

## CGMS-51-CGMS-WP-08 STATUS OF CGMS-50 PLENARY ACTIONS – Status 27 July 2023

### CGMS-50 Plenary actions

Summary list of actions containing open actions from CGMS-50 and other (earlier) plenaries.

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	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><b>2023 27 Jun:</b> Status and way forward was presented to <a href="#">CGMS-51-JWGCLIM-WP-02</a>. 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><b>2023 6 Jun:</b> Status and way forward will be presented to CGMS-51 plenary (CGMS-51-JWGCLIM-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><b>(2023 2 Jun:</b> CGMSSEC/WMO Considerations to link this to the outcome/next steps of the CGMS future direction project. TBD/TBC.)</p> <p><b>2023 Apr:</b> WGClimate presented the status of affairs incl. that of the GHG TT and requests to the CGMS members <a href="#">CGMS-51-JWGCLIM-WP-01</a></p> <p><b>2023 3 Feb:</b> CGMSSEC has contacted Jeff Privette, Chair WGClimate, for a status update.</p>	Nov 2023 (Dec 2022, Oct 2019)	ONGOING	5.1.1

<input type="checkbox"/> ROSHYDROMET <input type="checkbox"/> WMO <input type="checkbox"/> IOC UNESCO <input type="checkbox"/> JWGCLIM				<p><b>2022 20 May/June:</b> Ref. CGMS-50-JWGCLIM-WP-02 (V3 will be integrated into Gap Analysis 4 Report expected for publication end of 2022).</p> <p><b>2021 29 Oct:</b> The new version of the ECV Inventory (v4.0) is available on <a href="https://climatemonitoring.info/ecvinventory/">https://climatemonitoring.info/ecvinventory/</a>.</p> <p><b>2021 27 Sep:</b> 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-JWGCLIM-WP-01 and CGMS-49-JWGCLIM-WP-03)</p> <p><b>2020 Aug 17:</b> 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><b>2020 Jan 22:</b> CGMSSEC #2: Delayed.</p> <p><b>2019 Nov 18:</b> 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>			
	Chair of WGClimate/GHG TT	6.2	A48.07	<p>WGClimate/GHG TT Chair together with the CGMS WG representatives to define priorities for</p> <p><b>2023 27 Jun:</b> Status and way forward was presented to CGMS-51 plenary (<a href="#">CGMS-51-JWGCLIM-WP-02</a>). Meetings are planned for this autumn between the GHG TT and the CGMS WG representatives.</p>	2nd half of 2023 (CGMS-51,(Nov 2020)	<b>OPEN</b>	5.1.4

			CGMS WGI-IV contributions.	<p><b>(2023 2 Jun:</b> CGMSSEC/WMO Considerations to link this to the outcome/next steps of the CGMS future direction project. TBD/TBC.)</p> <p><b>2023 3 Feb:</b> CGMSSEC has contacted Jeff Privette, Chair WGClimate, for a status update.</p> <p><b>2022 20 May/June:</b> Ref. CGMS-50-JWGCLIM-WP-03. Ongoing, there will be a change in the Task Team lead and once this is in place, the response to the action can progress.</p> <p><b>2021 May 19:</b> Partially complete. Each CGMS WG has nominated a liaison who will be invited to participate in future WGClimate meetings. Before and during the next WGClimate meeting (August/September), WGClimate will work with these representatives on priorities. Expected to be addressed at CGMS-49 WGII and in the plenary climate session (and at the next GHG Task Team meeting)</p> <p>Representatives from CGMS:  WGI <a href="mailto:sean.burns@eumetsat.int">sean.burns@eumetsat.int</a>  WGII <a href="mailto:jeff.privette@noaa.gov">jeff.privette@noaa.gov</a>, <a href="mailto:mitch.goldberg@noaa.gov">mitch.goldberg@noaa.gov</a>  WGIII Peng ZHANG <a href="mailto:zhangp@cma.gov.cn">zhangp@cma.gov.cn</a>  WGIV <a href="mailto:sean.burns@eumetsat.int">sean.burns@eumetsat.int</a></p>			
Co-chairs of WGI, WGII, WGIII, WGIV	6.2	A48.08	CGMS WGs I-IV to reflect the operationalisation of the GHG monitoring system and to discuss with the WGClimate GHG Task Team the roles of each WG for the implementation that	<p><b>2023 27 Jun:</b> Reference is made to the WGClimate report to CGMS-51 plenary (<a href="#">CGMS-51-JWGCLIM-WP-02</a>). Meetings are planned for this autumn between the GHG TT and the CGMS WG representatives.</p> <p><b>2023 6 Jun:</b> Status and way forward will be presented to CGMS-51 plenary (<a href="#">CGMS-51-JWGCLIM-WP-02</a>). One objective of the GHG TT in 2023 is to update the roadmap towards achieving an operational system.</p>	2nd half of 2023 (CGMS-51, CGMS-49)	<b>OPEN</b>	5.1.4

			becomes part of the roadmap's work plan( <del>deadline CGMS-49 Plenary to serve as input for next WGClimate presentation</del> )	<p>GHG TT to reach out to CGMSSEC and relevant CGMS WGs.</p> <p><b>(2023 2 Jun:</b> CGMSSEC/WMO Considerations to link this to the outcome/next steps of the CGMS future direction project. TBD/TBC.)</p> <p><b>2023 3 Feb:</b> CGMSSEC has contacted Jeff Privette, Chair WGClimate, and Yasjka Meijer, GHG TT Chair</p> <p><b>2022 20 May/June:</b> Ref. CGMS-50-JWGCLIM-WP-03. Open, linked to A48.07 (and pending the new Task Team lead).</p> <p><b>2021 27 Sep:</b> No further progress. See action Plenary A48.07</p> <p><b>2021 24 Feb:</b> To be addressed initially on the occasion of the CGMS-49 working groups in April and at the next GHG TT meeting</p>			
IOC-UNESCO	2	A49.01	IOC-UNESCO to provide CGMS-50 guidance of the Global Ocean Observing System (GOOS) for improved IOC and WMO ocean and atmosphere predictions and other services.	<p><b>2023 27 June:</b> Closure proposed in view of the IOC-UNESCO input to the WMO Rolling Review of Requirements.</p> <p><b>2023 2 June:</b> WMO to contact IOC-UNESCO on a potential way forward. How CGMS (WGs I–IV) can support/close gaps in terms of operational ocean monitoring (taking CEOS marine initiatives into account).</p> <p><b>2022 May/June:</b> A brief CGMS-50 plenary session was held on operational ocean monitoring. Pending feedback by IOC UNESCO + WMO to reach out to IOC.</p>	CGMS-51 (CGMS-50)	<b>CLOSURE PROPOSED</b>	3.6
CGMSSEC, WMO	4.5	A50.01(a)	CGMSSEC and WMO to consider if night-time light capabilities should be covered in HLPP,	<b>2023 23 Feb:</b> Closed on the occasion of the 5th CGMS risk assessment workshop <a href="#">CGMS-51 WGIII report</a> (maintaining action A50.01(b) open).	CGMS-51	<b>CLOSED</b>	

			the CGMS Baseline, and should be reflected in the WMO Gap Analysis.			
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><b>2023 2 Jun:</b> Included in the HLPP. To be reviewed anew at the 6th risk assessment workshop in 2024.</p> <p><b>2023 23 Feb:</b> 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)	<b>ONGOING</b>
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><b>2023 23 March:</b> Following discussions between CGMS members this action has been transferred to the CEOS COAST initiative. To be reported upon to CGMS-52.</p> <p><b>2023 12 Feb:</b> 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)	<b>ONGOING</b>
EUMETSAT (CGMSSEC)	5	A50.03	The CGMS Secretariat to collate the inputs from the Ocean WGs	<b>2023 23 March:</b> Following discussions between CGMS members this action has been transferred to	CGMS-52 (June 2023)	<b>OPEN</b>

			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).	the CEOS COAST initiative. To be reported upon to CGMS-52.  <b>2023 22 Feb:</b> CGMSSEC (through EUMETSAT) proposes to address this action/topic on occasion of OSOS-3, 12-15 June, and to provide an ocean community response to/on the state of operational oceanography satellite missions.  <b>2023 12 Feb:</b> Delay expected. Currently anticipated for CGMS-52 in 2024.			
CGMSSEC/ CGMS members	8	A50.04	CGMSSEC to invite CGMS members to nominate participants to the CGMS future direction 2022+ Task Team and review the associated draft ToRs	<b>CLOSED.</b> Task team and <a href="#">ToRs</a> established. The representatives are: CMA: GUAN Min, XU Na ESA: Susanne Mecklenburg EUM: Sean Burns ISRO: JV Thomas JMA: Kotaro Bessho (TT Chairman) KMA: Sung-Rae Chung NOAA: Mary Ann Kutny WMO: Anthony Rea  CGMSSEC: Anne Taube, Paul Counet, Mikael Rattenborg, Robert Husband, Paolo Ruti  ToRs and documentation can be found under Task Team in <a href="#">CGMS future direction 2022</a>	Sep 2022	<b>CLOSED</b>	
CGMS future direction Task Team	8	A50.05	The CGMS future direction Task Team to report to the final	<b>2023 27 Jun:</b> Presented to CGMS-51 plenary <a href="#">CGMS-51-CGMS-WP-04</a> , <a href="#">CGMS-51-CGMS-WP-07</a> . The task team to be dissolved on the occasion of CGMS-51	CGMS-51	<b>CLOSURE PROPOSED</b>	

			conclusion to plenary for plenary endorsement (according to the to-be-agreed Terms of Reference)	plenary, and associated actions and activities to be handled within the framework of the established CGMS working groups. New associated actions/recommendations have been recorded			
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There were also the following actions placed for WGII and WGIV monitoring/controlling:

CGMS-50 actions - Plenary Session - For WGII to monitor/control							
Actionee	AGN item	Action	Description	Action feedback/closing document	Deadline	Status	
IESWG co-chairs	4.5	IESWG/(P)A50.01	The IESWG to finalise its draft Terms of Reference, and provide them to the WGII lead	<p><b>2023 April:</b> The Terms of Reference were addressed at CGMS-51 WGII <a href="#">CGMS-51-GUEST-WP-06</a>.</p> <p><b>2023 3 Feb:</b> CGMSSEC has contacted G Balsamo for the status of affairs. Preparations are underway for CGMS-51 WGII</p>	Apr 2023	<b>CLOSED</b>	
WGII lead	4.5	WGII/(P)A50.02	<p>WGII to review and discuss the ToRs and once finalised, circulate to CGMS members for consideration and comments. WGII leads will then interface with the IESWG lead to complete the ToRs.</p> <p>WGII will then bring the Terms of Reference to CGMS-51 Plenary for endorsement.</p>	<p><b>2023 27 Jun:</b> In the framework of the WGII report to CGMS-51 plenary, <a href="#">CGMS-51-WGII-WP-02</a>, plenary endorsed the creation of the CGMS ISWG IESWG for an initial four year period (phased approach) with an interim reporting expected to plenary CGMS-53 in 2025.</p> <p><a href="#">CGMS-51-GUEST-WP-06</a> The IESWG has been addressed within the framework of WGII. WGII will report to plenary and recommend the IESWG is formally associated with the CGMS as a new CGMS ISWG</p>	CGMS-51 WGII, CGMS-51	<b>PROPOSED CLOSURE</b>	
WGII lead	4.5	WGII/(P)A50.03	WGII will engage with IESWG in discussions on future priorities for CGMS Science Working Groups	<b>2023 27 June:</b> Proposal to close this and instead open a new action on IESWG to provide a progress report to plenary CGMS-53 (half way through the initial 4-year period.	Q2 2024 (Q1 2023)	<b>CLOSURE PROPOSED</b>	

			Rephrase? What are the future priorities for IESWG within the framework of WGII and CGMS?	<b>2023 2 June:</b> To be addressed by WGII and the IESWG between CGMS-51 and CGMS-52		
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 <a href="mailto:cgmssec@eumetsat.int">cgmssec@eumetsat.int</a> and <a href="mailto:mitch.goldberg@noaa.gov">mitch.goldberg@noaa.gov</a> (left NOAA)	EUMETSAT: <a href="mailto:Bojan.Bojkov@eumetsat.int">Bojan.Bojkov@eumetsat.int</a> /GSICS-EP, and <a href="mailto:Mounir.Lekouara@eumetsat.int">Mounir.Lekouara@eumetsat.int</a> /GRWG  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)	<b>ONGOING</b>
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 <a href="mailto:cgmssec@eumetsat.int">cgmssec@eumetsat.int</a> and <a href="mailto:mitch.goldberg@noaa.gov">mitch.goldberg@noaa.gov</a> (left NOAA)	<b>2023 2 Jun:</b> Expected to be addressed on the occasion of the upcoming GSICS EP (after CGMS-51 plenary) and closed.  <b>2023 8 Feb:</b> Current list of members of the task group on intercalibration of high energy electron sensor: <ul style="list-style-type: none"> <li>• <b>CMA</b> Jianguang Guo</li> <li>• <b>ESA</b> Piers Jiggins, Hugh Evans, Melanie Heil, Juha-Pekka Luntama (from ET-SWx, WMO)</li> <li>• <b>EUMETSAT</b> Andrew Monham, Tim Hewison</li> <li>• <b>KMA</b> Dohyeong Kim , Jiyoung Kim, Daehyeon Oh</li> <li>• <b>NASA</b> Jim Spann</li> <li>• <b>NICT</b> Tsutomu Nagatsuma</li> <li>• <b>NOAA</b> Elsayed Talaat, Terry Onsager, Brian Kress, Juan Rodriguez, and Mikayla Appell</li> <li>• <b>ROSHYDROMET</b> Konstantin Ts. Litovchenko (TBC)</li> </ul>	July 2023 (Dec 2022)	<b>ONGOING</b>
GHG TT (JWG-	8.1	To be monitored by WGII	Once the new GHG TT chairperson is in place, the GHG	<b>2023 27 June:</b> To be addressed on the occasion of the meeting planned for autumn 2023 between the GHG TT	autumn 2023	<b>OPEN</b>



Climate, WGII)		WGII/(P)A50.06	TT to invite CGMS WG I-IV points of contact for a dedicated discussion on specific CGMS WG contributions	<p>Chair and the CGMS WGs I-IV (focal points of contact, co-chairs and rapporteurs. Reference is also made to <a href="#">CGMS-51-JWGCLIM-WP-02</a>).</p> <p><b>2023 3 Feb:</b> CGMSSEC contacted Y. Meijer for a status update</p> <p>New Chairperson is <a href="mailto:Yasjka.Meijer@esa.int">Yasjka.Meijer@esa.int</a></p> <p>Representatives from CGMS WGI to WGIV:</p> <p>WGI <a href="mailto:sean.burns@eumetsat.int">sean.burns@eumetsat.int</a></p> <p>WGII <a href="mailto:jeff.privette@noaa.gov">jeff.privette@noaa.gov</a>, <a href="mailto:mitch.goldberg@noaa.gov">mitch.goldberg@noaa.gov</a></p> <p>WGIII <a href="mailto:zhangp@cma.gov.cn">zhangp@cma.gov.cn</a> (Peng ZHANG)</p> <p>WGIV <a href="mailto:sean.burns@eumetsat.int">sean.burns@eumetsat.int</a></p>	(Jan 2023)	
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CGMS-50 actions - Plenary Session – For WGIV to monitor and manage						
Actionee	AGN item	Action	Description	Action feedback/closing document	Deadline	Status
CGMS members	6	WGIV/(P)A50.01	<p>(Action to be monitored by WGIV)</p> <p>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.</p>	<p><b>2023 19 June:</b> CGMS members are kindly requested to contribute to the VLab to secure the continuity of this valuable activity.</p> <p>2023 2 June: Topic to be raised in the report of the WGIV <a href="#">CGMS-51-WGIV-WP-01</a> and VLab <a href="#">CGMS-51-VLab-WP-02</a> to plenary.</p>	CGMS-51	<b>ONGOING</b>