

CGMS-53 Plenary actions

Plenary actions resulting from CGMS-54 plenary discussions

CGMS-53 Plenary Actions						
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status
WMO, WGClimate GHG TT	4	53.01	WMO and the WGClimate GHG Task Team to work on baseline requirements for operational GHG monitoring (considering requirements for revisiting time (mapping capabilities), product timeliness, and product availability and completeness) that ensures a common understanding of the requirements and can function as a guideline for the utilisation of current and the establishment of future missions including from the commercial sector.	<p>13 Apr 2026 Side meeting held at CGMS-54 WGs. A proposal will be made to plenary.</p> <p>14 Jan 2026 Side meeting scheduled on the occasion of the CGMS-54 WG meetings on 13 April.</p>	CGMS-54	ONGOING (tentative closure following CGMS-54 plenary)

CGMS-53 Plenary Actions						
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status
WMO, WGClimate GHG TT	4	53.02	WMO and the GHG Task Team capture the requirements of IMEO and other interested applications for methane observations from geostationary orbit. These are necessary to enable an operational implementation by CGMS agencies.	<p>19 May 2026 A proposal will be made to plenary.</p> <p>13 Apr 2026 Side meeting scheduled on the occasion of the CGMS-54 WG</p> <p>14 Jan 2026 Side meeting scheduled on 13 April afternoon (CEST) on occasion of the CGMS-54 WG meetings.</p>	CGMS-54	ONGOING (tentative closure following CGMS-54 plenary)

CGMS-53 Plenary Actions						
Actionee	AGN item	Action #	Description	Action feedback/closing document	Deadline	Status
CGMS members	4	53.03	<p>CGMS members to provide feedback on the draft common practice document for remote sensing-based estimates of facility-scale emissions to Paul Green (paul.green@npl.co.uk) and John Worden (john.r.worden@jpl.nasa.gov) copy to CGMSSEC@eumetsat.int</p> <p>https://www.cgms-info.org/Agendas/GetWpFile.ashx?wid=46ed374b-19bd-4ea8-92d7-26051665f580&aid=16bce6f8-3abf-44a7-88d2-38abff9bd878</p> <p>https://www.cgms-info.org/Agendas/GetWpFile.ashx?wid=46ed374b-19bd-4ea8-92d7-26051665f580&aid=bcbf0183-4b5d-4046-be17-e2aa087e84a1</p>	<p>11 Aug 2025 No further feedback received. Action closed.</p> <p>16 Jun 2025 NASA will provide its input via the WGClimate Chair (from NASA) and to Paul Green/John Worden.</p>	30 June 2025	CLOSED
Paul Green, CGMS members	4	53.04	<p>Paul Green to submit the final version of the common practice document for remote sensing-based estimates of facility-scale emissions to CGMSSEC@eumetsat.int for further circulation to and confirmation by CGMS members.</p>	<p>11 Aug 2025 Deadline for full endorsement <i>moved forward</i> by GHG TT.</p> <p>E-mail circulated with final version of the document by CGMSSEC on 11 Aug 2025.</p>	<p>18 Aug 2025</p> <p>1 Oct 2025, 30 Nov 2025</p>	CLOSED

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CGMS members	4	53.05	The Chairperson of the 2 June side meeting (joerg.schulz@eumetsat.int) proposed to provide the outline of the updated Global Stock Take (GST) strategy to the CGMS Secretariat by end June. CGMS members will be requested to provide feedback to CGMSSEC by September 2025, confirming if CGMS in principle should join the strategy by formally endorsing it at Plenary level by correspondence by end 2025 (i.e. on the understanding that CEOS SIT concurs to a joint document).	12 Aug 2025 CEOS has informed CGMS that this document will remain a CEOS document rather than a joint CGMS-CEOS document. Action therefore closed. 16 Jun 2025 NASA will respond once the outline is provided.	30 June 2025, 30 Sept 2025	CLOSED
IESWG leading entity	5	53.06	On IESWG: IESWG to share with CGMSSEC (for redistribution to CGMS members) the outcome of its June 2025 meeting, incl. updated ToRs, and for further reporting to CGMS-54	14 Apr 2026 CGMS-54 WGII. WGII unanimously recommended the IESWG to continue as a CGMS ISWG, and encouraged the IESWG to further highlight the link to the CGMS. 02 Feb 2026 ToR and meeting report circulated to CGMS members through the list servers 14 Jan 2026 TORs prepared, minor update needed before circulation in CGMS. Q3 2025 Reminder sent to the IESWG leading entity.)	CGMS-54 (14 April 2026, 15 Aug 2025)	ONGOING (tentative closure following CGMS-54 plenary)

CGMS-53 Plenary Actions						
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CGMSSEC, CGMS members, WGII, WGIV	6	(53.07)	<p><i>For reference ! See detailed action breakdown further below.</i></p> <p><i>On AI/ML:</i></p> <p><i>CGMS Secretariat to survey CGMS contributing agencies. WGII and WGIV to propose initial standards to be presented at CGMS-54</i></p> <p><i>(To facilitate the use of AI/ML by CGMS contributing agencies and meteorological data users, CGMS shall identify standards for using and converting meteorological EO data into a suitable form for Machine Learning applications. The key elements to be addressed are:</i></p> <ul style="list-style-type: none"> <i>+ Data standards and formats, such as for example the Zarr usage best</i> <i>+ practices Most relevant data transformation/representation per measurement type, i.e., remapping, standard vertical grids, etc.</i> <i>+ Adoption of standard metadata per measurement type, preferably using CF metadata conventions, i.e., source of the information, AI fused or original data, error characterisation of original and fused data.)</i> 	<p>15 Apr 2026 CGMSSEC / EUMETSAT will elaborate on the response to these actions and raise new or revised actions as necessary</p> <p>14 Apr 2026 CGMSSEC presented the preliminary outcome of the survey on AI/ML. https://www.cgms-info.org/Agendas/PPT/CGMS-54-WGII-WP-07, https://www.cgms-info.org/Agendas/WP/CGMS-54-WGII-WP-07</p> <p>(12 Aug 2025 WGII and WGIV leading entities requested to provide the questions for the survey to CGMSSEC for September.)</p>	CGMS-54 WG and plenary (Autumn 2025)	Partly closed, ONGOING

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WGI, WGII, WGIV	6	53.07	<p>On data curation standards:</p> <p>WGI, WGII and WGIV to jointly draft standards that will be reviewed at CGMS-54 WGI/WGII/WGIV.</p> <p>WGI on the standardization of formats through its Task Group on Satellite Data and Codes.</p> <p>WGIV on the metadata aspects through its Task Group on Metadata (once a new chair has been found).</p>		Feb 2026, April 2026	OPEN
WGII, CGMSSEC	6	53.07i	<p>AI/ML applications catalogue:</p> <p>Centralisation of global AI advancements for community reuse, similar to GitHub repositories.</p> <p>CGMSSEC to circulate a survey on model metadata as prepared by WGII</p>		Dec 2025, Jan 2026	OPEN
WGII	6	53.07ii	<p>AI/ML applications catalogue:</p> <p>WGII to prepare a first version cataloguing such meta data and present it to CGMS-54.</p>		Feb 2026, April 2026	OPEN

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WGII, SWCG	6	53.07iii	Space weather AI readiness: SWCG and WGII to jointly hold 2–3 online meetings in order to address the prediction of solar flares and coronal mass ejections (CMEs), as well as tackling the challenges associated with real-time forecasting.		Q1 2026, April 2026	OPEN
IPWG	6	53.07iv	AI error propagation framework for precipitation products: IPWG to formulate a methodology to measure the uncertainties caused by AI in operational products.		Q1 2026, April 2026	OPEN
IWWG	5	53.08	IWWG to consider holding a 5 th AMV Global Intercomparison Study	14 Apr 2026 IWWG reported they are planning to undertake this. When?	CGMS-54	Proposed closure
CGMS members		53.09	CGMS members to review the revised HLPP 2025-2029 (https://www.cgms-info.org/Agendas/WP/CGMS-53-CGMS-WP-27) and provide feedback if/as necessary to cgmssec@eumetsat.int	12 Aug 2025 No further inputs received. Action closed. 16 Jun 2025 NASA has no further inputs on the HLPP.	23 Jun 2025	CLOSED

CGMS PLENARY RECOMMENDATIONS				
Leading entities	AGN item	Rec #	Description	Recommendation feedback/closing document
CGMS space agency members	5	R53.01	On ITWG - instrument disaggregation As part of future architecture analysis, due attention must be given to ensure that the disaggregation of instruments does not degrade the time/space coincident measurements in different spectral ranges currently found in the backbone missions. Any disaggregation could impede the effectiveness of various meteorological and environmental applications such as for example severe weather nowcasting or large-scale aerosol/ash plume monitoring.	

CGMS PLENARY RECOMMENDATIONS				
Leading entities	AGN item	Rec #	Description	Recommendation feedback/closing document
CGMS members	WMO matters for coordination with CGMS space agencies	R51.01	<p>WMO initiatives 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.</p> <p>(Original recommendation: 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).)</p>	<p>12 Jun 2025 Recalled on the occasion of the CGMS-53 plenary 3-5 June 202</p> <p>27 Mar 2025 CGMS-53 WGIII, recommendation remains valid. WMO recalls CM-16 on 3-4 March 2026 and the participation of CGMS space agency heads.</p> <p>04 Jun 2024 https://www.cgms-info.org/Agendas/PPT/CGMS-52-WMO-WP-03p, https://www.cgms-info.org/Agendas/PPT/CGMS-52-WMO-WP-02p Recommendation carried over to CGMS-52 actions and recommendations</p> <p>09 Apr 2024 Most CGMS members participated in the NWP core satellite data workshop, and CM-15 and provided their inputs to WMO.</p>

CGMS PLENARY RECOMMENDATIONS				
Leading entities	AGN item	Rec #	Description	Recommendation feedback/closing document
CGMS members	WMO matters for coordination with CGMS space agencies	R51.02	<p>Contributions to the VLab Trust Fund (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.</p>	<p>17 Apr 2026 CMA has indicated they expect to contributed to the trust fund. 12 Jun 2025 Recalled on the occasion of the CGMS-53 plenary 3-5 June 2025</p> <p>27 Mar 2025 CGMS-53 WGIII. This recommendation remains valid, and also valid for the WMO space programme trust fund. 04 Jun 2024 https://www.cgms-info.org/Agendas/PPT/CGMS-52-VLab-WP-01p, https://www.cgms-info.org/Agendas/PPT/CGMS-52-GUEST-WP-03 Recommendation carried over to CGMS-52 actions and recommendations</p> <p>23 Apr 2024 Addressed at CGMS-52 WGIV meeting. WMO expected to address this in detail at CGMS-52 plenary,</p> <p>2023 11 July: Noted as a recommendation by the CGMS Secretariat</p> <p>2023 28 June: Plenary endorsed the recommendation in the report by the VLab to plenary. The "action" still remains valid.</p> <p>2023 19 June: 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 CGMS-51-WGIV-WP-01^{EXT} and VLab CGMS-51-VLab-WP-02^{EXT} to plenary.</p>