Outline

- Updated Terms of Reference

- Risk Assessment
  - Background
  - Approach
  - Results
  - Mitigation Actions

- Outcomes and Recommendations Resulting from WG-III Discussions

Outcomes and Recommendations of WG-III

- WMO provided an update on the development of the Vision for WIGOS in 2040, the planned response to the Vision once its approved by Congress, and the WMO Gap Analysis

- WMO provided a status update on OSCAR/Space as well as its consideration of various options regarding sustainability and future evolution, both in terms of information content and the capabilities of the system. WMO also provided an illustration of how the system may be used to assist CGMS in its risk assessment

- ISRO provided plans on continuity of its operational missions; specifically plans for OCEANSAT-3 and -3A, TRISHNA, GISAT and NISAR and plans were in development for a follow-on to OCEANSAT-3A

- ISRO and CMA both reported on the process of requesting rapid scan operations to support user requests and emergency managers

- IMD provided an update on use of ground-based GNSS network for integrated precipitation of water vapour estimation and its validation

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Outcomes and Recommendations of WG-III

- ROSCOSMOS provided an overview of a constellation of satellites to address hydro-meteorological and geophysical parameters; the constellation employed satellites in halo (L1/L5), geostationary, highly elliptical (Molniya, Tundra), and low-Earth orbits

- ROSHYDROMET updated WG-III on instruments and equipment to make helio-physical measurements

- JAXA provided an update on GCOM-W and that it had achieved its design life and had fuel to maintain its orbit for more than 15 years; JAXA also provided an update on a follow-on mission (GOSAT-3) that provides continuity for micro-wave imaging. GOSAT-3 is expected to complete a SDR by the fall of 2019

- KARI noted the status of GEOKOMPSAT-2B which provides both an ocean monitoring (e.g., ocean colour) and environmental monitoring (e.g., aerosols, ozone) mission

- WG-III noted the SETT's progress on conducting a pilot socio-economic benefit study focusing on the Arctic

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Recommended Actions

- WG-III to update the CGMS Baseline and conduct the annual Risk Assessment for submission to CGMS-48
- WMO to conduct a Gap Analysis against the approved WIGOS Vision 2040 and to explore the possibility of coordinating this with the impact assessment planned by the CGMS Science Working Group reporting to WG-II
- WMO to hold a workshop on OSCAR/Space in order to develop plans for its sustainment and future development, both in terms of information content and system capability
- EUMETSAT to conduct a study on GEO Imager coverage, data quality, availability and resilience in the IODC region
- ISRO to provide CGMS-48 an update on its plans for a follow-on mission to OCEANSAT-3A
- ISRO to confirm data latency for the Aditya-L1 mission

Recommended Actions

- IROWG to review the CGMS Baseline and validate wording that captures CGMS Member contribution to RO data in terms of coverage, number, quality and sampling; and share impact studies of RO data between the CGMS Baseline and WIGOS 2040 vision observing targets.
- CGMS to write to SOA stating the importance of HY-2B MWI and ALT data.
- GSICS to continue cross calibration progress of microwave imagers
- SWCG to provide rationale and need for operational magnetometer observations in LEO and propose updates to CGMS Baseline as appropriate
- NASA and JAXA to confirm future plans for precipitation measurement mission(s)