



CGMS-52 PLENARY SESSION

June 4–6, 2024
United States



Working Group III Key Recommendations to CGMS Plenary 52

Presented to CGMS-52 Plenary, Agenda Item 5

Executive Summary

Working Group III presented to plenary [the report on their intersessional activities](#) reported to Plenary on their activities since CGMS-51. Specifically, WGIII requested CGMS-52 Plenary:

- Support for the nomination of Dr. TANG Shihao to serve as co-chair of WGIII;
- Accept [the 6th CGMS Risk Assessment](#)
- Adopt the WGIII recommended changes to the [CGMS Baseline](#)
- Endorse the [CGMS Best Practices for Commercial Data Buys](#)

WGIII further encouraged CGMS Members to participate in the 7th Risk Assessment Workshop and to consider presenting under the two WGIII standing agenda items: Socioeconomic Benefits and Relationship with the Private Sector.

Working Group III Leadership: Co-Chair Nomination to replace Dr. ZHANG Peng



TANG Shihao, Ph.D.

Deputy Director-General, National Satellite Meteorology Center (National Space Weather Monitoring and Early Warning Center), China Meteorological Administration

Key Activities of WGIII in the Intersessional Period

- Conducted the 6th CGMS Risk Assessment
- Recommended updates CGMS Baseline
- Advanced the CGMS Futures 2022+ Projects: Relationship with the Private Sector
 - Surveyed Members for information on their commercial data purchases and policies
 - Established a standing agenda item under WGIII for Members to report on commercial data plans, pilots and evaluations of new technologies
 - WGIII is recommending Plenary endorse the CGMS Best Practices on Commercial Data Buys
 - Established relationship with WMO leading to the 5th High-level session of the WMO Open Consultative Platform focused on public-private engagement for sustainable satellite data service being held next week in Geneva.
- Received updates on significant observational mission (*INSAT-3DS, Oceansat-3, MTG and PACE*), WIGOS Vision, OSCAR Space, Member Socioeconomic Benefit Studies (*European Space Weather Service, Arctic Observing Mission, EPS-Sterna and EPS-Aeolus*), WMO's efforts to establish core satellite data, and discussed the CGMS Futures Hybrid Architecture activities.

For Plenary Endorsement: Updated CGMS Baseline

[CGMS Baseline: Sustained contributions to the observing of the Earth system, space environment and the Sun](#)
CGMS52-WGIII-WP-07

Recommended Changes:

- Add L5 to the list of orbits considered by CGMS for exploitation
- Adjust the attributes for the following Sensors:
 - *Hyperspectral Infrared Sounder*: Update GEO Range to 86.5° – 140°E
 - *Multipurpose Meteorological Imagers*: Add “A day-night visible channel in the LEO early morning and afternoon orbits”
 - *Coronagraph*: Add L5 and remove references to a GEO Range
 - *EUV Imager*: Remove reference to specific GEO positions

WGIII Proposed Edits to HLPP

Proposed for Closure:

- 1.1.2 Ensure continuity of precipitation radar observations
- 1.1.5 Ensure continuity of coronagraph, plasma analyser and magnetometer observations from L-1 through exploitation of scientific space weather missions for operational gap filling
- 1.2.12 Move towards an operation space weather monitoring capability from the Lagrangian Point 5
- 1.2.15 Work towards auroral monitoring capabilities
- 1.6.3 Develop best practices/templates: for End User License Agreements/Procurements, for considering the value of public access and the additional costs of data sharing rights, Incl. quality control consideration

Proposed for Removal:

- 1.2.5 Work towards optimising the distribution of planned scatterometer missions across different polar and inclined non-synchronous orbits to achieve the 6-hour sampling requirement of the WIGOS and resolve diurnal variations
- 1.4.2 Develop capacity to assess socio-economic benefits of CGMS satellite missions

Proposed Edits:

- 1.2.9 Advance the atmospheric radio occultation constellation, with the long-term goal of providing 20000 occultations per day **with uniform spatial and local time coverage** on a sustained basis

To be considered by CGMS-52 Plenary:

- Accept Nomination of TANG Shihao, CMA/NMSC, as co-chair of WGIII
- Approve [CGMS Baseline Updates](#)
- Accept [6th CGMS Risk Assessment](#)
- Endorse the [CGMS Best Practices for Commercial Data Buys](#) (CGMS Futures 2022+ Project: Relationship with the Private Sector, HLPP 1.6.3)
- Members are encouraged to consider presentations next year under the WGIII standing agenda items for Socioeconomic Benefits and Relationship with the Private Sector
- Accept proposed updates to the High Level Priority Plan (HLPP)
- Note the 7th CGMS Risk Assessment Workshop will be held virtually from 25 to 27 February 2025.



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Thank you.

WG-III Co-Chairs:
Irene Parker, Co-Chair
TANG Shihao, Co-Chair

Rapporteur:
Heikki Pohjola, WMO