.3
CGMSSEC	G.2	A44.13	**On carbon observation programmes:** Consistent with the discussions held at CGMS-44, CGMS Secretariat to request CEOS SIT Chair to organise a discussion at the CEOS SIT Technical Workshop (September 2016) on developing a suitable mechanism involving both CGMS and CEOS agencies to review how planned carbon observation missions might be better coordinated in response to the GCOS Implementation Plan and to develop a coherent contribution to the WMO Vision for WIGOS 2040.		Sep-16	**OPEN**	

CGMSSEC	G.2	A44.14	**On carbon observation programmes:** CGMS Secretariat to include a standing agenda item on carbon observation programmes at future CGMS plenary sessions.		CGMS-45	**OPEN**	
JWG CLIM (CGMS members)	H.3	A44.15	**On GCOS Implementation Plan:** CGMS - through the CEOS-CGMS JWG Climate (pascal.lecomte@esa.int, joerg.schulz@eumetsat.int) - to contribute to the public review of the draft GCOS Implementation Plan (http://www.wmo.int/pages/prog/gcos/)		25 July-5 Sept 2016	**OPEN**	5.1
JWG CLIM (CGMS members)	I.1	A44.16	**On training/VLab:** For the scoping of training activities on climate datasets: CGMS - through CEOS-CGMS JWG Climate - to inform the VLab TSO (luveeck@gmail.com) about access to the ECV inventory once available.		CGMS-45	**OPEN**	5.1
CGMS-44 Plenary Recommendations							
"Actionee"	**AGN item**	**Rec #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**

KMA, KARI, CMA, CNSA, JMA, JAXA	C.2	R44.01	**On disaster risk reduction:** The "Jakarta Declaration" recommends to CGMS that the satellite operators provide the necessary support to the Joint RA II/V WIGOS project on Satellite Data. The declaration encourages the satellite operators of the Republic of Korea, China, and Japan to make digital data at the full resolution available to all Members involved in the "Satellite Data project" and to support the project in any way they can.		CGMS-45	**OPEN**	1.1
IOC-UNESCO, CGMS members	C.7	R44.02	**On Second International Indian Ocean Expedition (IIOE-2) for enhanced data acquisition and management:** It was recommended to establish a working alliance between the IIOE-2 and the remote sensing community (CGMS) within/through the IIOE-2 Steering Committee framework and/or the IIOE-2 Joint Project Office.		CGMS-45	**OPEN**	2.5
CGMS agencies	C.8	R44.03	CGMS agencies to promote sustainability of satellite passive microwave sea ice measurements begun in 1978.		Long term	**OPEN**	1.1.6
CGMS agencies	C.8	R44.04	CGMS agencies to promote the implementation of sustained satellite scatterometer sea ice observations with scatterometer to provide an independent source of information concerning climate change impacts on the marine cryosphere.		Long term	**OPEN**	5.1

CGMS agencies	C.8	R44.05	CGMS agencies to promote sustainability of satellite frequent high--spatial marginal ice zone measurements for navigation and other near--real time applications.		Long term	**OPEN**	1.1
CGMS agencies	C.8	R44.06	CGMS agencies to promote the implementation of sustained satellite measurements of Arctic Ocean sea ice thickness.		Long term	**OPEN**	1.1
CMA, EUM, NOAA	F.1	R44.07	The GEONETCast operators (CMA, EUMETSAT and NOAA) to actively follow-up the commitment made at the Side Event at the GEO Mexico City Summit.			**OPEN**	
CGMS members	G.1.3	R44.08	**On SCOPE-NWC:** CGMS members to continue to support SCOPE-Nowcasting and its transition to preoperational phase, in particular to financially support the finalisation of the satellite-based volcanic ash retrieval algorithm intercomparison activity (Pilot Project 2) over the next 12-18 months. (Ref. CGMS-44-WMO-WP-15).		30 Dec 2017	**OPEN**	3.2.4
CGMS members	I.1	R44.09	**On training/VLab:** CGMS members are invited to share product information, dissemination information and training resources with the CoEs in Kenya, South Africa, Russian Federation, China, and Oman, and with users, to support VLab training activities in the Indian Ocean region.		Long term	**OPEN**	4.2.1

CGMS members	I.1	R44.10	**On training/VLab:** CGMS operators to make available training resources in all official languages as defined by the satellite operator's charter. Translation of training resources should be considered as a continuous, ongoing effort. Satellite operators without multiple official languages should consider coordinating the translation of their training resources through in-kind contributions by user institutions.		Long term	**OPEN**	4.2.1
CGMS members	I.1	R44.11	**On training/VLab:** CGMS to join efforts with VLab to investigate ways to fund the continuation of the Project "Conceptual Models for the Southern Hemisphere" (CM4SH) and also extend the initiative to prepare case studies related to the new generation of satellites.		Long term	**OPEN**	4.2

Actions and recommendations resulting from CGMS-44 Working Group I discussions
6-7 June 2016

WGI actions open from previous plenary sessions (at CGMS-44)							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
WMO	WGI/6	A43.06	WMO to assess the impact of improved data latency from polar orbiters on NWP (WMO Impact Workshops) and other applications	Next WMO workshop will take place in May 2016 (China), hence there might be a verbal/preliminary report only to CGMS-44.	(CGMS-44) New deadline CGMS-45	**OPEN**	1.1.2
CGMS-44 WGI actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
SFCG liaison officer (EUM)	WGI/2	A44.01	SFCG liaison officer to bring to SFCG/WMO the possibility of migrating the SFCG Remote Sensing Disaster Database (RSDD) into OSCAR from the following perspectives: • Identify the level of overlap between the two databases; • Possibility for WMO to introduce, and maintain, the delta elements of the SFCG RSDD into OSCAR; • Level of support of SFCG members to migrate the SFCG RSDD into OSCAR or preference to retain a separate database; • Arguments for retaining a stand-alone SFCG RSDD, if any.		CGMS-45	**OPEN**	1.3
SFCG liaison officer (EUM)	WGI/2	A44.02	SFCG liaison officer to provide a report to WGI on the outcome of SFCG by Q3 2016 (as part of the CGMS-45 WPs)		30 Sep 2016	**OPEN**	1.3.3
SFCG liaison officer (EUM)	WGI/2	A44.03	SFCG liaison officer to propose to SFCG that SFCG members will report yearly to SFCG on national regulatory changes/issue in their countries (e.g. to repurpose spectrum currently in use or planned for use by meteorological satellites (both active and passive spectrum bands)).		CGMS-45	**OPEN**	1.3.3
SFCG liaison officer (EUM)	WGI/2	A44.04	SFCG liaison officer to report to CGMS WGI as a permanent section of his yearly SFCG outcome report to WGI updates (relevant) on proposed regulatory changes to repurpose spectrum currently in use or planned for use by meteorological satellites (both active and passive spectrum bands).		CGMS-45	**OPEN**	1.3.3
CGMS space agencies	WGI/2	A44.05	CGMS agencies to provide prior to CGMS 45 a report on the space weather activities (including spacecraft and instruments) of relevance on Freq Management and freq protection topics		Feb 2017	**OPEN**	1.3

Status: 22 Aug 2016

Actions and recommendations resulting from CGMS-44 Working Group I discussions
6-7 June 2016

CGMSSEC	WGI/5	A44.06	CGMS Secretariat to distribute to CGMS members (PoC for SATCOM Forum at least) the questionnaire on IDCS (included in EUM-WP-06) end June 2016	*EUMETSAT (Sean Burns) circulated an e-mail to NOAA, ISRO, CMA JMA and ROSHYDROMET on 7 June 2016*	30-Jun-16	**CLOSED**	1.2.1
CGMS space agencies	WGI/5	A44.07	CGMS agencies to reply (end of August) to the questionnaire and to confirm attendees to the splinter meeting on IDCS during the next SATCOM Forum (Sept 2016 in Madrid)	NOAA and JMA have provided an input to EUMETSAT. To be discussed at the SATCOM Forum itself.	31-Aug-16	**CLOSED**	1.2.1
CGMS space agencies	WGI/6.1	A44.08	CGMS agencies with satellites with DB and RO occultation sensors to assess the technical feasibility of a RARS/DBNet RO occultation service in support of the Space Weather community.		CGMS-45	**OPEN**	1.4
CGMS space agencies	WGI	A44.09	From CGMS-44 WGII: CGMS operators and WMO to work with GODEX-NWP to explore options for optimal data exchange of advanced data from next-gen GEOs		CGMS-45	**OPEN**	
CGMS-44 WGI Recommendations							
"Actionee'	**AGN item**	**Rec #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
WMO	WGI/6	R43.03	WMO DBNET Coordination Group to report annually to CGMS WG-I on status and progress	Discussed at WGI webex session 21 Oct 2015 (best practice proposal). WMO DBNet presentation to be circulated to WGI (NOAA, EUM, CMA and ROSH in particular - LEO satellites with direct broadcast) CGMS-44 WMO-WP-10	(CGMS-44) New deadline CGMS-45	**OPEN**	1.4.4
CGMS space agencies	WGI/2	R44.01	CGMS agencies to inform their Freq Managers on the space weather activities to ensure the necessary protection and coordination at Freq management level		Long term	**OPEN**	1.3
CGMS space agencies	WGI/5	R44.02	All CGMS DCS operators to consider making all DCP messages available in the GTS.		Long term	**OPEN**	1.2
CGMS space agencies	WGI	R44.03	From CGMS-44 WGII: Agencies to explore the possibilities to develop suitable processing packages to support a direct broadcast implementation of RO processing, within the DBNet to improve timeliness for space weather applications			**OPEN**	5.2

Actions and recommendations resulting from CGMS-44 Working Group II discussions
6-7 June 2016

WGII actions open from previous plenary sessions (at CGMS-44)							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
CMA, EUM, JMA, NASA, NOAA, WMO	WGII/3	A42.02	The new task team on calibration events logging to identify a common set of parameters to be monitored as part of the calibration events logging and sensor performance monitoring.	1st step: Template for calibration event landing pages presented at GDAWG in March 2015. New version of OSCAR/Space allows for identification of individual instruments and thus linking to calibration event test pages, test mode of new version of OSCAR/Space continuing until 1 month before CGMS-43; 2nd step: Draft a white paper to agree on common terminology to be used on landing pages, foreseen in 2015/2016 for presentation to CGMS-44. CGMS-43 EUM-WP-10 CGMS-43-JMA-WP-03 (Section 2.4) NOAA: Work ongoing as a part of the GSICS work plan. Next steps are gathering information and agreeing on common terminology. New deadline following CGMS-43 WGII discussions. Nov 2015: Co-chair R Roebling, drafting white paper to be circulated within ICWG by end 2015 in preparation of CGMS-44. To be included in the GSICS paper following the new WGII agenda (possibly EUMETSAT's paper - TBD). *CGMS-44: Delays incurred - new deadline proposed.*	(CGMS-43) **New deadline: CGMS-45**	**OPEN**	3.1

KMA	WGII/4	A42.03	KMA is invited to present a paper of different sources of soil moisture retrieval on their NWP forecasts	CGMS-43-KMA-WP-04: Test use of Metop-B/ASCAT on their global NWP system New deadline following CGMS-44 WGII discussions - KMA NWP centre have not yet concluded analyses.	(CGMS-43) **New deadline: CGMS-45**	**OPEN**	-
CGMS space agencies	WGII/3	A43.01	Calibration events logging task team to prepare a white paper outlining the set of parameters, the nomenclature, and the standards to be used for reporting on instrument calibration across space agencies.	Nov '2015: Part of/related to CGMS-42 action 42.02. *CGMS-44: Work in progress, new deadline proposed.*	(CGMS-44) New deadline CGMS-45	**OPEN**	3.1
ROSH	WGII/3	A43.03	Roshydromet to present an update on Meteor-M N2 data access, processing packages, and results of an intercomparison of the IKFS-2 with other hyperspectral sounders (IASI, AIRS, CrIS), to CGMS-44.	Nov 2015: ECMWF has looked at microwave instruments which were reported on at the recent ITSC. ITWG and CGMS welcomes the sharing of data by ROSH, and further collaboration is expected. EUM has received Meteor-M N2 sample data of the MTVZA-GY Imaging/Sounding Microwave Radiometer (29 channels) and dissemination through EUMETCast is expected in Q1 2016 pending EUM Council approval in Dec 2015. mtg. ROSH will deliver a L1 pre-processing software to EUMETSAT early 2016. *CGMS-44: No progress reported at CGMS-44 - proposed new deadline.*	(CGMS-44) New deadline CGMS-45	**OPEN**	1.4.5

CGMS space agencies	WGII/3	A43.04	CGMS operators to provide a report on their approach on cal/val, including information on dedicated campaigns and permanent sites, and potential support to cal/val infrastructure, in order to maximize benefits of satellite missions.	Nov 2015: Feedback is expected as part of the general agency report or in a dedicated WP for the proposed new WGII agenda item 4 (CGMS-44 WG II item 8). 3 agencies reponded (JMA; NOAA NASA); keep open as action for CGMS-45 for remaining agencies.	(CGMS-44) New deadline CGMS-45	**OPEN**	-
CGMS space agencies	WGII/3	A43.05	CGMS operators to report on their specific plans for reprocessing and associated user requirements (such information would be useful for the ISWGs).	Item 8 - NASA, and NOAA responded (WP-09) keep open as action for CGMS-45 for remaining agencies.	(CGMS-44) New deadline CGMS-45	**OPEN**	5.1
CMA	(Plenary F.1.5.3) for WGII	A43.11	From CGMS-43 plenary: IROWG encouraged CMA to provide NRT GNOS data on the GTS, and CMA agreed to investigate this further	CGMSSEC recommends this to be discussed in WGII and reported to plenary through WGII	(CGMS-44) New deadline CGMS-45	**OPEN**	1.1.4
CGMS-44 WGII actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
SCOPE-CM Executive Panel	WGII/4	A44.01	SCOPE-CM should review its IP, Terms of Reference, and prepare for the next phase including a possible call for proposals.		CGMS-45	**OPEN**	5.1
CGMS space agencies	WGII/4	A44.02	CGMS members to submit data to the ICWG intercomparison: full-disk data at 10 minute temporal resolution, 2 km spatial resolution in the native AHI projection is preferred. The data should be submitted by 1 September 2016.		1 Sept 2016	**OPEN**	3.2.3

IPWG, IMD	WGII/4	A44.03	IPWG Rapporteur to liaise with IMD (AK Sharma) on the development of precipitation validation sites over India.		CGMS-45	**OPEN**	3.3.1
GSICS members, GSICS EP	WGII/4	A44.04	GSICS to review the GDWG Terms of Reference and associated indicated levels of effort of the members		CGMS-45	**OPEN**	3.1.1
GRWG	WGII/4	A44.05	GRWG to dicuss with ISCCP (SCOPE-CM Project 9) a detailed project proposal for the use of GSICS methodologies to produce a GSICS-compliant ISCCP dataset for evaluation		CGMS-45	**OPEN**	5.1
CMA	WGII/6	A44.07	CMA to provide more information (documentation, availability details, URL) about the 3D-ADVP tool , for inclusion in the WMO webpage on Visualization Tools to CGMSSEC.		1 Oct 2016	**OPEN**	
IMD	WGII/6	A44.08	IMD to provide more information (documentation, availability details, URL) about the RAPID tool , for inclusion in the WMO webpage on Visualization Tools to CGMSSEC		1 Oct 2016	**OPEN**	
CGMS space agencies	WGII/6	A44.09	CGMS operators and WMO to work with NAEDEX-APSDEU to explore options for optimal data exchange of advanced data from next-gen GEOs		CGMS-45	**OPEN**	2

IWWG	WGII/7	A44.10	IWWG to pursue intercomparisons of Meteosat-8 and FY-2/4 winds over the IODC region. During the transition phase also Meteosat-7 should be considered.		CGMS-45 (for update)	**OPEN**	3.2.1
CGMS members	WGII/7	A44.11	CGMS to develop best practices for documenting products and their quality.		CGMS-45 (for update)	**OPEN**	3
ROSH	WGII/7	A44.12	ROSHYDROMENT to explore the possibilities to implement an operational NRT service for the hyperspectral infrared sounder IKFS-2 on Meteor-M N2		CGMS-45	**OPEN**	1.4.5
IROWG	WGII/8	A44.13	IROWG to define the requirements on timeliness for RO observations		CGMS-45	**OPEN**	1.1.4
WGII	SWTT	A44.14	From CGMS-44 SWTT: WGII to determine how to implement the planning and development of Space Weather research and data management activities within the auspices of WGII.		CGMS-45	**OPEN**	
CGMS-44 WGII Recommendations							
"Actionee'	**AGN item**	**Rec #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
SCOPE-CM members	WGII/3	R43.01	SCOPE-CM to invite contributions to its next call for proposals, with particular regard to the sea ice, snow cover and land surface temperature communities, and others currently not represented.	SEP in Sep 2016 to decide on approach regarding next call for proposals		**OPEN**	3.3.2

CGMS members	WGII/3	R43.02	CGMS members to consider removing spectral gaps from future hyperspectral sounders to support GSICS intercalibration of IR imagers.	To be discussed at first WGII inter-sessional meeting after CGMS-44.		**OPEN**	3.1.1
CGMS members	WGII/6	R43.03	CGMS members to consider include a water vapour channel and a CO2 channel to polar-orbiting imagers, to maintain accuracy and coverage of polar winds and cloud height retrievals achieved by MODIS.	To be discussed at first WGII inter-sessional meeting after CGMS-44.		**OPEN**	1.1.6
CGMS space agencies	WGII/10	R43.07	CGMS agencies to make available a non real-time cache of satellite level 1 data over the previous 2-3 months, similar to the NOAA CLASS system.	CGMS-44 IMD: At present there are no such plans (until a new data centre is installed).	CGMS-44	**OPEN**	2
ISRO	WGII/5	R43.10	ISRO is encouraged to implementing a multi-sensor precipitation estimate based on SAPHIR and INSAT-3D		CGMS-45	**OPEN**	HLPP # 3
IWWG, IPET-OSDE	WGII/6	R43.12	IWWG to liaise with the application focal points in the WMO RRR process (on IPET-OSDE) to provide feedback on the winds-related observation requirements in the RRR database.		CGMS-44	**OPEN**	HLPP # 1.1

CGMS space agencies	WGII/7	R43.13	CGMS Members to approach Operators of GNSS systems to request them to provide a minimum level of information on the signal structure and interface control (ICD) in a timely manner to enable the use of these for future RO missions.	To be discussed at first WGII inter-sessional meeting after CGMS-44.	CGMS-45	**OPEN**	HLPP # 1.1.3
CGMS plenary	WGII/3	R44.01	CGMS to endorse the proposed Terms of Reference for WGII including the following updates: A 2-yearly rotation scheme for one of its co-chairs, with KMA starting after the end of CGMS-44 [Dohyeong Kim (KMA) to become the WG II co-chair, replacing Toshiyuki Kurino (JMA)]. Subsequently, co-chairs from CMA, JMA, ROSHYDROMET and IMD will follow. WMO to provide the second co-chair NOAA and EUMETSAT to provide the rapporteurs	Endorsed by CGMS-44 plenary	9 Jun 2016	**CLOSED**	
GSICS	WGII/4	R44.02	GSICS to report to SCOPE-CM projects on its plan to intercalibrate the geostationary ring using hyperspectral IR sounders as transfer function	*Response needed for SCOPE-CM EP*	15 Sep 2016	**OPEN**	3.3.2

GSICS	WGII/4	R44.03	GSICS member agencies to identify roles and responsibilities and funding needs to support the geostationary ring GSICS corrections including the processing of retrospective data going back to NASA EOS AIRS (2002).		CGMS-45	**OPEN**	3.1.1
CGMS space agencies	WGII/4	R44.04	CGMS agencies should employ the GSICS Correction as part of their operational procedures			**OPEN**	3.1.1
CGMS members	WGII/4	R44.05	CGMS members to budget a baseline funding for the cloud intercomparison study, given its importance and impacts on global cloud products.		1 Nov 2016	**OPEN**	3.2.3
IROWG, IPWG, IWWG, ITWG	WGII/4	R44.06	To enhance coordination, ISWGs to discuss with ICWG co-chairs key items for collaboration.		1 Sep 2016	**OPEN**	
CGMS R&D agencies	WGII/4	R44.07	Research agencies to consider continuing space-borne lidar for ice/liquid water since they have proven very valuable to validate retrievals from passive sensors			**OPEN**	1.1.3
CGMS space agencies	WGII/4	R44.08	All operators of next-generation GEO imagers to consider the implementation of routine full-disc 10-min (or better) scanning for nowcasting		CGMS-45 (for update)	**OPEN**	3.2.4

CGMS space agencies	WGII/4	R44.09	CGMS Members to continue an operational constellation of conically-scanning microwave platforms to guarantee sustained support for the current level of capability.	CGMS-44 WGII - For reference: WG III should discuss this and come up with results at CGMS-45.		**OPEN**	1.1.6
CGMS members	WGII/4	R44.10	At the request of IPWG, CGMS to improve cross-agency coordination of satellite assets into A-train-like convoys of instruments with sensitivities to distinct aspects of precipitation processes (e.g., CloudSat, EarthCare, GPM, etc.).	CGMS-44 WGII - For reference: WG III should discuss this and come up with results at CGMS-45.		**OPEN**	
NOAA	WGII/4	R44.11	NOAA to ensure that both, equatorial and polar components of COSMIC-2 are fully funded and launched.		CGMS-45 (for update)	**OPEN**	1.1.4
CGMS members	WGII/4	R44.12	CGMS agencies to target at least 20,000 occultations/day, at appropriate global distribution, to be made available to the operational and research communities, based on recent impact studies (NWP, climate and space weather)			**OPEN**	1.1.4

CGMS members	WGII/4	R44.13	CGMS agencies to ensure that the RO receiver design includes sufficient software/firmware flexibility to allow changes in the signal processing including processing of new GNSS signals/constellations, including ionospheric measurements			**OPEN**	1.1.4
CGMS space agencies	WGII/4	R44.14	CGMS agencies to maintain the constellation of at least three polar orbits (early morning, morning, and afternoon), each with full sounding capabilities (IR and MW). The overpass times of operational satellites with sounding capability (IR and MW) should be coordinated between agencies to maximize their value.	CGMS-44 WGII - For reference: WG III should discuss this and come up with results at CGMS-45.		**OPEN**	1.1.1
CGMS space agencies	WGII/4	R44.15	Future satellite programmes should include the provision of high temporal frequency MW humidity sounding radiances (alongside cloud and precipitation sensitive observations).	CGMS-44 WGII - For reference: WG III should discuss this and come up with results at CGMS-45.		**OPEN**	1.1.1
ROSH	WGII/4	R44.16	Roshydromet to develop and release a direct broadcast processing package for the Meteor-M N2 series, including level 1 processing for the MTVZA-GY microwave imager.		CGMS-45 (for update)	**OPEN**	1.1.5

CGMS space agencies	WGII/4	R44.17	CGMS agencies to identify the resources required to support the 3rd intercomparison of satellite-derived winds.	Reference is made to recommendation for ICWG.	1 Nov 2016	**OPEN**	3.2.1
CGMS space agencies	WGII/4	R44.18	CGMS satellite operators to consider coordination of orbits for scatterometer instruments and to provide open and timely access to data in order to maximise independent coverage and benefits to nowcasting and NWP from assimilation of scatterometer wind data.	CGMS-44 WGII - For reference: WG III should discuss this and come up with results at CGMS-45.		**OPEN**	1.1.6
CGMS space agencies	WGII/4	R44.19	CGMS agencies to explore possibilites to derive winds from new upcoming satellites and opportunities.		CGMS-45 (for update)	**OPEN**	
CGMS members	WGII/4	R44.20	CGMS members to continue to support SCOPE-Nowcasting and its transition to pre-operational phase, in particular to consider financial support the finalization of the satellite-based volcanic ash retrieval algorithm intercomparison activitiy (Pilot Project 2) over the next 12-18 months.	*Deadline for indication of support to volcanic ash activity)*	1 Nov 2016	**OPEN**	3.2.2
CGMS space agencies	WGII/6	R44.21	Operators to take into account in the planning of their data distribution systems the emerging stringent requirements on data latency from SRNWP		CGMS-45 (for update)	**OPEN**	2

CMA	WGII/7	R44.22	CMA to make available data from FY-3D HIRAS and FY-4A GIIRS early in commissioning		CGMS-45 (for update)	**OPEN**	
CGMS space agencies	WGII/7	R44.23	CGMS agencies with operational direct broadcast needs are encouraged to attend the next ITWG sponsored Direct Broadcast Users Meeting in March 2017 hosted by CONAE, Argentina.		Mar 2017	**OPEN**	
CGMS space agencies	WGII/7	R44.24	CGMS agencies to provide key documentation related to the quality of their products, to allow for informed uptake by users. These documents should include ATBDs, cal/val plans, and regular validation reports	CGMS-44 WGII: Part of WGII action to develop best practices	CGMS-45	**OPEN**	5.3
CGMS space agencies	WGII/7	R44.25	For monitoring the Polar Regions, the Group stressed the importance of the deployment of HEO missions	*Link to WGIII required?*		**OPEN**	1.1
CGMS space agencies	WGII/8	R44.26	Satellite operating agencies should support proposals and programs to acquire high-accuracy characterization measurements of the Moon, to develop a new, high accuracy, SI-traceable lunar reference standard for reflected solar wavelengths.			**OPEN**	3.1.2

CGMS space agencies	WGII/8	R44.27	Long-term continuity of absolute solar spectral irradiance measurement with SI-traceable accuracy should be ensured.			**OPEN**	3.2.1
CGMS space agencies	WGII/8	R44.28	Agencies to explore the possibilities to develop suitable processing packages to support a direct broadcast implementation of RO processing, within the DBNet to improve timeliness for space weather applications		CGMS-45 (for update)	**OPEN**	
WGII	WGIII/6	R44.29	From WGIII to WGII: WGII to study this issue and provide guidance on the potential impact of temporal a gap in the PMW SST products.		CGMS-45	**OPEN**	

Actions and recommendations resulting from CGMS-44 Working Group III discussions
7 June 2016

WGIII actions open from previous plenary sessions (at CGMS-44)							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing**	**Deadline**	**Status**	**HLPP ref**
ISRO	WGIII/2.2	A42.05	ISRO to report at CGMS-43 on its progress on radio-occultation processing of ROSA on Oceansat-2 and Megha-Tropiques, and on the possibility of near-real time access to ROSA data acquired at a high latitude station such as Svalbard.	CGMS-43 ISRO-WP-03 partially closed. NRT access to ROSA data remains open.	(CGMS-43) New deadline CGMS-45	**OPEN**	1.1.4
CGMS-44 WGIII actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing**	**Deadline**	**Status**	**HLPP ref**
CGMS members	WGIII/	A44.01	CGMS Members: to review and react to the WIGOS Vision 2040 as it develops	*EUM letter sent to WMO in July 2016.*	Aug-16	**OPEN**	1.1
WMO	WGIII/	A44.02	WMO Secretariat: to present the draft Vision at CEOS, GEO plenary sessions 2016.		31-Dec-16	**OPEN**	1.1
CGMS members	WGIII/3	A44.03	CGMS operators nominate focal points for maintaining these elements (dates, landing pages), and other elements included in OSCAR/Space (e.g., instrument characteristics).		Ongoing	**OPEN**	5.3
CGMS-44 WGIII Recommendations							
"Actionee'	**AGN item**	**Rec #**	**Description**	**Action feedback/closing**	**Deadline**	**Status**	**HLPP ref**
CGMS members	WGIII/2.2	R43.01	CGMS members are encouraged to consider including RO capabilities on all future polar-orbiting satellites.	CGMS-44 discussions:	Ongoing	**OPEN**	1.1.4

CGMS members	WGIII/	R44.01	CGMS Members are invited to comment on NOAA Commercial Space Policy and/or associated RFI by June 13, providing inputs per directions at the link: https://www.fbo.gov/index?s=opportunity&mode=form&id=09512e960853e562024b6bd2f631ee6b&tab=core&_cview=0		13 Jun 2016	**OPEN**	
WMO	WGIII/	R44.02	Noting the recent conclusions of the WMO IPET-DRMM and the concurrence expressed CGMS WG III, WMO is encouraged to add the satellite identifier (from Common Code Table C5) and satellite instrument identifier (from Common Code Table C8) to OSCAR Space.		CGMS-45	**OPEN**	2.7
CGMS space agencies	WGII	R44.03	From CGMS-44 WGII: CGMS Members to continue an operational constellation of conically-scanning microwave platforms to guarantee sustained support for the current level of capability			**OPEN**	
CGMS space agencies	WGII	R44.04	From CGMS-44 WGII: CGMS to have a special discussion on the value of formation flying similar to the A Train – especially for precipitation and other hydrological applications			**OPEN**	

CGMS space agencies	WGII	R44.05	From CGMS-44 WGII: CGMS satellite operators to consider coordination of orbits for scatterometer instruments and to provide open and timely access to data in order to maximise independent coverage and benefits to nowcasting and NWP from assimilation of scatterometer wind data.			**OPEN**	

Actions and recommendations resulting from CGMS-44 Working Group IV discussions
6-7 June 2016

WGIV Actions open from previous plenary sessions (at CGMS-44)							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
EUMETSAT	(WGIII/2.) WGIV/4?	A43.02	(Action transferred from WGIII) EUMETSAT to propose dissemination plan for data from Indian Ocean Data Coverage partners identified in CGMS-43-EUM-14 roadmap.	WGIV webex 9 Dec 2015: WMO seeking to assure that the dissemination to users will be equivalent to the current one (EUMETSAT, CMA, ROSH and ISRO to collaborate and clarify this in view of CGMS-44. EUMETSAT makes FY-2E data available through EUMETCast. EUM expects its Council to take a decision on moving Meteosat-8 to ca 40 degr E in June 2016 (after CGMS-44). *See CGMS-44 EUM-WP-14, extend deadline to CGMS-45, ongoing work*	(CGMS-44) New deadline CGMS-45	**OPEN**	1.1.6
NOAA	(WGI/4) WGIV/7?	A43.03	NOAA to consider including GLM products in the HRIT stream	Webex 21 Oct 2015 discussion: NOAA is working on it, and final product list will be ready in the course of 1st 1/2 of 2016. *NOAA is planning to include it in an updated Q3 2016 product list, extended deadline.*	(CGMS-44) New deadline Dec 2016	**OPEN**	

TT metadata	(WGI/6) WGIV/10.1	A43.05	CGMS Task Team on metadata to define discovery metadata for DBNET	WGIV webex 9 Dec 2015: Draft DBNet guide submitted to TT, for cross-checking. To assure meta data aspects are taken into account. Expected to be endorsed as part of the final report. *CGMS-44-EUMETSAT-WP-17, ongoing work, extended deadline.*	(CGMS-44) New deadline CGMS-45 (TFM????)	**OPEN**	3.4.1
CGMS members		A43.06	CGMS members to provide a listing of their data access portals.	CGMS-44-NOAA-WP-14 PPT EUM: http://navigator.eumetsat.int https://eoportal.eumetsat.int *Deadline extended following CGMS-44. OSCAR to be checked by the CGMS agencies*	(CGMS-44) New deadline CGMS-45	**OPEN**	-
CGMS-44 WGIV actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
TFMI (task force on Metadata)	WGIV/3.1	A44.01	To submit the “Guidance Documentation on WMO Core Profile Metadata Creation For Satellite Products” to WMO IPET-MDRD and IPET-SUP.		30 Dec 2016	**OPEN**	2.7
EUMETSAT	WGIV/7	A44.02	To provide a timeline for the users preparation information for MTG, in accordance with "CGMS-44-WMO-WP-02 Best Practices for Achieving User Readiness for New Meteorological Satellites"		30 Dec 2016	**OPEN**	5.3

CGMS members (data providers)	WGIV/10	A44.03	CGMS members (data providers) to a) discuss and respond to the recommendation from CGMS-44-CEOS-WP-02: CEOS recommends the adoption of the WGISS supported standards for searching Climate Data Records (CDRs). WGISS will provide technical support to CGMS data providers providing their climate data records through the WGISS data access infrastructure (IDN, CWIC, FedEO); and b) report how far the standards WGISS developed (as described in CGMS-44-CEOS-WP-02) are supported.	*For discussion at the next WGIV inter-sessional meeting*	CGMS-45	**OPEN**	5.1
JCOMM task team	WGIV/6.2	A44.04	The JCOMM Task Team To work together with the International Wind Working Group and the CEOS "Ocean Surface Vector Wind Virtual Constellation" (OSVW-VC) at developing a project on Surface Vector Winds, using the well-known and highly successful GHRSST Project as a model for the adoption of globally-agreed standards for the production and distribution of global, integrated, surface vector winds and associated products.		CGMS-45	**OPEN**	2.5
CGMS members	WGII	A44.05	From CGMS-44 WGII: CGMS operators and WMO to work with GODEX-NWP to explore options for optimal data exchange of advanced data from next-gen GEOs.		CGMS-45	**OPEN**	

ROSH	WGII	A44.06	From CGMS-44 WGII: ROSHYDROMENT to explore the possibilities to implement an operational NRT service for the hyperspectral infrared sounder IKFS-2 on Meteor-M N		CGMS-45	**OPEN**	
CGMS-44 WGIV Recommendations							
"Actionee"	**AGN item**	**Rec #**	**Description**	**Action feedback/closing document**	**Deadline**	**Status**	**HLPP ref**
CGMS space agencies	WGIV/7	R42.01	Satellite operators to provide WIS Discovery Metadata Records, compliant to WIS requirements and following the guidance to be provided by the CGMS-WMO Task Force on metadata implementation, in order to facilitate satellite information discovery and access	NOAA: Related to metadata, the best reference is NGDC metadata provided here the URL: http://www.ngdc.noaa.gov/metadata/ *WGIV CGMS-43 discussions: Ongoing and routine activity. Recommendation maintained until CGMS-44* *WGIV webex 9 Dec 2015: To be taken up at the TT on Meta Data meeting the week of 14 Dec 2015.* *See CGMS-44-EUMETSAT-WP-17. Recommendation still valid, to be retained.*	(CGMS-43) New deadline **CGMS-45**	**OPEN**	2.7
CGMS members	WGIV/3.2	R44.01	CGMS members to contribute to the implementation of the Best Practices for User Readiness for meteorological satellite systems under development, both GEO and LEO		CGMS-45	**OPEN**	5.3
CGMS members	WGIV/3.2	R44.02	CGMS members to continue the provision of up-to-date User Readiness information in the SATURN portal		CGMS-45	**OPEN**	5.3

EUM and NOAA	WGIV/11.1	R44.03	NOAA (and EUMETSAT, as appropriate) to continue their strong engagement in the WMO Coordination Group on Satellite Data Requirements for Region III and IV (Americas) and to provide support to Region-based access to satellite data, including from GOES-R and JPSS, according to user needs.		CGMS-45	**OPEN**	2.1
CGMS-44 plenary	WGIV/3.1	R44.04	WG-IV recommends to CGMS plenary to endorse the extension of the CGMS TFMI activity to assess the WIGOS Metadata OGC Observations and Measurements mapping and to report its findings/recommendations to WMO IPET-MDRD	Endorsed by CGMS-44 plenary	9 Jun 2016	**CLOSED**	2.7
CGMS-44 plenary	WGIV/3.2	R44.05	WG-IV recommends to CGMS plenary to adopt "CGMS-44-WMO-WP-02 Best Practices for Achieving User Readiness for New Meteorological Satellites", as far as it applies to satellite operators, as CGMS Best Practice.	Endorsed by CGMS-44 plenary	9 Jun 2016	**CLOSED**	5.3
CGMS-44 plenary	WGIV/3.3	R44.06	In the context of IODC data access, WG-IV supports the definition of essential data first and, once defined, recommends the distribution of these data via the established dissemination means by the CGMS agencies in the region (CMA, EUMETSAT, ISRO, ROSHYDROMET).	Endorsed by CGMS-44 plenary	9 Jun 2016	**CLOSED**	1.1.6

Actions and recommendations resulting from CGMS-44 Space Weather Task Team discussions
5 June 2016

CGMS-44 SWTT actions							
Actionee	**AGN item**	**Action #**	**Description**	**Action feedback/closing dc**	**Deadline**	**Status**	**HLPP ref**
SWTT		A44.01	SWTT to conduct a workshop with leadership from the various space weather communities that will benefit from CGMS coordination of space-based space weather observing systems.		15 Dec 2016	**OPEN**	5.2.1
SWTT members		A44.02	Members of SWTT review the current WIGOS 2040 vision to ensure inclusion of necessary space weather observations.		15 Dec 2016	**OPEN**	1.1.7
SWTT		A44.03	(From WGIII): SWTT members wishing to participate in the SETT activities are invited to participate in the SETT activities, and should provide their contact information to the SETT accordingly (Charles.wooldridge@noaa.gov).		1 Jul 2016	**OPEN**	4.1.1
CGMS-44 SWTT Recommendations							
"Actionee'	**AGN item**	**Rec #**	**Description**	**Action feedback/closing dc**	**Deadline**	**Status**	**HLPP ref**
CGMS-44 plenary		R44.01	**On Space Weather Task Team:** Sustain the SWTT for another year in order to enable CGMS space weather integration.	Endorsed by CGMS-44 plen	9 Jun 2016	**CLOSED**	5.2

Status: 22 Aug 2016