

Development of a WMO Position on Critical Satellite Data

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

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WMO OMM

World Meteorological Organization

Organisation météorologique mondiale

Critical Satellite Data

Position Paper

- The prospect of private-sector operators of basic satellite systems has triggered attention to the issue of data access and availability for global WMO applications
- WMO is developing a position on what types of satellite data users consider critical for applications, and which principles should apply to these data
(lead: WMO Inter-Programme Expert Team on Satellite Utilization and Products (IPET-SUP) chaired by S. English, ECMWF)
- Purposes of the paper:
 1. Guide governments / NMHS on the terms under which to receive / purchase satellite data from private operators
 2. Guide data providers on the principles to apply to satellite data critical for WMO Applications



Critical Satellite Data Position Paper

- Definition of “critical satellite data” for the purpose of the paper:

Any satellite data that is required to underpin the 14 WMO Application Areas [Ref] where a critical demand in terms of timeliness, spatial and temporal resolution to fulfil these objectives exists.

Ref: <http://www.wmo.int/pages/prog/www/OSY/GOS-RRR.html>

Critical Satellite Data Position Paper

- Seven principles have been drafted that providers of satellite data should fulfil to meet the critical data needs of the meteorological community

Principles that should apply to critical satellite data from the users' perspective

- **Principle 1:** Free and unrestricted international exchange of critical satellite data in near real-time within the WMO community
- **Principle 2:** Transparency in instrument characteristics and processing steps
- **Principle 3:** Documented algorithms and validation information available
- **Principle 4:** Information on data latency, data format, and processing tools available
- **Principle 5:** Timely provision of preliminary data to users (prior to full operation of new systems)
- **Principle 6:** Demonstrated utility of data in applications (“impact”)
- **Principle 7:** Free and unrestricted access to archived data

Critical Satellite Data Position Paper

- This is work in progress
- This complements efforts to formulate a WMO-wide position on public-private sector engagement (WMO-WP-07)

Thank you Merci



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