



WMO



WMO DATA CONFERENCE

EXCHANGE OF EARTH SYSTEM DATA
IN THE 21ST CENTURY

#WMOData

16 - 19 NOVEMBER 2020
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Key messages-Stakeholder Consultation 3: Satellite Data and WMO Data Policy

- Ratier: WMO “Vision for WIGOS in 2040” is the overarching document; Robustness is key and evolution needs to be considered
- Paese: Agile model, while maintaining highest standard for reliability and availability and continued commitment to open access to data; one issue to is define/clarify which data are subject to “free and open” policy for data access; not just meteorology, but whole Earth system;
- Rea/Holmlund: WMO Convention, Res 40; digital revolution and impact on satellite sector; broad access to critical satellite will need to be preserved; outline WMO process to include this in Manual on WIGOS;



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St Germain (NASA/CEOS):

- ***“Space-based Earth Observation Data for Open Science and Decision Support”***.
- Acceleration of use of data
- Open science initiative, open access to data
- Commercial smallsat data pilot program; initial EULA’s very restrictive (NASA-only access to data); propose to change this for upcoming procurements/RFIs; tiered approach for data licensing

(Zhang) CMA:

- Continue to implement the open sharing data policy,
- Precise Data Classification and User Segmentation:
- Move user’s application to data by using cloud technology.
- Open access for WMO Members (“NMSs”) to all level 1, 2 and 3 data (level 0 is for internal use only); other can gain access via bilateral agreements w/CMA
- Encourage private sectors to develop space-based observation to fill the spatial, temporal and spectrum gaps, complementary with traditional observation.

(Ochiai)JAXA – free and open is at the core



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- Ochai (JAXA): Program overview, many different end user applications; free and open access;

Platzer (Spire Inc.); government shift from asset purchase to service purchase; problems to overcome relate to trust, difference of timelines;

- WMO 40 is not an issue: service companies prefer fewer, larger customers
- Innovative service models
- Challenges still exists: in terms of trust, contract vehicles, and culture



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- Satellite data are a critical part of the value chain from observation to understanding to delivering societal value
- Policy reform is an opportunity to rethink how we define critical data
- Need to draw on the capabilities of the public and private sectors
- Opening data can amplify its value
- Non-linear explosion in data volumes
- Open access and availability to shorten the time required for new user uptake
- A tiered approach to licensing could be a solution
- Non-commercial licences and other restrictions can be used to preserve the commercial value of data
- Bringing users to the data can have policy implications
- Future data policies need to support an earth systems approach
- Open data as an enabler for research and innovation