

Session 6: Break-out Group Discussions on CST development



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Climate Data Management Group

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Domain :

- Climate Data Management Systems (CDMS)
- Data Rescue (I-DARE)
- Data and Metadata
- Capacity Building including training

What is an appropriate set of criteria for data, products and tools integration into CST ?

- Institutional commitment from the provider to maintain and further develop the tool
- Each tool to be accompanied with sufficient documentation (user guide , tools description, etc.)
- Each tool to have a capacity development strategy in place
- Each tool to comply with a recommended data formats (**to be defined**) :
 - ✓WMO (TAC, TDCF, formal WMO data product)
 - ✓netCDF
 - ✓Spatial (raster, vector)
 - ✓Emerging (XML, JSON, CF-netCDF [Climat & Forecast], RDF)
 - ✓OPENDAP
- Each tool to comply with a recommended data exchange protocol (**to be defined**) :
 - ✓WMO (WIGOS Observation Metadata Standard, METCE : METeorological Community Exchange [**CBS**])
 - ✓OGC and ISO standards (WMS,WFS, WCS)
 - ❖**Note : using those protocols will allow to combine different data/products (integration, fusion, re-use)**
- Data to include a quality assessment including provenance information (**to be defined**)
 - ❖**Note : What about quality assessment of the tool/product?**
 - Transparency of the methods and algorithms in use**
- CDMS to comply with CDMS Specifications WMO – 1131
- Language, contact point, feedback mechanism, helpdesk, license, etc.
- ❖**Part of the metadata of the product/tool (to be defined)**
- CST Monitoring (score, number of view/download)



How can existing capabilities contribute to supporting the GFCS Priority areas ?

- Quality data provides the foundation for all climate services

How to enhance access to GFCS relevant data, products and tools at country level ?

- Communication strategy including awareness raising
- Make it discoverable as much as possible
- User engagement including using national & regional languages (+ *feedback*)
- Capacity building for user community
- Open and free access (WMO resolution)

What WMO guidance, technical documentation, and/or capacity building events are necessary for successful CST implementation ?

- Updated **consistent** set of WMO guidance around climate data which is easily discoverable and accessible
- Coordination and synchronization of capacity building activities
- Technical documentation to be provided
- Promote Resolution 60

What institutional support should be in place for sustainable CST operations ?

- Institutional Commitment from the provider to maintain and further develop the tool