

CGMS-51 Plenary actions

Plenary actions resulting from CGMS-51 plenary discussions

CGMS-51 Plenary Actions							
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status	HLPP ref
CGMS members <input type="checkbox"/> CMA <input type="checkbox"/> CNES <input type="checkbox"/> CNSA <input type="checkbox"/> ESA <input type="checkbox"/> EUMETSAT <input type="checkbox"/> IMD <input type="checkbox"/> IOC-UNESCO <input type="checkbox"/> ISRO <input type="checkbox"/> JAXA <input type="checkbox"/> JMA <input type="checkbox"/> KMA <input type="checkbox"/> NASA <input type="checkbox"/> NOAA <input type="checkbox"/> ROSCOSMOS <input type="checkbox"/> ROSHYDROMET <input type="checkbox"/> WMO <input type="checkbox"/> IOC UNESCO <input type="checkbox"/> JWGLIM Click to add a new task...	8.2	A47.11	Climate session: CGMS members to endorse (through a written procedure) the ECV inventory gap analysis report and updated coordinated action plan	<p>2023 27 Jun: Status and way forward was presented to plenary CGMS-51-JWGLIM-WP-02 ^{EXT}. The draft Gap Analysis Report is under preparation, the previous two gap analyses exercises v3 + v4 will be merged) expected to be ready in the latter half of 2023. The HLPP will also be updated to reflect the targets.</p> <p>2023 6 Jun: Status and way forward will be presented to CGMS-51 plenary (CGMS-51-JWGLIM-WP-02). The draft Gap Analysis Report is under preparation, the previous two gap analyses exercises v3 + v4 will be merged) expected to be ready in the latter half of 2023.</p> <p>(2023 2 Jun: CGMSSEC/WMO Considerations to link this to the outcome/next steps of the CGMS future direction project. TBD/TBC.)</p> <p>2023 Apr: WGClimate presented the status of affairs incl. that of the GHG TT and requests to the CGMS members CGMS-51-JWGLIM-WP-01 ^{EXT}</p> <p>2023 3 Feb: CGMSSEC has contacted Jeff Privette, Chair WGClimate, for a status update.</p> <p>2022 20 May/June: Ref. CGMS-50-JWGLIM-WP-02 (V3 will be integrated into Gap Analysis 4 Report expected for publication end of 2022).</p> <p>2021 29 Oct: The new version of the ECV Inventory (v4.0) is available on https://climatemonitoring.info/ecvinventory/ ^{EXT}.</p> <p>2021 27 Sep: Version 3.0 expected to be published end 2021 and will be endorsed via written/e-mail procedure. (Version 4.0 is under preparation, CGMS-49-JWGLIM-WP-01 and CGMS-49-JWGLIM-WP-03)</p> <p>2020 Aug 17: Further delayed due to the COVID-19 pandemic. The ECV Inventory v3 has been released on 30 July 2020. The gap analysis report is expected in September 2020. Virtual endorsement planned at time of CEOS Plenary (20-22 October 2020).</p> <p>2020 Jan 22: CGMSSEC #2: Delayed.</p> <p>2019 Nov 18: Gap analysis report and updated action plan are still being drafted due to delays in the verification of ECV entries due to slow response from agencies and subsequently delayed start of gap analysis. Report and plan should be available for review by end of November. Virtual endorsement is planned for Dec/Jan timeframe depending on review results.</p>	CGMS-52 (Nov 2023, Dec 2022, Oct 2019)	ONGOING	5.1.1
WMO	4.5	A50.01(b)	If night-time light capabilities shall be covered in the HLPP and the CGMS Baseline, WMO to reflect this in the WMO Gap Analysis.	<p>2023 22 Nov: (Monitored in the framework of WGIII).</p> <p>2023 2 Jun: Included in the HLPP. To be reviewed anew at the 6th risk assessment workshop in 2024.</p> <p>2023 23 Feb: Addressed at the 5th CGMS risk assessment workshop (21-23 Feb 2023) to be reviewed at the 6th CGMS WGIII risk assessment workshop 2024.</p>	CGMS-52 (CGMS-51)	ONGOING	1.2
CGMSSEC	5	A50.02	CGMS (SEC) to formally request the GHRSSST, IOCCG, OSTST, and OSTWG to analyse the state of the current and future ocean missions by analysing and contributing to the appropriate CGMS WGs (WG III in particular for observational gaps, and WG IV for data access) with a focus on operational requirements relevant to CGMS agencies, as part of their routine ocean WG activities.	<p>2023 22 Nov: CEOS Plenary approved an initial proposal to establish at COAST Virtual Constellation last week. Final approval will be at CEOS SIT in April (9-11 April 2024) where the TOR and implementation plan will be finalised.</p> <p>2023 23 March: Following discussions between CGMS members this action has been transferred to the CEOS COAST initiative (The Coastal Observations Applications Services and Tools (COAST) Ad Hoc Team ^{EXT}). To be reported upon to CGMS-52.</p> <p>2023 12 Feb: A first analysis of the latest CGMS WGIII tables by the CEOS VC co-Chairs has not identified any gaps for the core space-one marine measurements. Two issues to be followed have been flagged:</p> <p>a) the delay in JAXA's AMSR-3 and the impact on high-latitude SST; and</p> <p>b) the potential change in technology (TBC) for the Sentinel-3NG altimeters that could lead to some disruptions in the SSH time series in the mid-2030s.</p> <p>A second iteration is ongoing with the appropriate CEOS VC and consolidated findings will be reported to WGIII in April.</p>	CGMS-52 (Sep 2022)	ONGOING	
EUMETSAT (CGMSSEC)	5	A50.03	The CGMS Secretariat to collate the inputs from the Ocean WGs and prepare a co-authored report on the "State of operational satellite missions" describing the state of the operational missions and identifying any potential issues for the next 20 years (in cooperation also with the IOC and the WMO).	<p>2023 23 March: Following discussions between CGMS members this action has been transferred to the CEOS COAST initiative (The Coastal Observations Applications Services and Tools (COAST) Ad Hoc Team ^{EXT}). To be reported upon to CGMS-52.</p> <p>2023 22 Feb: CGMSSEC (through EUMETSAT) proposes to address this action/topic on occasion of OSOS-3, 12-15 June, and to provide an ocean</p>	CGMS-52 (June 2023)	OPEN	

				community response to/on the state of operational oceanography satellite missions. 2023 12 Feb: Delay expected. Currently anticipated for CGMS-52 in 2024.			
CGMS members	4.5	WGII/(P)A50.04	CGMS WGII members are invited to nominate candidates for positions of Vice-Chairs for GSICS-EP and GRWG. Please provide nominations to cgmssec@eumetsat.int and mitch.goldberg@noaa.gov (left NOAA)	2023 Jul: Closed following the GSICS-EP meeting. GSICS-EP Chair: Bojan.Bojkov@eumetsat.int GRWG Chair: EUMETSAT Mounir.Lekouara@eumetsat.int 2023 2 Jun: Expected to be addressed on the occasion of the upcoming GSICS EP (after CGMS-51 plenary) and as far as is possible closed.	July 2023 (Dec 2022)	CLOSED	
CGMS members (WGII and SWCG)	4.5	WGII+SWCG/ (P)A50.05	CGMS WGII and SWCG members are invited to nominate candidates for a subgroup within GSICS on Space Weather Cal/Val and Intercalibration, which will be focused on providing intercalibration for Space Weather. Please provide nominations to cgmssec@eumetsat.int and mitch.goldberg@noaa.gov (left NOAA)	2023 2 Jun: Expected to be addressed on the occasion of the upcoming GSICS EP (after CGMS-51 plenary) and closed. 2023 8 Feb: Current list of members of the task group on intercalibration of high energy electron sensor: <ul style="list-style-type: none"> • CMA Jianguang Guo • ESA Piers Jiggins, Hugh Evans, Melanie Heil, Juha-Pekka Luntama (from ET-SWx, WMO) • EUMETSAT Andrew Monham, Tim Hewison • KMA Dohyeong Kim, JaeYoung Byon (jybyon@korea.kr), Daehyeon Oh (update 17 Jan '24) • NASA Jim Spann • NICT Tsutomu Nagatsuma • NOAA Elsayed Talaat, Terry Onsager, Brian Kress, Juan Rodriguez • ROSHYDROMET Konstantin Ts. Litovchenko (TBC) 	July 2023 (Dec 2022)	ONGOING	6.2
CGMS space agency members	WGI report	A51.01	CGMS agencies to nominate additional members for all the WGI Task Groups, in particular those where no representatives of the agencies are currently participating in the Task Group(s). <ul style="list-style-type: none"> • New WGI TG: WGI TG on Radio Frequency Interference Issues • WGI TG on Satellite Data and Codes • Recent merge of two WGI TGs: WGI TG on Low Latency Data Access • WGI TG on Space Debris and Collision Avoidance • WGI TG on Data Collection Services 	<ul style="list-style-type: none"> • WGI TG on Radio Frequency Interference Issues <i>TG Chair: NOAA Beau Backus</i> CMA NIE Jing, niejing@cma.gov.cn CMA WU Shengli, wusl@cma.gov.cn EUMETSAT Elliott Simon, simon.elliott@eumetsat.int EUMETSAT Dreis Markus, markus.dreis@eumetsat.int EUMETSAT Nikolova Karolina, karolina.nikolova@eumetsat.int KMA Kim Dohyeong, dolong@korea.kr KMA JungHun CHOI, jhchoi75@korea.kr (Jan '24) NOAA Backus Beau, Beau.Backus@noaa.gov NOAA Dronen Skip, william.dronen@noaa.gov <ul style="list-style-type: none"> • WGI TG on Satellite Data and Codes <i>TG Chair: EUM Simon Elliott</i> CMA XU Zhe xuzhe@cma.gov.cn EUMETSAT Daniel Lee daniel.lee@eumetsat.int JMA Kazuki Shimoji kazuki.shimoji@met.kishou.go.jp JMA Kazutaka Yamada kyamada@met.kishou.go.jp JMA Arata Okuyama okuyama.arata@met.kishou.go.jp KMA Tae-kyu JANG denver@korea.kr (Jan '24) NOAA AK Sharma awdhesh.sharma@noaa.gov NOAA Maurice McHugh maurice.mchugh@noaa.gov ROSHYDROMET Nikita Ekimov nikitaekimov@planet.iitp.ru WMO Heikki Pohjola hpohjola@wmo.int WMO Enrico Fucile efucile@wmo.int CGMSSEC Mikael Rattenborg mikael@rattenborg.eu <ul style="list-style-type: none"> • WGI TG on Low Latency Data Access <i>TG Chairs: EUMETSAT Antoine Jeanjean, Andrew Monham</i> LWGI_LLDA@LISTSERV.EUMETSAT.INT CMA Siwei Tian, Shuze Jia, Chengli Qi, Lei Yang EUMETSAT Sean Burns, Remy Chalex, Pier Luigi Righetti, Jose Maria de Juano Gamio, Karolina Nikolova ESA Juha-Pekka Luntama, Frank Zeppenfeldt ISRO - vacant JAXA Toshiyuki Kurino KMA Dohyeong Kim, Sung-Rae Chung NASA Jack Lauderdale, Otto W. Bruegman, Jerry Visalsawat, Kelvin Brentzel NOAA Beau Backus, Bruce Thomas, Changyong Cao, Elsayed Talaat, Fred Mistichelli, Jordan Gerth, Justin 	Sep 2023	OPEN	

				<p>Gronert, Mark Turner, Nancy Ritchey, Otto Bruegman, William Skip Dronen, Satya Kalluri, Toby Hutchings</p> <ul style="list-style-type: none"> • WGI TG on Space Debris and Collision Avoidance <p>TG Chair: EUMETSAT Andrew Monham</p> <ul style="list-style-type: none"> • WGI TG on Data Collection Services <p>TG Chair: EUMETSAT Nicholas Coyne</p> <p>ISRO - invited to nominate a member</p>			
CGMS members	WGI report	A51.02	CGMS Members are invited to nominate candidates for WGI Co-Rapporteur and Co-Chair.		Sep 2023	OPEN	
IESWG CGMS rapporteur	WGII report	A51.03	The IESWG to report on progress to plenary CGMS-53		CGMS-53	OPEN	
CGMSSEC	WGII, WGClimatereports	A51.04	The CGMS Secretariat to secure the inclusion of an agenda item on the GEO-ring observations reprocessing for climate project at CGMS-52 plenary (plus GeoRing sounding capabilities for NWP)	Included on the CGMS-52 WG agenda initially	spring 2024	ONGOING	
	GHG TT, CGMS WGI-WGIV co-chairs and rapporteurs	A51.05	<p>The WGClimat GHG TT chairperson (Yasjka.meijer@esa.int) and the CGMS WGI - WGIV co-chairs and rapporteurs to meet (virtual sessions) to develop an initial path forward toward a future operational GHG monitoring system, and to define priorities, and to identify the roles of each CGMS WG for the implementation that becomes part of the roadmap's work plan.</p> <p>(Reference is also made to the CGMS-50 WGII actions related to the GHG TT).</p>	A first meeting is scheduled for 3 June 2024 on the occasion of CGMS-52 plenary.	Autumn 2023	OPEN	
CGMS members TBD	WGIV report	A51.06	<p>CGMS agencies to nominate additional members for all the WGIV Task Groups, in particular those where no representatives of the agencies are currently participating in the Task Group(s).</p> <p>WGIV Task Group on Data Access/Exchange</p> <p>WGIV Task Group on Metadata - CGMS members to nominate a chairperson for this TG.</p> <p>WGIV Task Group on User Readiness</p>	<p>WGIV Task Group on Data Access/Exchange</p> <p>TG Chair: TBD</p> <p>EUMETSAT Simon Elliott, Daniel Lee CMA Li Xiaoru NOAA AK Sharma</p> <p>WGIV Task Group on Metadata</p> <p>TG Chair: WMO Anna Milan</p> <p>CMA Xiangang Zhao ESA Alexi Glover</p> <p>EUMETSAT Nadeschda Nikitina, Simon Elliott ISRO Ruchi Modi</p> <p>JMA Yasutaka HOKASE KMA Taekyu Jang NOAA Paul Lemieux</p> <p>WGIV Task Group on User Readiness</p> <p>TG Chair: TBD [ISRO?]</p> <p>CMA Li Xiaoru</p> <p>EUMETSAT (TBC) Stephan Bojinski, Sreerekha Thonipparambil</p> <p>ISRO Nitant Dube JMA Takuya SAKASHITA</p> <p>NASA Brock Blevins</p> <p>NOAA Satya Kalluri, Jason Taylor, Vanessa Escobar</p>	Sept 2023	OPEN	
CGMS members	SWCG report	A51.07	CGMS members to nominate candidates for a co-rapporteur for SWCG	WMO has nominated Jesse Andries as co-rapporteur of the SWCG (Q1 2024)	Sept 2023	OPEN	
CGMS member principals	FUTURE DIRECTION	A51.08	<p>CGMS principals are invited to nominate a representative to participate in a drafting group tasked to develop, by CGMS-52, a CGMS statement on the optimum composition of hybrid architectures (combining reference platforms, small satellites and procurement of commercial data) for fulfilling the operational observation requirements of CGMS members in the future, recognizing the rapidly changing environment in small satellites and the commercial sector.</p> <p>In particular, the group will identify complementarity and associated merits between the three different aspects of a hybrid system, and will provide recommendations on an optimal mix to obtain essential observations, provided with very high reliability, or on how to fulfil the "backbone" observing requirements.</p>	<p>2024 April: CGMSSEC has circulated the draft high level statement to CGMS member focal points of contact to provide feedback and comments by 15 May 2024. The Secretariat will then provide it to plenary for endorsement.</p> <p>2023 8 Nov: CGMSSEC letter (EUM/CGMS/LET/23/1381413) circulated to members noting that the Secretariat together with the WMO will draft an initial statement. On the basis of the first draft statement, the CGMS Secretariat will arrange for online discussions with CGMS members. Members to nominate a representative <i>by end November 2023</i> for supporting the discussion and to share initial considerations for the preparation of the draft, please submit your input by email to cgmssec@eumetsat.int by mid-December 2023.</p> <p>CMA: Lei YANG yangl@cma.gov.cn NASA: sid.a.boukabara@nasa.gov WMO: Heikki Pohjola hpohjola@wmo.int</p>	15 May 2024, CGMS-52 plenary (31 July 2023)	ONGOING	2.8
CGMS members	FUTURE DIRECTION	A51.09	<p>CGMS members to nominate and/or confirm representatives for the "champion" to secure the continuity of the six pilot activities and within the respective working groups (as per CGMS-51-CGMS-WP-04)</p> <p>FUTURE DIRECTION</p> <p>1 Socio Economic Benefits</p> <p>WGIII / Yasushi Sumida JMA</p> <p>2 Hybrid Space Observations Architectures</p> <p>WGIV / Simon Elliott EUMETSAT</p>	<p>SEB: JMA / Y Sumida y_sumida@met.kishou.go.jp <i>addressed in CGMS-52 WGIII</i></p> <p>Hybrid architectures: EUM / Simon Elliott Simon.Elliott@eumetsat.int <i>addressed in CGMS-52 cross-cutting session on 24 April</i></p> <p>Private sector: NOAA / Mara Browne mara.browne@noaa.gov Support: WMO, hpohjola@wmo.int (TBC)</p>	31 July 2023	ONGOING	

			3 Private Sector WGII / Mara Browne NOAA 4 Research to operations WGIV (support WGII) / <ul style="list-style-type: none"> NOAA, NASA to confirm by end July '23 Other agencies to provide feedback by end July '23 5 Future information technology IOT: WGI / Antoine Jeanjean EUM AI/ML: WGII and WGIV / CMA XU Na Cloud: WGIV / VACANT 6 Space situational awareness SWCG, WGI / Juha-Pekka Luntama ESA - confirmed 7 Earth system monitoring WMO, Albert Fischer - confirmed 8 Support to developing countries CMA (name TBD by end July '23) - confirmed	<i>addressed in CGMS-52 cross-cutting session on 24 April</i> 20 Nov 2023: Call for inputs made to members for best practices pertaining to end user license agreements and/or procurements with the private sector - to develop best practices - and participation in task team requested. EUM: Daniel.Lee@eumetsat.int R2O: (joint NASA/NOAA effort) <ul style="list-style-type: none"> NASA Will McCarty, will.mccarty@nasa.gov NOAA Laurie Rokke, Laurie.Rokke@noaa.gov and Jordan Gerth, Jordan.Gerth@noaa.gov NOAA support: Matt Zandbergen, Matthew.Zandbergen@noaa.gov <i>addressed in CGMS-52 cross-cutting session on 23 April</i> Future IT: IOT / EUM / Antoine Jeanjean Antoine.Jeanjean@eumetsat.int <i>addressed in CGMS-52 WGI</i> AI/ML / CMA / Dr XU Na xuna@cma.gov.cn <i>addressed in CGMS-52 cross-cutting session on 23 April</i> CLOUD / vacant - CGMS members are invited to nominate candidates SSA: ESA / Juha-Pekka Luntama Juha-Pekka.Luntama@esa.int Proposed (Terms of Reference for) CGMS WGI Space Environment Sustainability Task Group <i>addressed in CGMS-52 SWCG</i> ESM: WMO / Albert Fischer afischer@wmo.int SDC: CMA / XIAN Di xiandi@cma.gov.cn			
CGMS members, CGMS WGs	AI/ML session	A51.10	AI/ML theme to be included on the plenary agenda at CGMS-52, with the CGMS WGs (WGII, WGIV, ...) to address AI/ML in their respective intersessional meetings in preparation. Focal point of contact/Coordinator: Champion of future direction AI/ML theme to be nominated (link to action above)	Will initially be addressed during the CGMS-52 WG session on 22-26 April 2025	CGMS-52	ONGOING	4.9

CGMS-51 Plenary Recommendations							
Leading entities	AGN item	Rec #	Description	Recommendation feedback/closing document	HLPP		
CGMS members	WMO MATTERS FOR COORDINATION WITH CGMS SPACE AGENCIES	R51.01	Plenary recommended that CGMS members actively support and respond to the WMO strategic initiatives and resolutions, such as EW4ALL, G3W, and Unified Data Policy implementation; and asks CGMS space agency members to participate in the upcoming Core Satellite Data Workshop (4-7 December 2023) and WMO Consultative Meetings on High-level Policy on Satellite Matters (Feb 2024).				
CGMS members	(WGIV/6)	R51.02 (WGIV(P)A50.01)	(Action to be monitored by WGIV) CGMS members are invited to contact WMO to provide contributions to the WMO VLab Trust Fund to ensure the continuation of technical support to the VLab through the VLab Technical Support Officer as well as to the implementation of VLab projects.	2023 11 July: Noted as a recommendation by the CGMS Secretariat 2023 28 June: Plenary endorsed the recommendation in the report by the VLab to plenary. The "action" still remains valid. 2023 19 June: CGMS members are kindly requested to contribute to the VLab to secure the continuity of this valuable activity. 2023 2 June: Topic to be raised in the report of the WGIV CGMS-51-WGIV-WP-01 ^{EXT} and VLab CGMS-51-VLab-WP-02 ^{EXT} to plenary.			

Considerations for CGMSSEC	
	Description
CGMSSEC	To review all CGMS WG TORs (streamlining) incl handling of CGMS ISWGs
CGMS members	
<input type="checkbox"/> CMA	
<input type="checkbox"/> CNES	
<input type="checkbox"/> CNSA	
<input type="checkbox"/> ESA	
<input type="checkbox"/> EUMETSAT	
<input type="checkbox"/> IMD	
<input type="checkbox"/> IOC-UNESCO	
<input type="checkbox"/> ISRO	
<input type="checkbox"/> JAXA	
<input type="checkbox"/> JMA	
<input type="checkbox"/> KMA	
<input type="checkbox"/> NASA	
<input type="checkbox"/> NOAA	
<input type="checkbox"/> ROSCOSMOS	
<input type="checkbox"/> ROSHYDROMET	
<input type="checkbox"/> WMO	
<input type="checkbox"/> IOC UNESCO	
<input type="checkbox"/> JWGCLIM	