Global Framework for Climate Services

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May 2024



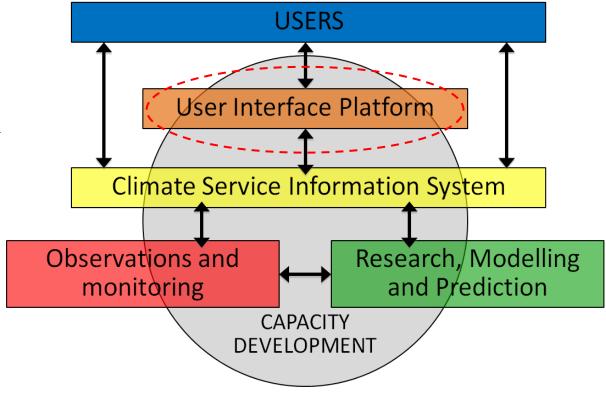
Global Framework for Climate Services (GFCS)

Vision: enable society to manage better the risks and opportunities arising from climate variability and change. Using science-based climate information

Launched in 2012

Priority areas:

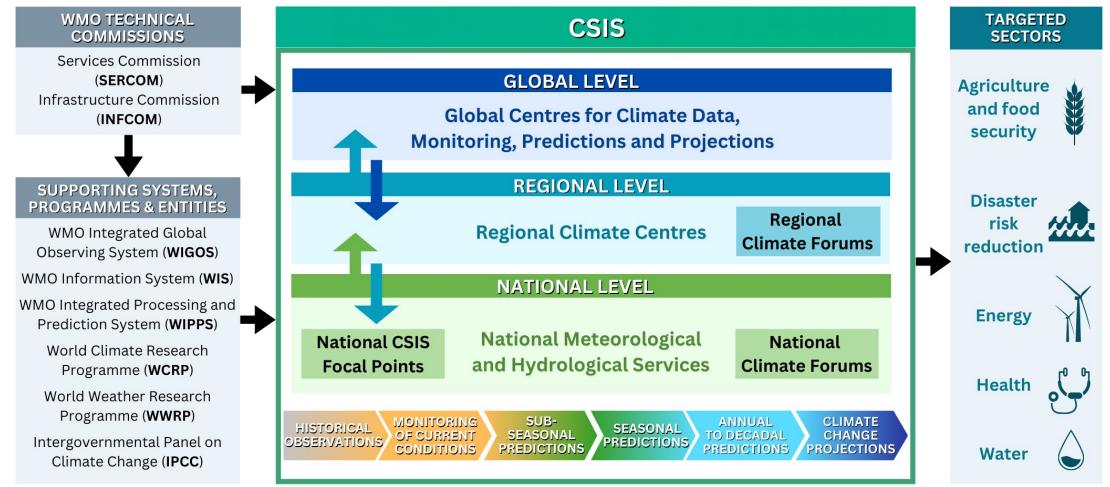
- Agriculture and food security
- Water resource management
- Health
- Disaster risk reduction
- Energy







Climate Services Information System (CSIS)





Refocussed GFCS



Vision: enable society to better manage the risks and opportunities arising from climate variability and change



Strengthen climate service capacity and capability, particularly in NMHSs

- Improve availability of, access to, and use of, climate information, providing scientific and technical support
- Establish National Frameworks for Climate Services, and National Climate Fora, and link to regional structures





Support climate policy and finance with authoritative scientific information

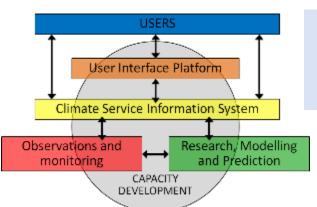
- Produce regular reports and advice to support adaptation and mitigation (such as Global and Regional State of Climate reports; State of Climate Services; ENSO Bulletins; Climate Updates. Build on IPCC knowledge)
- Provide tools and expertise to help incorporate climate science into actions and investments





- Assess and develop Climate Service capacities (basic ⇒ essential ⇒ full ⇒ advanced) and needs
- Produce guidance on standards and competencies (through WMO's SERCOM and INFCOM)





Develop the climate services value chain/cycle

- Scientific capability (including Obs., data, WCRP) ⇔ climate services information ⇔user engagement
- Generate value and enable actions



Improve visibility and effectiveness of GFCS, promote coordination

- Climate services are essential for society. Needs global-regional-national coordination
- Provide a forum for stakeholder communication, knowledge sharing, collaboration

Refocussed GFCS: focus for collaboration with WCRP?



Vision: enable society to better manage the risks and opportunities arising from climate variability and change

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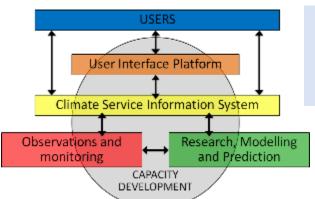




Develop Standards, Quality Management and Training

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Opportunities/requests to WCRP

- "Rapid science", e.g. can we mobilise the research community to rapidly answer key societal climate issues such as:
 - why was 2023 so warm in so many places
 - why is 2024 continuing to be so warm
 - Can we attribute recent extreme events to climate drivers ("rapid attribution")
 - etc.
- Can WCRP complement IPCC between Assessment Reports? Perhaps on key societal issues around sea level, cryosphere, etc.



Some challenges for climate services:

- Only worth delivering if it is to be used to influence an outcome
- Coordination and engagement Time-consuming, but beneficial



Requirements versus capability – Often a big gap

- The concept of "users" Who are they? What do they need?
- The role and importance of other disciplines e.g. social science



Capabilities and capacities – Providers and users







Thank you



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