

Report of the ad hoc meeting on Space Weather

Participants

Chair: Suzanne Hilding (NOAA)

Rapporteur: Jérôme Lafeuille (WMO)

CMA

CNSA

ESA

EUMETSAT

ISRO

JMA

KARI

KMA

NASA

NICT

NOAA

ROSCOSMOS

WMO

GCOS

IROWG

CGMS Secretariat

HLPP 5.1: Cross-cutting issues and challenges

- o *Establish a coordinated approach to the monitoring of space weather and the reporting of space weather-related spacecraft anomalies*
- o *Assess how CGMS is organized to address space weather matters*
- Reports by NOAA , CMA, NASA, KMA on their space weather activities including observation (space/ground), modeling, forecasting methodology, products and services, user outreach
- WMO/ICTSW calling upon coordination by CGMS of space weather observation on met satellites, and contribute to overall observation strategy

Discussion: A few guiding principles (1)

- Space weather activities should be driven by user requirements and needs for products and services
- Needs clear identification of the user basis (survey to participating countries, or results of existing surveys)
- Scope for synergy between space weather services and meteorological services to certain users (e.g. aviation, telecommunications, energy, disasters)
- Need to communicate the socio-economic benefits of space weather prediction with policy makers, public, non technical community

Discussion: A few guiding principles (2)

- Historical role to report on spacecraft anomalies and to host space weather payload
- CGMS can assist in global coordination of satellite aspects
- Should keep focus on operational needs - how to support provision of products and services
- Scope for integration of observing capabilities across space weather communities
- Baseline and integrate current suite of observations to better sustain future observing capabilities
- CGMS should recognize other international partners with complementary roles (e.g. COSPAR for scientific aspects)

Action : Set up a team to develop CGMS/Space Weather ToR

- CGMS Members to nominate a team to develop the TOR for CGMS space weather activities, taking into account the guiding principles discussed in the ad-hoc session, for consideration by CGMS-42
- Volunteers to serve on this team:
CMA, NOAA, WMO
JMA, KMA (to be confirmed)

Action (short term) : Collecting spacecraft anomaly information

- CGMS Members to nominate points of contact to work with WMO/ICTSW in order to define jointly a procedure to improve the collection, availability, and use of satellite anomaly information