WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

Climate Predictions, Projections, and Delivery Mechanisms

Break-out Group Discussions on CST development

WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

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

Tools :
- documented :
-good practices,
-menus
-training materials and programmes
-help desks
-feedback mechanisms,
-sustainability of the software (maintenance),
-friendly color palette,
-accessibility issue,
-multi language interface,
-software running on low quality machine,
-free software (freeware),
-easy-to-use, procedure to certify trainers and tools, benchmark,
-licensing arrangement (distributed by WMO, WMO entities, long-term permission)
-adapted according to the users
-ability to provide tailored outputs

Data and products
-quality control
-data format
-include all relevant climate drivers
-usability and accessibility of the products
-identify the appropriate target audience
-timeliness
-appropriate time and spatial scales (including daily data)
-access to hindcast
-selection of the most relevant datasets (multiple sources)
-specific delivery mechanism for projections
-associated metrics and evaluation tools

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

- Contribute to impact-based forecasts
- Support the decision support system
- Using NCOF to address priority areas at country level
- Difficulty to address this question
  - definition of the boundary between CSIS and UIP
  - different users can have different needs within the same sectors
  - need of clear specification of user requirements
- CSIS should be aware of the climate information needs for specific decision

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

- Awareness of the CST (communication, flyers, brochure, etc.)
- Give in-country training,
- Networking universities, RCCs and RCOFs
- Basic infrastructure (hardware, mandate of the institution)
- Training program built on a specific goal and using CST capacities
- CDMS is focused on observed data, but needs to add prediction and projections
- Data format
- Promote the uptake of data access in the CB activities

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

- Guidance on operational aspects at the country level
- Guidance on projections (WCRP, IPCC, TGCO)
- Guidance on skill assessment
- Guidance on uncertainty assessment and communication
- Capacity development stratified into core function of the CSIS (data services, monitoring, prediction and projection)
- Information on the models, uncertainty
- Specific workshop (tools should not be in the background but on the central role)

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

- Help desk
- Maintenance of tools development capacities
- WMO or GFCS accreditation to get resource access and higher visibility
- Encourage open source software
- Inventory of publications
- CORDEX engagement (March workshop)

CST Prototype

- Using a limited set of selected data and products (including daily value)
- Facilitation at the Lead Centre level to define action and domain in a sustainable way

- **Action plan**

-shortlist of products to be generated (leading shortlist of CST)

-packaging a version that can be given to the country without internet requirements, depending on country context

-CST portable

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