

WMO data policy update

Why is this needed?

-  Explosive growth in societal demand for data, products and services within all WMO activity area; international data exchange more important than ever;
-  WMO is adopting a unified approach to Earth system monitoring and prediction, which will require integration of data from all disciplines (weather, climate, hydrology, atmospheric composition, etc.) into a common framework;
-  Increasing diversity of data providers under the WMO umbrella; private sector, research/academia, government agencies beyond NMHSs, space agencies, etc.; WMO's data policy must reflect and adapt to this;
-  Advances in modeling, observing systems (e.g. satellite data, remote sensing) and telecommunications, and increased dependence on them by Members, since the adoption of Resolution 40.



Structure of data policy resolution

Preamble ("Noting ..., Considering ...");

Action section ("Congress decides to ...")

Policy statement (see overleaf);

Practice to be adopted;

Requests to Technical Commissions, Regional Associations, Secretary General,....

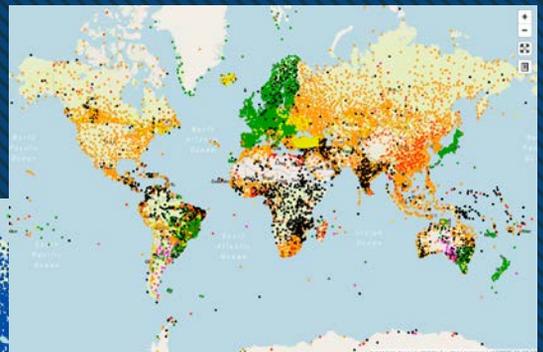
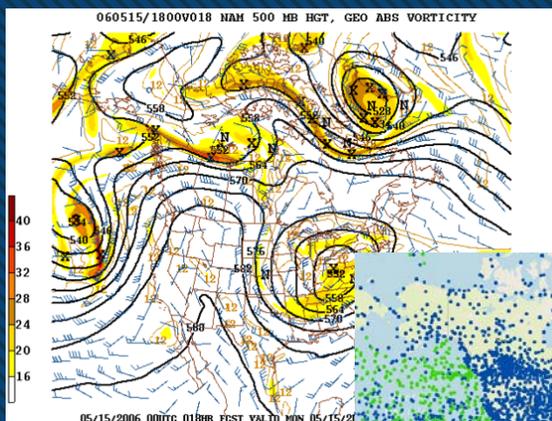
Annexes

"Essential" and "additional" data;

Engagement with research community;

Public-private engagement;

Terms and definitions.



DRAFT 1.0 of WMO Data Policy Statement

In preparation for the 2021 Extraordinary World Meteorological Congress



“THE CONGRESS,

Agrees to have one unified data policy for all WMO domains and disciplines;

Decides that the scope of the data policy shall cover Earth-system data exchanged among Members under the auspices of the WMO Convention and decisions of the Congress, as defined in Annex 1 and Annex 4 of this resolution;

Adopts the following policy on the international exchange of Earth-system data:

As a fundamental principle of the World Meteorological Organization (WMO) and in consonance with the expanding requirements for its scientific and technical expertise, WMO commits itself to broadening and enhancing the free and unrestricted¹ international exchange of Earth-system data;

Agrees further to maintain a two-tiered approach to the international exchange of Earth-System data, via the following practice²:

- 1) Members shall provide on a free and unrestricted basis **essential** data which are necessary for the provision of services in support of the protection of life and property and for the well-being of all nations, particularly those data, as, at a minimum, described in Annex 1 to this resolution, required to monitor and predict seamlessly and accurately weather, climate, water and related environmental conditions,
- 2) Members should also provide the **additional** data which are required to support WMO-coordinated activities at the global, regional and national levels and further, as agreed, to assist other Members in the provision of weather, climate, water and related environmental services in their States and Territories. Conditions may be placed on the use of additional data;

Agrees also that Members should provide without charge to public research and education communities, for their non-commercial activities, access to all additional data exchanged under the auspices of WMO.”



List of Annexes:

1. Essential and Additional Data for Weather, Climate, Hydrology, Atmospheric Composition, Cryosphere, Oceans, Space Weather;
2. Guidelines on the Application of Data Policy in Research
3. Guidelines on Application of Data Policy in Public-Private Engagement
4. Terms and Definitions

¹ “Free and unrestricted” means non-discriminatory and without charge, and with no conditions on use. “Without charge”, in the context of this resolution, means at no more than the cost of reproduction and delivery, without charge for the data themselves. “Non-discriminatory”, in the context of this resolution, means that the data are available for anyone to use, reuse and share for any purpose.

² Earth-system data required to fulfil Members’ commitments under the WMO Convention and WMO strategic objectives shall be encompassed by the combination of essential and additional data exchanged by Members and relevant international organizations.