



WMO



WMO DATA CONFERENCE

EXCHANGE OF EARTH SYSTEM DATA
IN THE 21ST CENTURY

#WMOData

16 - 19 NOVEMBER 2020
VIRTUAL CONFERENCE

On-line Workshop Theme 1: Changing Landscape of Weather and Climate Data

Towards a revised WMO Data Policy

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Issues and Policies)*



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World Meteorological Organization
Organisation météorologique mondiale

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

Ground zero:

Developing a revised WMO data policy

- Diversity and extent of data challenges facing WMO Members
- Data ‘revolution’, but it’s more than just about the data
- Respect success and legacy of existing data policies, reflect on limitations
- Build on ‘what works’, fill gaps, modernise, make ‘future-fit’
- Differing perspectives, experiences in applying data policies
- Wide engagement and consultation

Data Challenges – there are a few

Social media Localised services Meeting basic obligations Sensor webs
Digital delivery on demand User capabilities increasing More data, more often
Personalised services User expectations increasing Commercial data Communications costs
Environmental change
More extreme weather
More agile competitors
Single authoritative voice
Build or buy Populations at risk
Quality monitoring Discoverability Automation Building partnerships
Infrastructure at risk Keeping up with technology change Internet of Things
Verification Sourcing/Retaining skilled staff Data/metadata management
Interoperability with user data Business continuity Compliance with regulations
Performance monitoring Licence conditions Revenue potential Sustainability
Research vs operational data More diverse data platforms
Enabling new science Emerging compute technologies Data ownership and rights



Proposed approach to a revised WMO data policy

- Overarching approach
 - Single policy
 - Full earth systems coverage
 - Res 40 ‘strawman’
 - Modernising context
 - Consistent, unambiguous language and definitions
 - Implementation and monitoring
 - Regular review and update process, fit-for-purpose and fit-for-time

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- working title ‘Res 42’



Proposed structure of Res 42

- Structure
 - Policy, practice and guidelines
 - Res 42 plus Annexes (currently 4)
 - Annex 1 – Practice for relevant domains/disciplines
 - Annex 2 – Public-Private engagement
 - Annex 3 – Research
 - Annex 4 – Definitions
 - Linked to regulatory material
 - Essential, additional data categories
 - Pathway for emerging data types



Some issues (so far ...)

- Providing clarity about who the policy applies to:
 - Clearly, to WMO Members, but what message, obligation, encouragement and/or enticement is conveyed to stakeholders beyond NMHSs
- Reflecting the changing mix/dynamic of the global community and the changing landscape of wcw&e data
 - In the policy and the practices of data exchange
- Influencing national (and other) data policies to support efficient and effective implementation of the WMO data policy
 - Cannot be prescriptive at national level, but how to best encourage or incentivise



Thank you Merci



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