

PLENARY CGMS-45 actions and recommendations

CGMS-45 Plenary actions							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
CGMS space agencies	C.1	A45.01	CGMS space agencies to provide comments on draft Vision for WIGOS in 2040 (Appendix I) by 31/07/2017 (CGMS-45-WMO-WP-01)		31 Jul 2017	OPEN	
CGMS space agencies, IROWG, IPWG, IWWG, ICWG, ITWG	C.2	A45.02	CGMS International Science Working Groups and CGMS space agency members to formulate science questions, including the impact of data latency, in view of the 7th Impact WS 2020 (ref. CGMS-45-WMO-WP-02) and provide these to Iriishojgaard@wmo.int		CGMS-46	OPEN	
WMO	C.3	A45.03	WMO to, in collaboration with CEOS, to investigate the possibility of aligning the reporting templates for OSCAR/Space with those used to update the CEOS MIM database, at least for common parameters, thus facilitating the reporting task at the agency level.		CGMS-46	OPEN	
CGMS	C.3	A45.04	CGMS to invite the ISWGs to nominate experts for participation in the OSCAR/Space Science and Technical Advisory Team. End Aug 2017		End Aug 2017	OPEN	
NOAA	C.4	A45.05	NOAA/NESDIS to support the Space-based Monitoring of Weather and Climate Extremes project by providing satellite observations of heavy precipitation events, and land surface parameters for monitoring droughts. The observations are required with a short latency of about one day. Furthermore the project requires the creation of climate reference data sets which will be used by the RCCs to classify observations as extreme event or not (CGMS-45-WMO-WP-05)		31-Dec-17	OPEN	
JAXA	C.4	A45.06	JAXA to support the Space-based Monitoring of Weather and Climate Extremes project by providing a short-term (from 5-day up to monthly) climate normal from GSMaP data archives as a reference precipitation data set for the initial SEMDP areas, i.e. East Asia and Western Pacific regions. JAXA is also requested to set-up the on-line environment to provide GSMaP data with short latency to be utilized in the SEMDP (CGMS-45-WMO-WP-05).		31-Dec-17	OPEN	
IPWG	C.4	A45.07	IPWG co-chairs and rapporteur to provide guidance on the estimation of uncertainties and representativeness of the short-latency precipitation products related to the Space-based Monitoring of Weather and Climate Extremes project (CGMS-45-WMO-WP-05)		CGMS-46	OPEN	
JWG CLIM	C.4	A45.08	CEOS/CGMS Working Group on Climate to provide feedback on the proposed definition for ICDR (CGMS-45-WMO-WP-05)		CGMS-46	OPEN	
WMO	C.6.1	A45.09	WMO to report to CGMS-46 on the status of the development of WMO Policy Framework for public-private sector engagement in view of the implications for free and open international exchange of meteorological satellite observations		CGMS-46	OPEN	

PLENARY CGMS-45 actions and recommendations

WMO	C.6.1	A45.28	CGMS members to provide a focal point of contact to WMO (sbojinski@wmo.int) for participation in the WMO Public Private Engagement discussion	EUM: paul.counet@eumetsat.int	15-Oct-17	<b>OPEN</b>	
IOC-UNESCO	C.8	A45.29	IOC-UNESCO to provide a paper on guidance to CGMS members (at CGMS-46) on geostationary satellite measurements of essential ocean variables.		15-Apr-18	<b>OPEN</b>	
WMO	C.8	A45.10	WMO to report on the progress regarding JCOMM and satellite observations.		CGMS-46	<b>OPEN</b>	
EUMETSAT	D.13	A45.11	EUMETSAT, on behalf of ROSHYDROMET, to ingest Meteor-M N2 level 1 brightness temperatures from MTVZA-GY on the GTS for global data exchange		Q3 2017	<b>OPEN</b>	
IWWG	E.1.1.1	A45.12	IWWG to prepare a proposal to CGMS on how to fund the analysis of the future AMV International Intercomparison studies.		CGMS-46	<b>OPEN</b>	
CGMSSEC	E.2	A45.13	On behalf of CGMS, CGMS SEC to send a letter to ITU Secretary-General. Letter drafted by WGI (AWGI45.01) emphasising the need for protecting EESS and passive bands necessary for remote sensing. It also agreed in tasking WMO to take similar steps and informing the different members of WMO on the need of emphasising the importance of protecting the passive sensing bands (as per WGI discussions, CGMS-45-CGMS-WP-05)		Jun/Jul 2017	<b>OPEN</b>	
WMO	E.2	A45.14	WMO to send a letter to ITU Secretary-General based on the CGMSSEC letter (drafted by WGI (AWGI45.01) emphasising the need for protecting EESS and passive bands necessary for remote sensing. It also agreed in tasking WMO to take similar steps and informing the different members of WMO on the need of emphasising the importance of protecting the passive sensing bands (as per WGI discussions, CGMS-45-CGMS-WP-05))		mid July 2017	<b>OPEN</b>	
WGI/WGIV (CGMS members)	E.2	A45.15	<ul style="list-style-type: none"> <li>WGI/WGIV to establish a small task team to examine the current Terms of Reference in light of the thematic areas covered by both working groups to address overlap and to consider adding relevant topics related to satellite and ground system operational topics not currently covered in either of the two working groups and to report to CGMS-46</li> <li>The team should propose additional operational topics as well as possible alternatives for realignment of the themes for both working groups to include the possible merger of the two working groups (including the topics discussed in the Space Weather Task Team) (Ref. CGMS-45-CGMS-WP-05)</li> </ul>		CGMS-46	<b>OPEN</b>	
CGMS members	E.4	A45.16	CGMS members to nominate contributors to participate in the intersessional meetings on the CGMS contingency planning including the WMO face-to-face meeting (ref WGIII discussions, CGMS-45-CGMS-WP-07)	EUM: sean.burns@eumetsat.int	Jul-17	<b>OPEN</b>	
WMO	E.4	A45.17	WMO to call for and hold a face-to face intersessional meeting on the CGMS contingency planning in the second half of 2017 (ref WGIII discussions, CGMS-45-CGMS-WP-07)		Q3/Q4 2017	<b>OPEN</b>	

PLENARY CGMS-45 actions and recommendations

WMO	E.5	A45.18	WMO to send an invitation for the IPT-SWElSS to the CGMS Secretariat to secure participation by CGMS at the meeting.	WMO letter 22994/2017/OBS/SAT/IPT-SWElSS received by CGMSSEC.	Jul-17	<b>OPEN</b>	
CGMS members	G	A45.19	CGMS to deliver proposal to WMO for inclusion in Vision 2040 for a target architecture to monitor GHG and carbon from space. (Ref. CGMS-45 plenary session G)		Oct-17	<b>OPEN</b>	
CGMS members	H.2	A45.20	CGMS to endorse the gap analysis report and the coordinated action plan in writing prior to CEOS 2017 plenary meeting, to the Joint CEOS-CGMS WG Climate (pascal.lecomte@esa.int and joerg.schulz@eumetsat.int)		15-Oct-17	<b>OPEN</b>	
CGMS members	H.2	A45.21	CGMS to endorse the final draft of the space agency response to the new GCOS-IP in writing, prior to the submission to the SBSTA-47, to the CEOS-CGMS JWG Climate (pascal.lecomte@esa.int and joerg.schulz@eumetsat.int)		15-Oct-17	<b>OPEN</b>	
CGMS members	H.2	A45.22	CGMS to review the Space Agency Statement to COP-23 SBSTA-47 in writing (prior internal review by the EC and submission to the SBSTA-47 by 6 October 2017), to the Joint CEOS/CGMS WG Climate (pascal.lecomte@esa.int and joerg.schulz@eumetsat.int)		14-Jul-17	<b>OPEN</b>	
CGMS members	F.1	A45.23	CGMS members to consider ideas on further contributions to the 3 GEO Engagement Priorities (SDGs, Paris Agreement, Sendai Framework of Actions) and potential interests of participation to Flagships, Initiatives and Foundational Tasks in the GEO Work Programme 2017-2019		15-Sep-17	<b>OPEN</b>	
CGMS members	I.1	A45.24	CGMS Members to indicate to WMO (sbojinski@wmo.int) and the CGMS Secretariat (cgmssec@eumetsat.int) whether they would be interested in and in a position to host the VLab Technical Support Officer as of 1 September 2018.		15-Sep-17	<b>OPEN</b>	
CGMS space agencies, CGMSSEC	J.2	A45.25	CGMS space agencies to provide the list of oceanographic products from GEO satellites to cgmssec@eumetsat.int for provision to IOC-UNESCO.		30-Sep-17	<b>OPEN</b>	
CGMS members	J.2	A45.26	CGMS members to confirm participation in the 3 proposed Non Meteorological Applications projects - aerosol/dust, fire, and flooding - and nominate POCs to form Task Teams reporting to WGII		Sep-17	<b>OPEN</b>	
CGMS members	J.2	A45.27	CGMS members to confirm interest in a flood mapping pilot project using GEO satellites, as a proposal for the SCOPE-Nowcasting Executive Panel meeting on Sept 18-20, 2017		01-Sep-17	<b>OPEN</b>	
CGMSSEC	J.2	A45.30	Fire: CGMS SEC to approach GOF-C-GOLD to explore the possibility for CGMS members to become part of the fire project		??	<b>OPEN</b>	
CGMSSEC	J.2	A45.31	Aerosol: CGMS SEC to explore with AEROSAT if they pursue an activity regarding the use of new-generation GEO data.		??	<b>OPEN</b>	
CMA, NOAA	J.2	A45.32	NOAA and CMA to develop a proposal to develop GEO-based flood mapping as a potential SCOPE-Nowcasting pilot project. The WMO Multi-Hazard Early		??	<b>OPEN</b>	

PLENARY CGMS-45 actions and recommendations

CGMS-45 plenary Recommendations							
"Actionee"	AGN item	Rec #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
CGMS agencies	E.1.2	R45.01	IROWG recommends CGMS to encourage GNSS providers and agencies to make ICDs (Interface Control Documents) of GLONASS and Beidou Open Service signals available as soon as possible		N/A	OPEN	
WMO	E.1.3	R45.02	Recognising that IPWG has considerable expertise in precipitation science and applications, IPWG requests the WMO (likely via VLAB) to establish regular training events on precipitation data sets and applications, for which IPWG will provide disciplinary expertise.		N/A	OPEN	
CGMS members + IPWG, ITWG and ICWG	E.1.3	R45.03	Recognising the need for continued enhancements to the baseline precipitation observing system to a broader user community (including hydrology, NWP prediction, RTM modeling), IPWG recommends that CGMS members continue to pursue advanced sensors through close coordination with CGMS ISWG's including IPWG, ITWG and ICWG.		N/A	OPEN	
IOC-UNESCO, CGMS members	C.7	R44.02	<b>On Second International Indian Ocean Expedition (IIOE-2) for enhanced data acquisition and management:</b> 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.	There was no feedback by CGMS-45 and the recommendation remains open.	(CGMS-45) <b>CGMS-46</b>	OPEN	2.5

WGI CGMS-45 actions and recommendations

WGI actions open from previous plenary sessions (at CGMS-45)							
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-46	OPEN	1.1.2
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	CGMSSEC to request SWTT representative to provide a paper to WGI to this purpose (and present it in WGI). SWTT informed by e-mail 7 April 2017. Agency reports on Frequency topics to include a dedicated chapter on space weather.	( Feb 2017) CGMS-46	OPEN	1.3
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.	<i>Deadline extended following CGMS-45 discussions.</i> CGMSSEC to request IROWG representative to provide a paper to WGI to this purpose (and present it in WGI)	(CGMS-45) CGMS-46	OPEN	1.4
CGMS space agencies	WGI	A44.09	From CGMS-44 WGI: CGMS operators and WMO to work with GODEX-NWP to explore options for optimal data exchange of advanced data from next-gen GEOs	<i>Deadline extended following CGMS-45 discussions.</i>	(CGMS-45) CGMS-46	OPEN	
CGMS-45 WGI actions							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
EUM	3	A45.01	WGI chair to draft a letter, on behalf of CGMS, to ITU Secretary-General emphasizing the need for protecting EESS and passive bands necessary for remote sensing		End June 2017	OPEN	1.3
EUM	3.1	A45.02	CGMS/SFCG liaison officer to share SF36-45/D with WGI participants, IROWG chair and IPT-SWeISS members		End June 2017	OPEN	1.3
WMO	3.1	A45.03	WMO to share with all CGMS members the outcome of the survey prior to the inter-sessional meeting		Aug 2017	OPEN	1.3
CGMS WGI members	4.2	A45.04	WGI members to nominate/confirm points of contact participating in the related inter-sessional meetings		Jun 2017	OPEN	1.4
EUM	5	A45.05	EUMETSAT to report to CGMS-46 on the status of progress on future EDCP (ESA study)		CGMS-46	OPEN	1.2
CGMS members	5	A45.06	WGI participants to review annex I of CGMS-45-EUMETSAT-WP-30 and update the related information in time for the first inter-sessional meeting		Sep 2017	OPEN	1.2

WGI CGMS-45 actions and recommendations

CGMS members	6.2	A45.07	WGI to re-assess during the dedicated inter-sessional meetings the aspects of S/W delivery and installation needs in BP.04 for avoiding, if considered adequate, making explicit reference to any tool or package.		CGMS-46	OPEN	1.4
CGMS members	6.2	A45.08	CGMS member with satellites with a Direct Broadcast service to evaluate the draft template for reporting status of implementation and to address possible updates in the first of the inter-sessional meeting on DB topics identified above.		Oct 2017	OPEN	1.4.
<b>CGMS-45 WGI Recommendations</b>							
<b>"Actionee</b>	<b>AGN item</b>	<b>Rec #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
WGI and WGIV chairs and rapporteurs	9 (AOB)	R45.01	A small task team be established to examine the current Terms of Reference in light of the thematic areas covered by both working groups. The team should propose additional operational topics as well as possible alternatives for realignment of the themes for both working groups to include the possible merger of the two working groups.		CGMS-46	OPEN	
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 on the GTS.	CGMS-45 CMA-WP-xx CGMS-45 EUM-WP-xx CGMS-45 ISRO-WP-xx CGMS-45 JMA-WP-xx CGMS-45 NOAA-WP-xx CGMS-45 ROSH-WP-xx	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

WGII CGMS-45 actions and recommendations

WGII actions open from previous plenary sessions (at CGMS-45)							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
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.	ICWG plans underway (see above Action); communicate new Golden Day(s) to CGMS members as soon as decided; CGMS-45: remains open since some submissions missing or forthcoming	New deadline: ?? (1 Sept 2016)	<b>OPEN</b>	3.2.3
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	Documentation to be provided by Virendra Singh to WMO ; CGMS-45: Details to be provided by ISRO	1 Oct 2016	<b>OPEN</b>	

WGII CGMS-45 actions and recommendations

IROWG	WGII/8	A44.13	IROWG to define the requirements on timeliness for RO observations	CGMS-45: IROWG-WP-01: We recommend that future RO missions include communications infrastructure that will enable 95 % of the measurements to be available for use in operational models within 30 minutes or less. Data older than 30 minutes is of lower value for current models. Near-real time data latency would be optimal, but is not always practical, and should be considered to be a useful goal for future missions when possible. In the specific case of COSMIC-2 Polar, south polar ground stations (e.g., McMurdo, Troll) should be deployed to reduce data latency IROWG to look at the implications of the requirement on ionospheric processing.  IROWG rapporteur to check status (space weather-related); state-of-the-art to be reported out through IROWG	New deadline: CGMS-46 (CGMS-45)	<b>OPEN</b>	1.1.4
<b>CGMS-45 WGII actions</b>							
<b>Actionee</b>	<b>AGN item</b>	<b>Action #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
SCOPE-CM Chair	4	A45.01	SCOPE-CM Chair to inform ISRO about the maturity matrix model, to enable its application to ISRO datasets.		15 Aug 2017	<b>OPEN</b>	3.3.2
IROWG	4	A45.02	IROWG to develop a detailed proposal for OSSEs regarding LEO-LEO MW occultation and GNSS-RO&-reflectometry.		01-Nov-17	<b>OPEN</b>	



WGII CGMS-45 actions and recommendations

IWWG	4	A45.03	IWWG to liaise with the NOAA representative on PSTG (Jeff Key, jeff.key@noaa.gov) regarding the potential use of 3D winds from AIRS for Year of Polar Prediction studies.		01-Jul-17	<b>OPEN</b>	
IPWG	4	A45.04	IPWG to produce documentation on precipitation climate data record generation and related activities worldwide, including prospects for continuity		CGMS-46	<b>OPEN</b>	5.1
GSICS	4	A45.05	GSICS to produce annual state of the observing system report to be delivered at CGMS		CGMS-46	<b>OPEN</b>	3.1
CGMS agencies	4	A45.06	CGMS Agencies to implement Landing Pages on calibration events accessed via WMO-OSCAR.		CGMS-46	<b>OPEN</b>	3.1
CGMSSEC	5	A45.07	CGMS SEC to approach GOF-C-GOLD to explore the possibility for CGMS members to become part of the fire project.				
CGMSSEC	5	A45.08	CGMS SEC to explore with AEROSAT if they pursue an activity regarding the use of new-generation GEO data			<b>OPEN</b>	
CGMS agencies	5	A45.09	To confirm interest in a flood mapping pilot project using GEO satellites, as a proposal for the SCOPE-Nowcasting executive panel meeting (18-20 Sep 2017)		01-Sep-17	<b>OPEN</b>	

WGII CGMS-45 actions and recommendations

NOAA and CMA (lead), WMO (contributing)	5	A45.10	Develop a proposal to develop GEO-based flood mapping as a potential SCOPE-Nowcasting pilot project. The WMO Multi-Hazard Early Warning System (MHEWS) and the Flash Flood Guidance System (FFGS) should be invited to collaborate in this proposal.		01-Sep-17	<b>OPEN</b>	
<b>CGMS-45 WGII Recommendations</b>							
<b>"Actionee"</b>	<b>AGN item</b>	<b>Rec #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
ICWG	4	R45.01	ICWG to liaise with IPWG to explore common interests in the area of cloud microphysics and scattering libraries of hydrometeors (liquid, ice).			<b>OPEN</b>	3.7.2, 3.7.3
WMO	4	R45.02	Recognizing that IPWG has considerable expertise in precipitation science and applications, IPWG requests the WMO (likely via VLAB) to establish a regular training event on precipitation data sets and applications, for which IPWG will provide disciplinary expertise.			<b>OPEN</b>	4.2.1

WGII CGMS-45 actions and recommendations

CGMS member, WG III	4	R. 45.03	Recognizing the need for continued enhancements to the baseline precipitation observing system to a broader user community (including hydrology, NWP prediction, RTM modeling), IPWG recommends that CGMS members continue to pursue advanced sensors through close coordination with CGMS ISWG's including IPWG, ITWG and ICWG.			<b>OPEN</b>	
IPWG	4	R45.04	IPWG to maintain close relationship with GEWEX in its work, and at its next workshop (e.g. through a joint session)			<b>OPEN</b>	
GSICS	4	R45.05	Calibration events logging task team be folded under GSICS as a task team			<b>OPEN</b>	3.1
GSICS	4	R45.06	Under the task team, agencies should assess the compliance of each agency with the new guidelines on events logging, and establish a list of instruments to be addressed by the calibration logging system.		CGMS-46	<b>OPEN</b>	
ISRO	7	R45.07	ISRO to consider adding a direct broadcast capability to future satellites.			<b>OPEN</b>	
ROSH, WG IV	7	R45.08	Roshydromet to explore steps with Working Group IV to enable global exchange of data from the MTVZA-GY instrument.			<b>OPEN</b>	

WGII CGMS-45 actions and recommendations

CGMS agencies	8	R45.09	CGMS agencies encouraged to document their products online, including ATBDs and validation reports, and link product page URLs to the WMO Product Access Guide following defined documentation criteria. (current agency focal points in WMO IPET-SUP: Sally Wannop (EUMETSAT), Natalia Donoho (NOAA), Chu-Yong Chung and Jin Woo (KMA), Xiang Fang (CMA), Shiro Ohmori (JMA))			<b>OPEN</b>	
CMA		R45.10	CMA to add Clear-Sky Radiance as a FY-4A baseline product.			<b>OPEN</b>	
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.	SCOPE-CM executive panel in Sep 2016 to decide on approach regarding next call for proposals; check draft SEP-11 report		<b>OPEN</b>	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 second WGII inter-sessional meeting after CGMS-44. (For WG III to consider?)		<b>OPEN</b>	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 second WGII inter-sessional meeting after CGMS-44. (For WG III to consider?)		<b>OPEN</b>	1.1.6

WGII CGMS-45 actions and recommendations

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).		<b>OPEN</b>	2
ISRO	WGII/5	R43.10	ISRO is encouraged to implementing a multi-sensor precipitation estimate based on SAPHIR and INSAT-3D	CGMS-45: ISRO/IMD have plans		<b>OPEN</b>	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-45: IWWG addressed this for capabilities, need to follow up regarding requirements		<b>OPEN</b>	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 second WGII inter-sessional meeting after CGMS-44. CGMS-45: IROWG discussed this and made recommendations		<b>OPEN</b>	HLPP # 1.1.3
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	<i>done, occurring in IOGEO</i>		<b>OPEN</b>	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: Partially addressed; GRWG encouraged agencies to inter-calibrate past data		<b>OPEN</b>	3.1.1

WGII CGMS-45 actions and recommendations

CGMS space agencies	WGII/4	R44.04	CGMS agencies should employ the GSICS Correction as part of their operational procedures	Should be part of agencies		<b>CLOSED</b>	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.	CGMS-45: ICWG-WP-01: Currently, ICWG helps to facilitate the collection of data used for assessments (e.g., level-2 retrieval assessment in TG “Assessment of level-2 retrievals” or level-3 climate data records in TG “Assessment of cloud parameter data records for climate studies”), but many teams carried out the efforts on a volunteer basis. Lack of funding has limited the scope and prohibited a definitive analysis of the new HIMAWARI-8 data set.		<b>OPEN</b>	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.			<b>OPEN</b>	
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			<b>OPEN</b>	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: NOAA consider this for GOES-16		<b>OPEN</b>	3.2.4

WGII CGMS-45 actions and recommendations

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. CGMS-45: Questions of resolution, frequency need to be resolved, not just high-level mission continuity		<b>OPEN</b>	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.		<b>OPEN</b>	
NOAA	WGII/4	R44.11	NOAA to ensure that both, equatorial and polar components of COSMIC-2 are fully funded and launched.			<b>OPEN</b>	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)			<b>OPEN</b>	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			<b>OPEN</b>	1.1.4

WGII CGMS-45 actions and recommendations

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.		<b>OPEN</b>	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. CGMS-45: NASA Cubesat mission Tropics underway		<b>OPEN</b>	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.			<b>OPEN</b>	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.		<b>OPEN</b>	3.2.1



WGII CGMS-45 actions and recommendations

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.		<b>OPEN</b>	1.1.6
CGMS space agencies	WGII/4	R44.19	CGMS agencies to explore possibilities to derive winds from new upcoming satellites and opportunities.			<b>OPEN</b>	
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 activity (Pilot Project 2) over the next 12-18 months.	<i>Deadline for indication of support to volcanic ash activity)</i> <i>No indication of support to VA intercomparison so far received by WMO. WMO has identified resources to engage consultant for 2.5 months FTE to support SCOPE-Nowcasting.</i> <i>CGMS-45: Funds earmarked by EUMETSAT for 2018</i>		<b>OPEN</b>	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			<b>OPEN</b>	2
CMA	WGII/7	R44.22	CMA to make available data from FY-3D HIRAS and FY-4A GIIRS early in commissioning			<b>OPEN</b>	

WGII CGMS-45 actions and recommendations

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.	CGMS-45: Last week of June 2017, Madison WI, USA		<b>OPEN</b>	
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 NOAA-WP-13		<b>OPEN</b>	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	<i>Link to WGIII required? Yes</i>		<b>OPEN</b>	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.	CGMS-45: GSICS discussed this issue		<b>OPEN</b>	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.			<b>OPEN</b>	3.2.1

WGII CGMS-45 actions and recommendations

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			<b>OPEN</b>	
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: 6.9MHz currently used, in future only GCOM-W will provide this capability for the time being.		<b>OPEN</b>	
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: 6.9MHz currently used, in future only GCOM-W will provide this capability for the time being.		<b>OPEN</b>	

WGIII CGMS-45 actions and recommendations

<b>WGIII actions open from previous plenary sessions (at CGMS-45)</b>							
<b>Actionee</b>	<b>AGN item</b>	<b>Action #</b>	<b>Description</b>	<b>Action feedback/closing</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
CGMS members	WGIII/	A44.01	CGMS Members: To review and react to the WIGOS Vision 2040 as it develops	Input provided by EUM, NOAA (July 2016)	(Aug 2016) CGMS-46??	<b>OPEN</b>	1.1
WMO	WGIII/	A44.02	WMO Secretariat to present the draft Vision at CEOS, GEO plenary sessions 2016.		(End 2016) CGMS-46	<b>OPEN</b>	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).	EUM: sally.wannop@eumetsat.int NOAA: Matthew.Butler@noaa.gov	31 Jul 2017	<b>OPEN</b>	5.3
<b>CGMS-45 WGIII actions</b>							
<b>Actionee</b>	<b>AGN item</b>	<b>Action #</b>	<b>Description</b>	<b>Action feedback/closing</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
CGMS	WGIII/4	A45.01	Initiate review of CGMS Baseline, to be synchronised with development of WMO "Vision for WIGOS in 2040"		CGMS-46	<b>OPEN</b>	
WMO	WGIII/5.1.1	A45.02	Update the risks assessment and gap analysis of implementation against the CGMS baseline; include the potential risk of gaps in the capability for passive microwave imaging in this update		CGMS-46	<b>OPEN</b>	
CGMS	WGIII/5.4	A45.03	WMO to support one face to face Inter-session meeting to start off new planning effort.		CGMS-46	<b>OPEN</b>	
SETT	WGIII/8	A45.04	Propose a way forward for guiding and coordinating socio-economic Benefit studies among the CGMS community.		CGMS-46	<b>OPEN</b>	

WGIII CGMS-45 actions and recommendations

WGIII and SWTT	WGIII/9	A45.05	WGIII and SWTT to organize joint inter-sessional to discuss SW updates to CGMS baseline			<b>OPEN</b>	
WMO	WGIII/10	A45.06	Include impact of data latency among science questions posed to 7th WMO Impact Workshop		2020	<b>OPEN</b>	
WG III	WGII/4		<b>Action from WGII:</b> Study the continuity of the current constellation of passive microwave sensors (for high quality satellite precipitation products for weather, climate and hydrological applications) through proper coordination of satellites, sensors and equatorial crossing times.	CGMS-46		<b>OPEN</b>	
<b>CGMS-45 WGIII Recommendations</b>							
<b>"Actionee"</b>	<b>AGN item</b>	<b>Rec #</b>	<b>Description</b>	<b>Action feedback/closing</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
CGMS Agencies	WGIII/5.1.2	R45.01	Agencies to consider contributing resources (financial, in-kind, or via secondment) to the development and maintenance of OSCAR/Space			<b>OPEN</b>	
CGMS	WGIII/10	R45.02	Update HLPP to reflect discussion on contingency planning			<b>OPEN</b>	
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	<b>OPEN</b>	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	Ref. gap analysis discussion		<b>OPEN</b>	

WGIII CGMS-45 actions and recommendations

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			<b>OPEN</b>	
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.			<b>OPEN</b>	
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	<b>OPEN</b>	1.1.4

WGIV CGMS-45 actions and recommendations

WGIV Actions open from previous plenary sessions (at CGMS-45)							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
EUMETSAT	WGIII/2	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.	Status at CGMS-45: CGMS-45-EUMETSAT-WP-37 CGMS-45-ISRO-WP-05  Ongoing work , extend deadline to cgms-46  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° E in June 2016.  CGMS-44 EUM-WP-14  WG-IV WEBEX and communication 18 Jan 2017: Status of IODC Service by CMA: The CMA FY-2E at 86.5E is undertaking IODC service. CMA shall keep continuity	(CGMS-44, -45) <b>New deadline CGMS-46</b>	<b>OPEN</b>	1.1.6

WGIV CGMS-45 actions and recommendations

NOAA	(WGI/4) WGIV/7	A43.03	NOAA to consider including GLM products in the HRIT stream	<p>CGMS-45: evaluation by NOAA still going on.</p> <p>WG-IV WEBEX 18 Jan 2017 and communication: NOAA is considering putting GLM on HRIT/EMWIN. At this time, our plan is to include 5 channels of Cloud and Moisture Imagery (CMI) in Full Disk at 2 KM resolution and also 3 channels of mesoscale imagery. Under that plan, there would not be sufficient bandwidth for the predicted size of the GLM data. However, we are just receiving CMI data and will evaluate the HRIT broadcast over the next few weeks [in January 2017] prior to the public release of GOES-R data at the end of February 2017.</p> <p>Webex 21 Oct 2015 discussion: NOAA is working on it, and final product list planned for 2016.</p>	(CGMS-44, 45) <b>New deadline CGMS-46</b>	<b>OPEN</b>	
------	-------------------	--------	--	--	--	-------------	--



WGIV CGMS-45 actions and recommendations

TT metadata	(WGI/6) WGIV/10. 1	A43.05	CGMS Task Team on metadata to define discovery metadata for DBNET	<p>NOAA: CGMS-44-NOAA-WP-14 PPT</p> <p>EUM: <a href="http://navigator.eumetsat.int">http://navigator.eumetsat.int</a> <a href="https://eoportal.eumetsat.int">https://eoportal.eumetsat.int</a> CGMS-44-EUMETSAT-WP-17, ongoing work, extended deadline. CGMS-45: no change, extended deadline to WGIV IS meeting</p> <p>WG-IV WEBEX 18 Jan 2017 and communication: CMA <a href="http://data.cma.cn/en">http://data.cma.cn/en</a> <a href="http://satellite.nsmc.org.cn/PortalSite/default.aspx?currentculture=en-US">http://satellite.nsmc.org.cn/PortalSite/ default.aspx?currentculture=en-US</a></p> <p>NASA: <a href="https://search.earthdata.nasa.gov">https://search.earthdata.nasa.gov</a></p> <p>CGMS-45-ROSCOSMOS-WP-03</p> <p>Still not complete, extend due date to CGMS-46</p>	(CGMS-44, -45) <b>New deadline Dec 2017</b>	<b>OPEN</b>	3.4.1
----------------	--------------------------	--------	--	--	---	-------------	-------

WGIV CGMS-45 actions and recommendations

CGMS members		A43.06	CGMS members to provide a listing of their data access portals.	CGMS-44-NOAA-WP-14 PPT EUM: <a href="http://navigator.eumetsat.int">http://navigator.eumetsat.int</a> <a href="https://eoportal.eumetsat.int">https://eoportal.eumetsat.int</a>  WG-IV WEBEX 18 Jan 2017 and communication: CMA: <a href="http://data.cma.cn/en">http://data.cma.cn/en</a> <a href="http://satellite.nsmc.org.cn/PortalSite/default.aspx?currentculture=en-US">http://satellite.nsmc.org.cn/PortalSite/default.aspx?currentculture=en-US</a>  NASA: <a href="https://search.earthdata.nasa.gov">https://search.earthdata.nasa.gov</a>  CGMS-45-ROSCOSMOS-WP-03  Still not complete, extend due date to CGMS-46	(CGMS-44) <b>New deadline CGMS-46</b>	<b>OPEN</b>	-
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"	WG-IV WEBEX 18 Jan 2017  EUMETSAT: High Level information for Saturn was provided.  CGMS-45: Ongoing work, keep open until more mature. Extend deadline to WG-IV IS meeting	(30 Dec 2016) <b>New deadline Dec 2017</b>	<b>OPEN</b>	5.3
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.	WG-IV WEBEX 18 Jan 2017: WMO: GODEX-NWP scheduled May 2017, needs will be addressed there, WMO will provide feedback.  CGMS-45: GODEX-NWP not yet ready to provide feedback.	(CGMS-45) <b>New deadline CGMS-?? 46 or 47?</b>	<b>OPEN</b>	
<b>CGMS-45 WGIV actions</b>							
<b>Actionee</b>	<b>AGN item</b>	<b>Action #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>

WGIV CGMS-45 actions and recommendations

JMA/KMA	WGIV/4	A45.01	JMA/KMA to coordinate a regional user survey in RA II/V based on the WMO 2016 global survey (CGMS-45 WMO-WP-15) in collaboration with BOM and WMO, taking into consideration the communication satellite broadcast systems available in the regions.		CGMS-45	<b>OPEN</b>	2.1, 2.2
TFMI	WGIV/9	A45.02	TFMI to work on the WIGOS metadata standard, in particular to assess the WIGOS Metadata OGC Observations and Measurements standard, and recommend possible adjustments for satellite observations to the WMO WIGOS team.		CGMS-46	<b>OPEN</b>	2.7
CGMS satellite operators	WGIV/12.1	A45.03	CGMS satellite operators to provide documentation on the data formats for space weather observations, and to forward related space weather metadata to the WIS.		CGMS-46	<b>OPEN</b>	2.8
CGMS satellite operators	WGIV/12.2	A45.04	CCGMS members to report on the status of near real-time access to space weather data from instruments hosted on meteorological satellites. This includes data from space environment monitor suites, solar X-ray/EUV sensors, and radio occultation instruments on any orbiting satellite. Members are asked to detail product level definitions including near real-time availability of each level and user access required to obtain each level of data.		CGMS-46	<b>OPEN</b>	2.9
WG IV	WGII/4	A45.07	<b>Action from WGII:</b> Ensure timely (< 1 hr) and free access to all geostationary visible, IR and water vapour data that is required to improve global hydrological prediction.		CGMS-46	<b>OPEN</b>	
<b>CGMS-45 WGIV Recommendations</b>							
<b>"Actionee"</b>	<b>AGN item</b>	<b>Rec #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>

WGIV CGMS-45 actions and recommendations

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	<p><i>CGMS-45: Recommendation still valid, to be retained.</i></p> <p>NOAA: Related to metadata, the best reference is NGDC metadata provided here the URL:  <a href="http://www.ngdc.noaa.gov/metadata/">http://www.ngdc.noaa.gov/metadata/</a></p> <p>WGIV CGMS-43 discussions: Ongoing and routine activity. Recommendation maintained until CGMS-44</p> <p>WGIV webex 9 Dec 2015: To be taken up at the TT on Meta Data meeting the week of 14 Dec 2015.</p> <p>See CGMS-44-EUMETSAT-WP-17. Recommendation still valid, to be retained.</p>	(CGMS-43, -45) <b>New deadline CGMS-46</b>	<b>OPEN</b>	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	<p><i>CGMS-45: Recommendation still valid, to be retained.</i></p> <p>Closed for NOAA.</p>	(CGMS-45) <b>New deadline CGMS-46</b>	<b>OPEN</b>	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	<i>CGMS-45: Recommendation still valid, to be retained.</i>	CGMS-45	<b>OPEN</b>	5.3

SWTT CGMS-45 actions and recommendations

SWTT actions open from previous plenary sessions (at CGMS-45)							
Actionee	AGN item	Action #	Description	Action feedback/closing document	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.	CGMS-45: CGMS presentation and discussions have occurred at European Space Weather Week (ESWW) and UNCOPUOS. Discussions have been held with leadership of ISWI, COSPAR, and ISES. CGMS SWTT organized electron inter-calibration mini-workshop at US Space Weather Workshop CGMS space weather role is included in draft UNCOPUOS framework for space weather services.  Planned: Dedicated CGMS ESWW topical discussion meeting ("Space Weather Activities in the Coordination Group for Meteorological Satellites.") - Nov 2017 Presentation of CGMS at UN/US ISWI workshop - Jul/Aug 2017	(15 Dec 2016) <i>New deadline ??</i>	<b>OPEN</b>	5.2.1
CGMS-45 SWTT actions							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
CGMS space agencies	SWTT/7	A45.01	SWTT members to identify initial baseline for space-based space weather measurements and hold intercessional with WGIII to plan forward analyses. This will be finalized in the first inter-sessional to be held on 14 September 2017.		30 Sep 2017	<b>OPEN</b>	1.1.7
CGMS members	SWTT/10 (WGII/9)	A45.02	SWTT members review GSICS activities and deliver recommendations for its use as a framework for space weather sensor inter-calibration activities.		30 Dec 2017	<b>OPEN</b>	3.1.3
SWTT Co-Chairs	SWTT/10 (WGII/9)	A45.03	Invite a GSICS representative to the next SWTT inter-sessional meeting; and to a topical discussion during the European Space Weather Week Nov-Dec 2017 in Oostende, Belgium		30 Dec 2017	<b>OPEN</b>	3.1.3

SWTT CGMS-45 actions and recommendations

SWTT Co-Chairs	SWTT/10	A45.04	Survey CGMS member operators regarding if and how actions are taking by satellite operators in response to space weather threats and/or conditions		30 Dec 2017	OPEN	3.6.4
SWTT Co-Chairs	SWTT/10	A45.05	Engage ISES as an observer for CGMS plenary meeting and/or include with SWTT inter-sessional activities.		30 Dec 2017	OPEN	5.2.1
CGMS space agencies	SWTT/11	A45.06	CGMS operators report on internal procedures to determine if an anomaly results from a space weather event including what thresholds are used.		30 Dec 2017	OPEN	
SWTT Co-Chairs	SWTT/11	A45.07	CGMS to engage WMO IPT-SWeISS to encourage incorporation of an analysis of anomaly collection, reporting, and resolution processes into their work plan.		30 Dec 2017	OPEN	
SWTT	SWTT/15	A45.08	CGMS operators report on internal procedures to determine if an anomaly results from a space weather event including what thresholds are used.		CGMS-46	OPEN	
<b>CGMS-45 SWTT Recommendations</b>							
<b>"Actionee"</b>	<b>AGN item</b>	<b>Rec #</b>	<b>Description</b>	<b>Action feedback/closing document</b>	<b>Deadline</b>	<b>Status</b>	<b>HLPP ref</b>
		R44.01	<b>On Space Weather Task Team:</b> Sustain the SWTT for another year in order to enable CGMS space weather integration.	CGMS-45 discussions: Sustain the SWTT for another year in order to enable CGMS space weather integration into existing Working Groups.  (Recommendation endorsed by <i>CGMS-44</i> plenary).	(9 Jun 2016) Jun 2018	OPEN	5.2