



Future direction of CGMS

proposal by the CGMS Secretariat

Presented to CGMS-50 Plenary session
AGN item: AOB

Considerations for setting future direction of CGMS

OBJECTIVE

Take benefit of CGMS-50 to have a strategic review of CGMS activities and processes and ensure that CGMS continues to best serve its members and users, in a rapidly changing environment

This activity is needed to:

- Take into account the impact of the changing environment and user requirements;
- Take into account changes in CGMS leadership;
- Set the priorities for the next 10 years and beyond; and
- Regularly assure CGMS activities address issues of importance to space agencies and users in the long term.

Considerations for setting future direction of CGMS

TOPICS FOR CONSIDERATION

- Future strategic topics which will impact activities of CGMS agencies and interactions with users :
 - Evolution of user requirements – focus on NWP and operational interests from weather, climate and environmental communities – need for data to support adaptation and mitigation under a warming climate
 - Evolution of space architecture with increasingly integrated approach towards Earth System observations, and potential impact on users
 - Evolution of ground segment and potential impact on users
 - Future combined LEO/GEO products
 - Roadmap towards inclusion AI/ML and Cloud technologies in operations
 - Interactions with commercial providers
 - Evolution of WMO requirements and role of WMO in defining CGMS priorities (i.e. GHG Observing System,...) – the increasingly integrated approach to the Earth system
 - Sustained interactions and definition of high level scientific requirements with International Science Working Groups
- Function and priorities CGMS working groups
 - How WGs fit into CGMS and also how CGMS WG outcomes are/should be used by Agencies
 - Good practices (current systems), future focused on new systems
- Interfaces with other international groups (CEOS / GEO) to optimise synergies and avoid duplications
- Tuning of the CGMS high level priority plan (HLPP) and possible revision of the CGMS Charter

Proposed process to address the future of CGMS

Formation of a Task Team consisting of

- One co-chair / rapporteur of the five CGMS working groups
- Nominated representatives from the CGMS members (5)
- 1 nominated representative each from WMO and IOC/GOOS
- Representatives from the CGMS Secretariat.

Will be established, for 1 year, based on **Terms of Reference** to be agreed by CGMS Members, with the objective to report and make proposals to CGMS-51

Chairmanship of Task Team to be decided at CGMS-50

Most of the work will be performed remotely

One workshop might be organised at mid-term, i.e. back to back with Risk Assessment workshop

EUMETSAT will provide consultancy support to the activity of the Task Team

PROPOSED TIMELINE

| Dates | Activity |
|------------------------------------|---|
| End August 2022 | Formation of task group (nominations to be provided to CGMSSEC by end August 2022) and approval of Terms of Reference |
| September and December 2022 | Task group to meet virtually (kick off and progress meetings) |
| ~February 2023 | Task group to meet back to back with the WGIII 5 th risk assessment workshop |
| ~April 2023 | Task group to meet virtually and prepare final conclusions for CGMS-51 plenary |
| <i>Mid-2023</i> | <i>Task group to meet on the occasion of CGMS-51 WGIII plenary session</i> |
| Mid-2023 | Task group to report to CGMS-51 plenary for decision/endorsement |

To be considered by CGMS:

- CGMS members are invited to consider and comment on the proposal by the CGMS Secretariat on the future of CGMS.
- CGMS members are then invited to endorse the principle on the way forward, and on the activities to be performed by the proposed task group.
- If supported, CGMS members are invited to nominate participants in the Task Team – following membership proposed in the presentation