WMO-ClimSA: Strengthening NMHS Capacities in the Caribbean

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Chris Hewitt, WMO Climate Services Director

ClimSA
INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME
An initiative of the Organisation of African, Caribbean and Pacific States funded by the European Union

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The Caribbean's Climate Vulnerabilities

Risks include:

- Hurricanes
- Sea-level rise
- Floods

Climate-sensitive sectors include tourism, agriculture, energy, fisheries

Need for Resilience to climate variability and climate change. Development and use of climate services is essential.

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ClimSA Project and WMO Support in the Caribbean

Objective: Support climate information services across the ACP regions.

Goal: Enhance climate information for improved decision-making at all levels through the implementation of the Global Framework for Climate Services (GFCS)

Focus Areas: Technical and financial assistance, capacity building, infrastructure.

WMO Contribution: Technical Assistance

WMO's Key Strategic Activities in the Caribbean under ClimSA

Engagement of experts for assessing the regional capacity to deliver on GFCS in the region

Engagement of experts for the development of guidelines to inform how to strengthen GFCS components in the region

Promote trainings and workshops to build capacity of implementation of such guidelines

Support GFCS strengthening and implementation in one focus country (Jamaica) in partnership with CIMH to build a regional expertise able to replicate the support in other countries of the Caribbean region.

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ClimSA's Role in Improvuing the Climate Services Value Chain

- **Observation and monitoring –** essential infrastructure for generating the necessary climate data.
- **Climate services information systems –** production and distribution system for climate data and information products addressing user needs.
- **Engagement between users and providers of climate services –** the production of climate servicers better responds to user needs
- **Capacity development –** systematic development of institutions, infrastructure and human resources needs for effective climate services.
- **National Frameworks for Climate Services –** multi-stakeholder platforms enabling the development and delivery of climate services at country level.

Challenges and Areas for Further Support

Sustained Funding:
Long-term resilience requires continued financial support

Technical Skill Gaps:
Need for ongoing training in new climate tools and technologies

Regional Coordination:
Opportunities to strengthen data-sharing protocols and cross-border collaboration.

Refocussed GFCS – 2023 onwards

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

1 Strengthen climate service capacity and capability, particularly in NMHSs

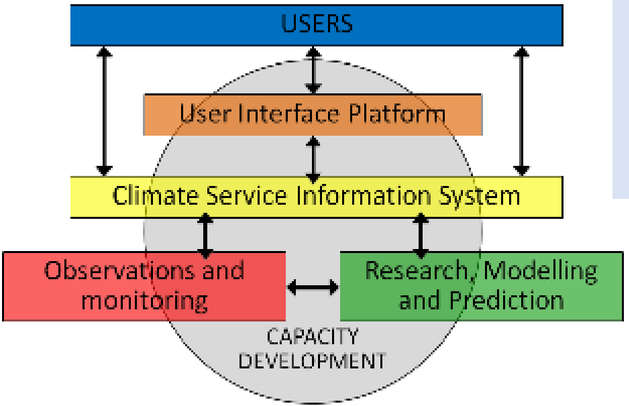
- Improve availability of, access to, and use of, climate information, providing scientific and technical support
- Establish National Frameworks for Climate Services, and National Climate Fora, and link to regional structures

2 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

3 Develop Standards, Quality Management and Training

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



4 Develop the climate services value chain/cycle

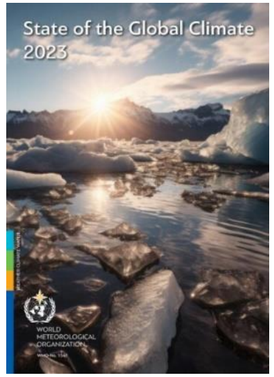
- Scientific capability (including Obs., data, WCRP) ⇔ climate services information ⇔user engagement
- Generate value and enable actions

5 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

WMO Climate Reports

Annual: Provisional for COP & Final



Decadal

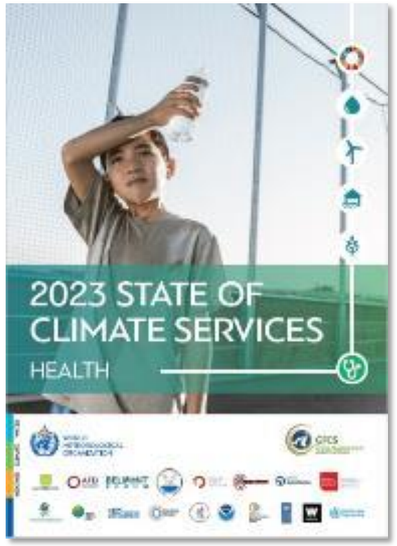
Global reports

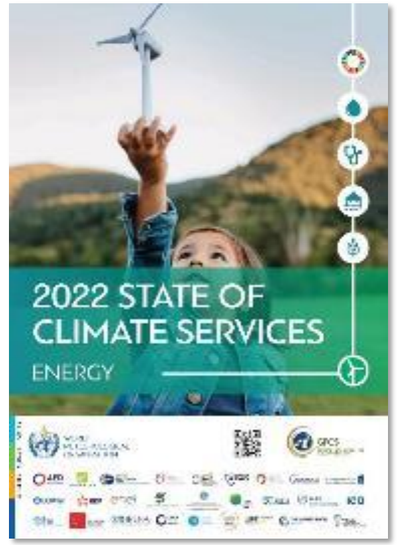
State of the Climate

Regional

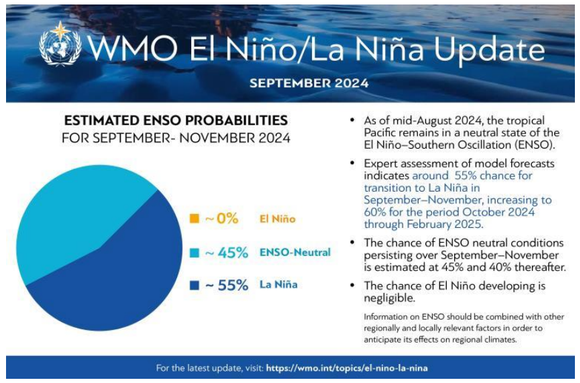
WMO OMM

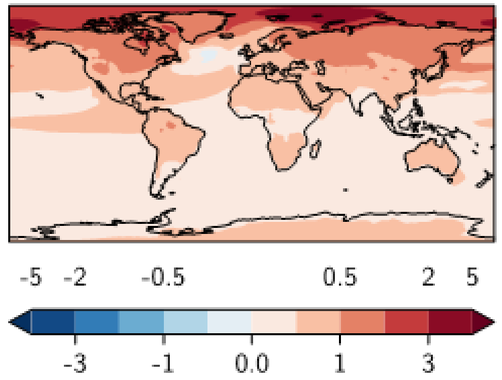
State of Climate Services





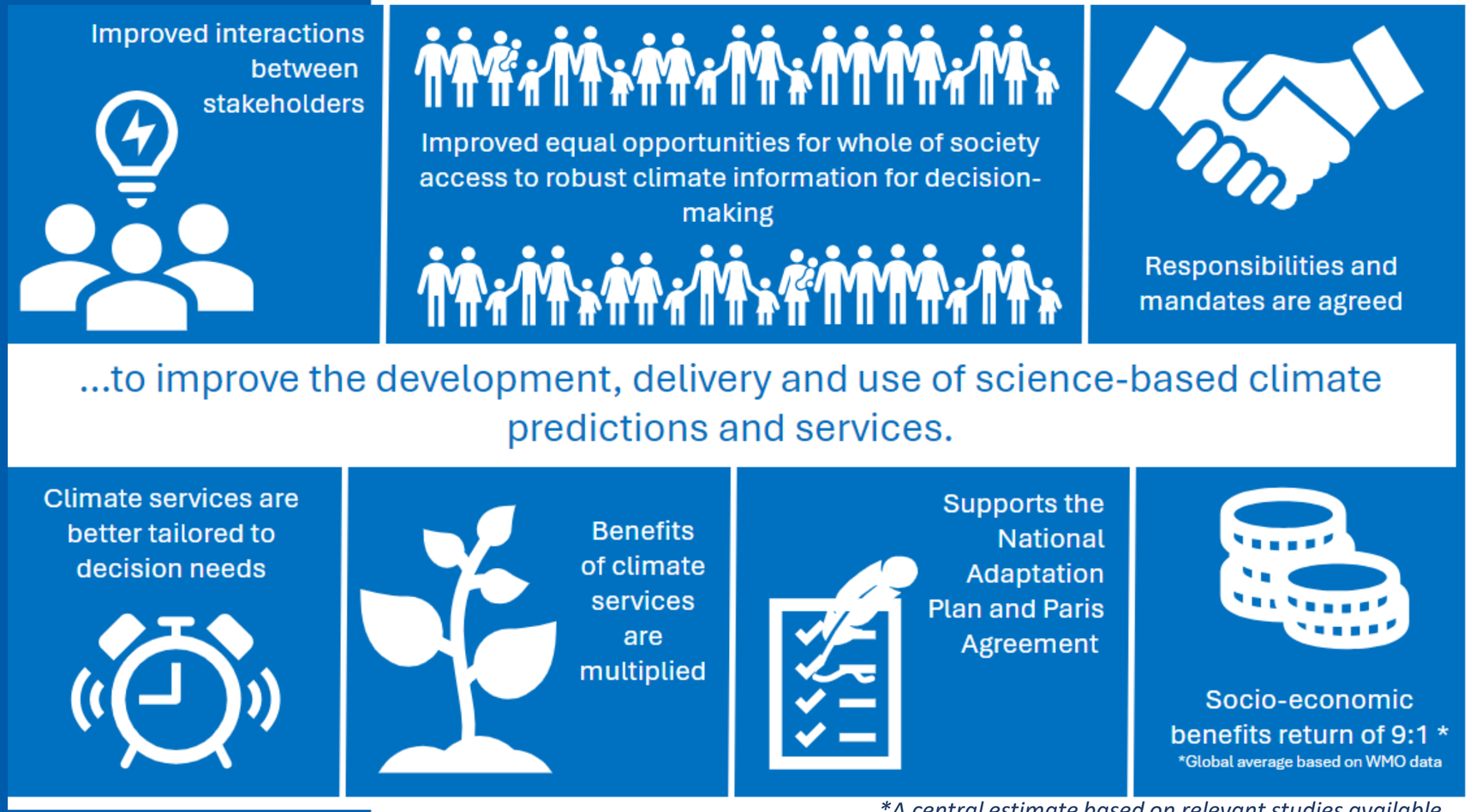
ENSO & Multiannual Updates





National Framework for Climate Services

Coordinate, facilitate and strengthen collaboration among national institutions to improve the development, delivery and use of climate services



*A central estimate based on relevant studies available

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Thank you

Climate Services Information System (CSIS)