



World Meteorological Organization

Working together in weather, climate and water

# THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES (GFCS)

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[http://www.wmo.int/pages/gfcs/gfcs\\_en.html](http://www.wmo.int/pages/gfcs/gfcs_en.html)



# History of the GFCS

- Third World Climate Conference (2009)
- Intergovernmental meeting (Jan 2010)
- High Level Task Force (2010)  
“Climate knowledge for action: A global framework for climate services – empowering the most vulnerable” (February 2011)
- WMO congress (May 2011)
- Creation of an Executive Council Task Team for GFCS (July 2011)
- Establishment of the GFCS office in the WMO Secretariat (June 2011)
- 1st ECTT GFCS meeting (October 2011)



## CLIMATE KNOWLEDGE FOR ACTION:

A GLOBAL FRAMEWORK  
FOR CLIMATE SERVICES—  
EMPOWERING  
THE MOST VULNERABLE





# Concern...



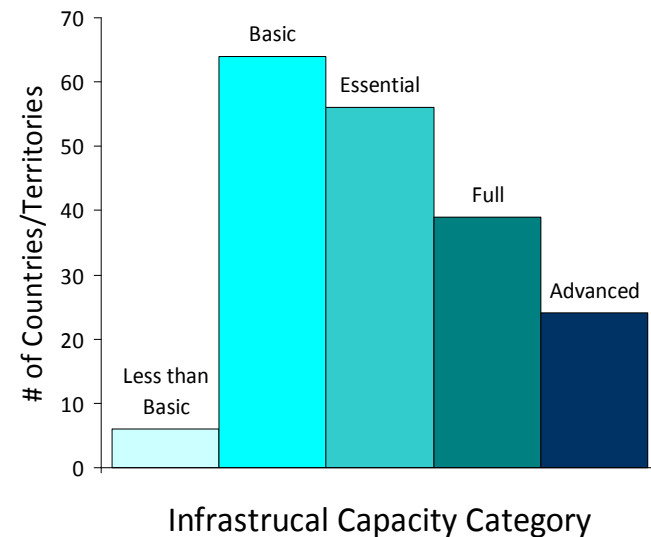
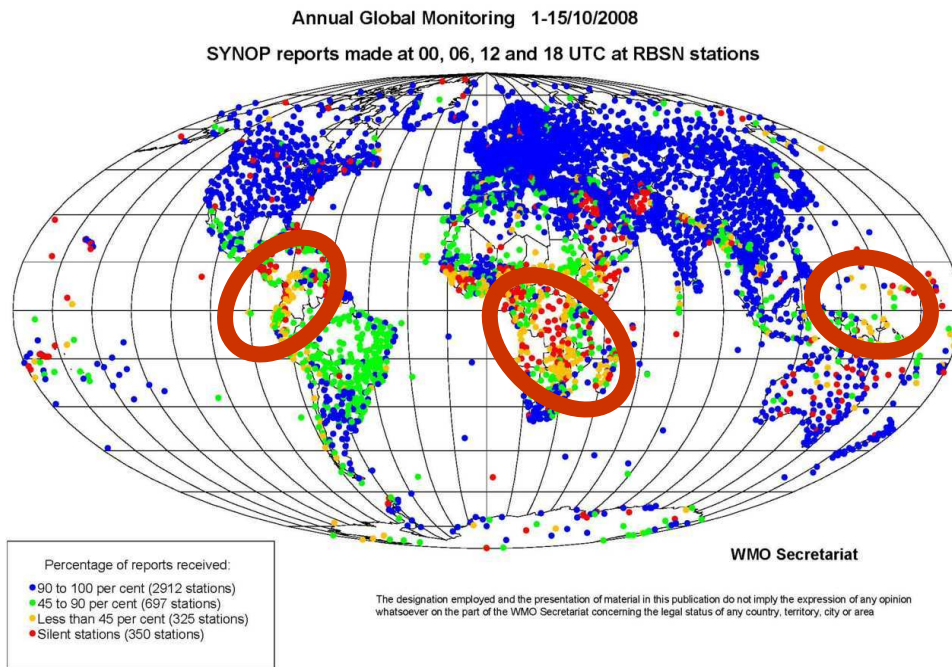




# Concern...

- Many countries lack the infrastructural, technical, human and institutional capacities to provide high-

*Infrastructural Capacities of Countries as of Aug 2010 to provide Basic, Essential, Full and Advanced Climate Services.*

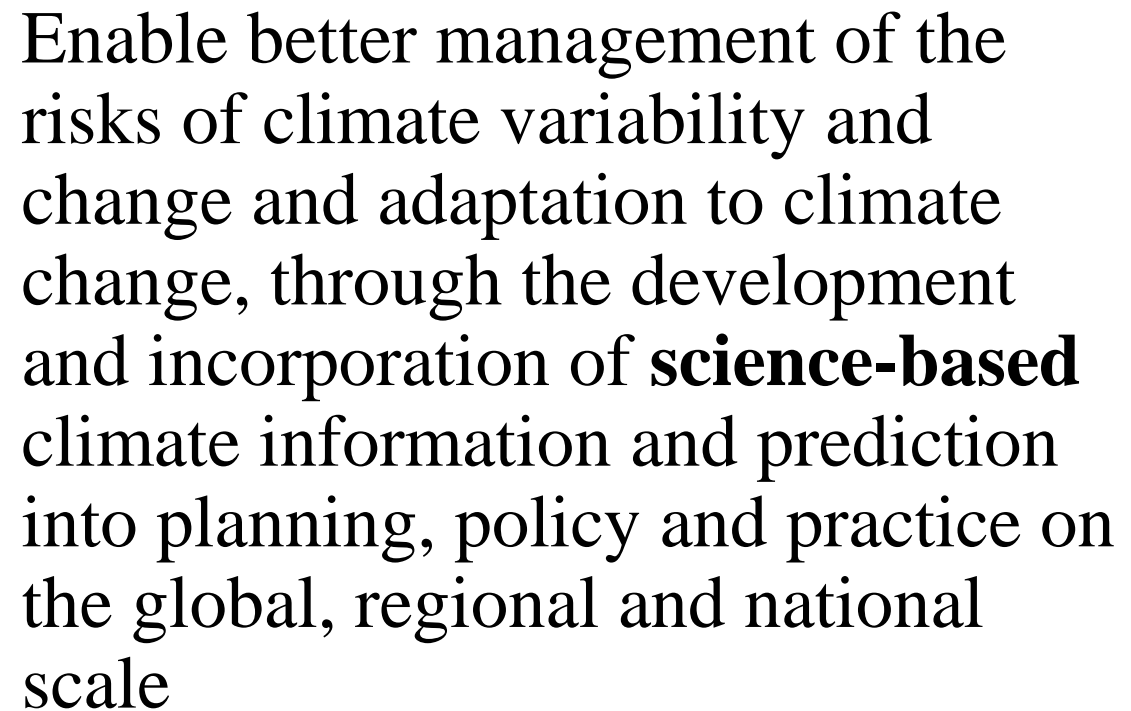




# Concern...

- Climate services do not get to the “**last mile**” to those who need them the most.







# The principles of the GFCS

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- 1 - Priority shall go to **building the capacity** of climate-vulnerable developing countries
  - 2 - Ensure **greater availability of, access to, and use** of climate services for all countries
  - 3 - **Three geographic domains**; global, regional and national
  - 4 - **Operational climate services** will be the core element of the Framework
  - 5 - Climate information is primarily an international **public good provided** by governments, which will have a central role in its management through the Framework
  - 6 - Promote **free and open exchange of climate-relevant observational data** while respecting national and international data policies
  - 7 - The role of the Framework will be to **facilitate and strengthen**, not to duplicate
  - 8 - **Built on user needs** through user – provider partnerships that include all stakeholders
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# The GFCS short term priority areas

Agriculture



Water



Health



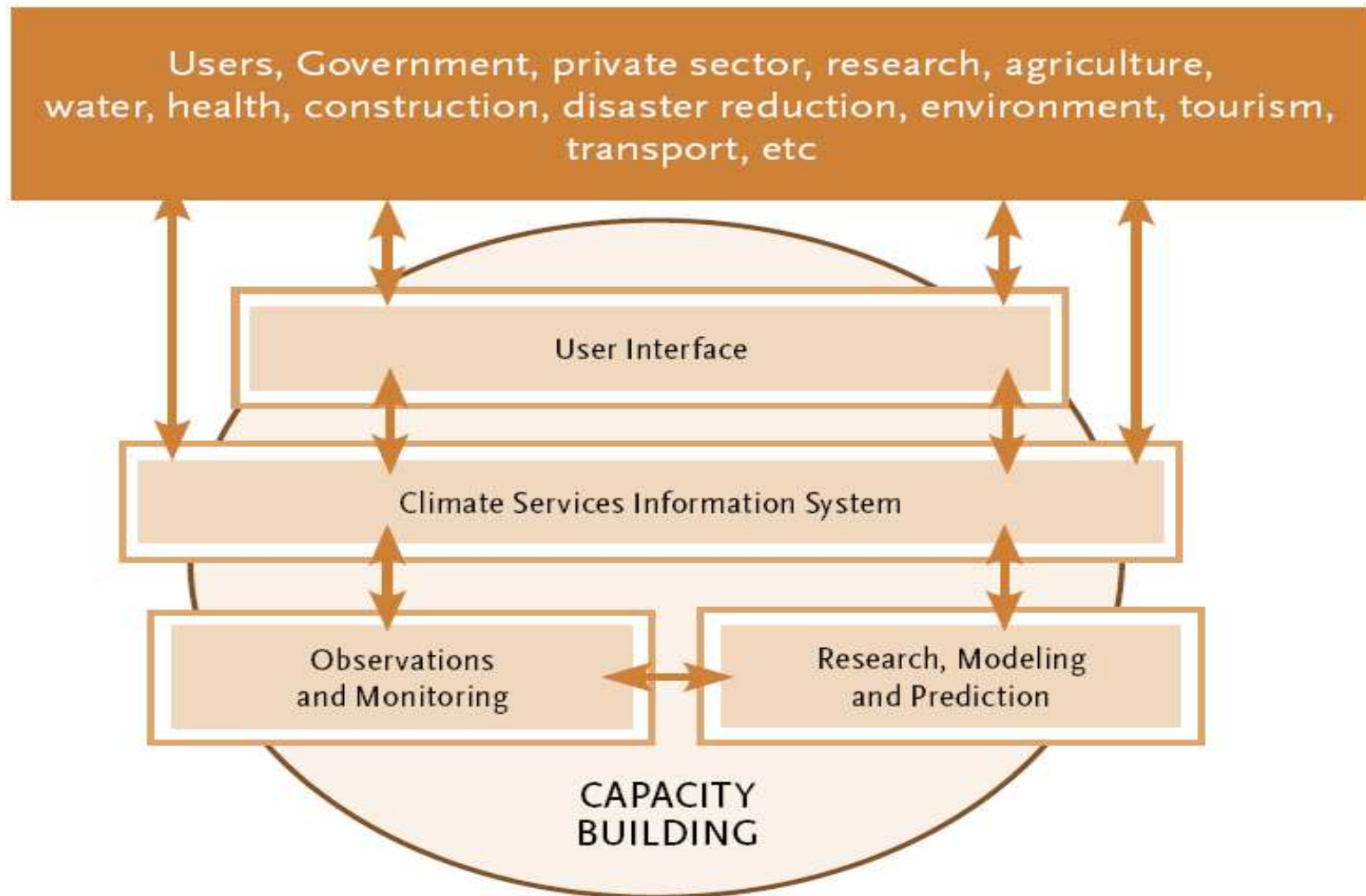
Disaster Risk  
Reduction







# The pillars of the GFCS





# Domains of operation of GFCS

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## Global Level (GPC)

- Produce global climate prediction products
- Coordinate and support data exchange, major capacity building initiatives
- Establish and maintain standards and protocols





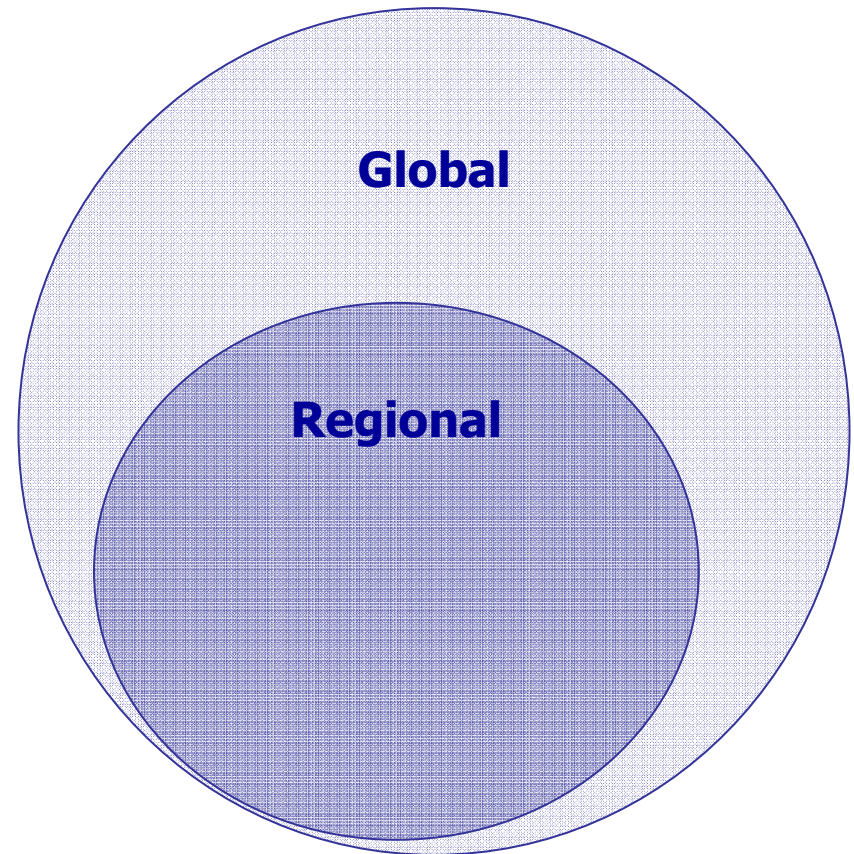
# Domains of operation of GFCS

## Regional Level (RCC)

- Support multilateral efforts to address regional needs
  - Regional policy, data exchange, infrastructure dev, research, training at service provision

e.g., RCOF

- Focused on providers
- Need more linkages with research



Critical for capacity building requiring resources beyond a single nation

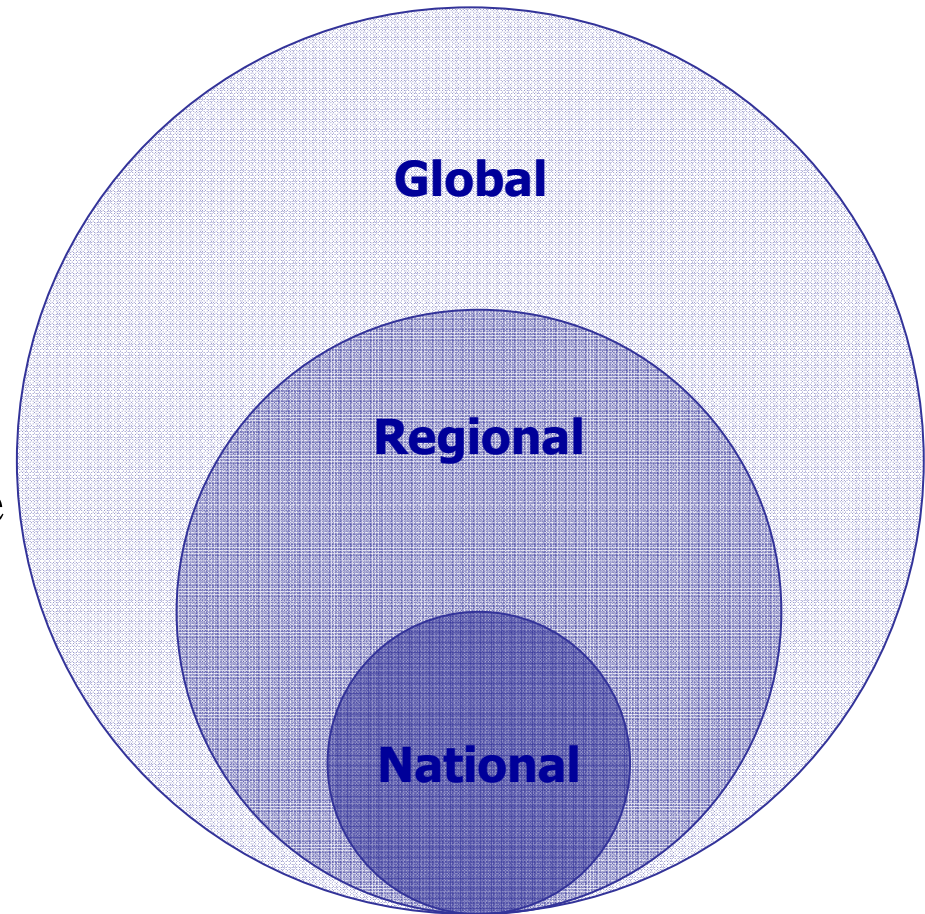




# Domains of operation of GFCS

## National Level (NFCS)

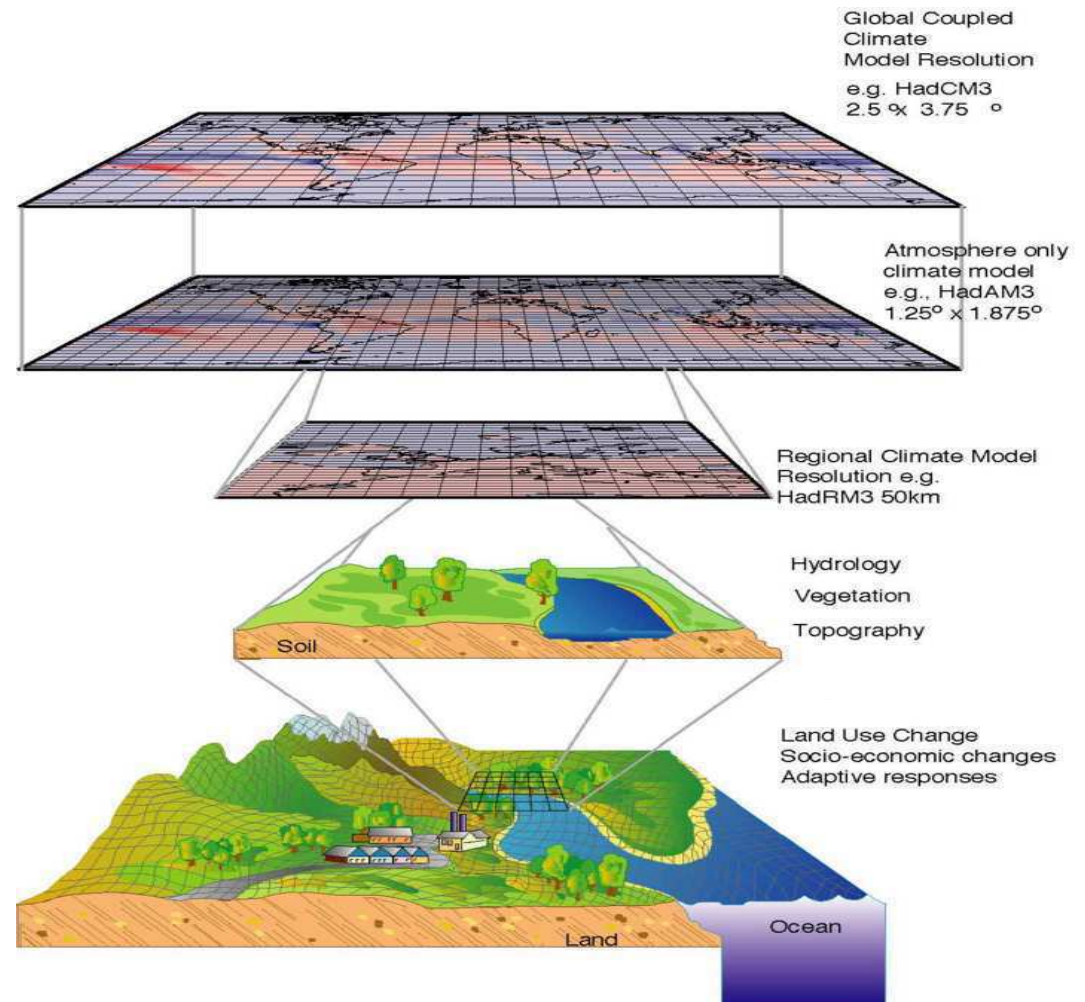
- Ensure access to data and knowledge products
- Tailor information to user requirements
- Ensure effective routine use of information
- Develop sustainable capacities





# Benefits

**User focused climate products and services in all countries particularly those most vulnerable and least able to apply them**





# Benefits

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- **Better water resources management**
    - as inputs to hydrological characterisation (e.g. precipitation, evaporation, etc)
    - in planning, design, development and operation of water supplies
    - in flood and floodplain management and control
    - design and operation of irrigation and drainage systems;
    - for studies associated with power generation, fisheries an conservation, navigation and recreation.
  - **Improved disaster risk management**
    - Planning and emergency preparedness and response to extreme events
    - Sitting of critical infrastructure such as hospitals, schools, etc
  - **Improved support to planning and operations in the health sector**
    - Risk Assessment/health system risk management
    - Epidemiological Surveillance & environmental Monitoring
    - Health Services (heat health warning systems, malaria waning system, etc...)
  - **Improved agricultural planning and management**
    - Better drought and flood management
    - Improved food security
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# Measuring success

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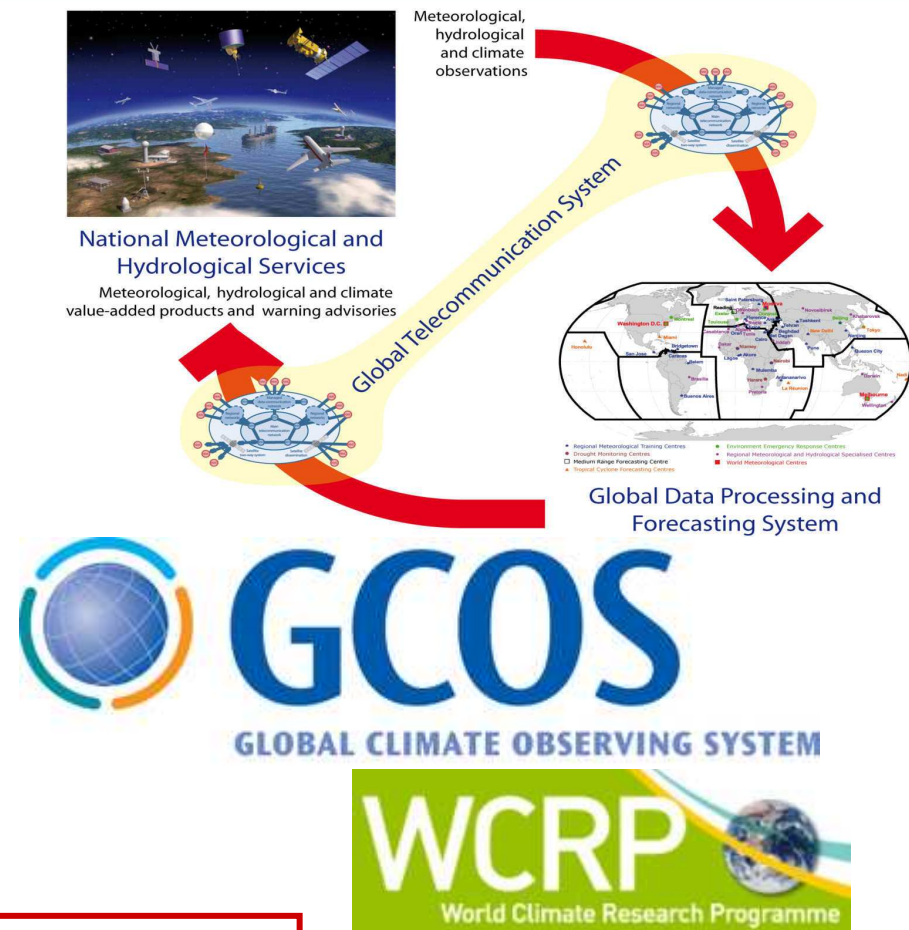
The GFSC successful when:

- Climate information services are used as regular inputs to decisions in sensitive sector, e.g. water resources management, agriculture, health, disaster risk reduction, energy, tourism, etc.
  - The applications of climate information services results in greater efficiencies and effectiveness in various sectors and in the sustainable use of resources.
  - Improved access to accurate and reliable climate information results in appropriate and robust design and construction codes to withstand climate extremes (climate resilient development).
  - The application of climate services results in saving lives and reducing economic loss caused by natural hazards
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# GFCS as an opportunity for working together

- GFCS is a global collective effort being built in collaboration with UN family, partners and stakeholders
- To go from observations, research, products development to service delivery various actors are required
- WMO with its Members, bodies and co-sponsored programmes will provide only a component needed to build the framework



Partnerships are key for success of GFCS





# Development of the Implementation Plan and Governance Structure

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1. Implement a consultation strategy that engages early on Members, UN agencies, partners and other stakeholders
  - Inform and obtain inputs for the dev of Draft Implementation Plan (DIP) from users and stakeholders
  - Identify experts and specialists for the writing of the IP
  - Encourage an active engagement of the invited participants and their Nations or agencies in the future actual implementation of the GFCS
2. Implement a communication strategy in order to keep all stakeholders informed of the developments
3. Ensure an inclusive and ample review process for drafting the implementation plan and governance of GFCS







# Consultation meetings

- User Interface Platform
  - Agricultural, Food Security and Water sectors (September 2011, Rome)
  - Disaster Risk Reduction and Health Stakeholders (November 2011)
- Climate Services Information System — (April 2011)
- Observations and Monitoring
  - 1st meeting for WMO and WMO cosponsored programs (August 2011)
  - 2nd meeting addressing the user communities (in agriculture, Water, health, DRR) (December 2011)
- Capacity Dev — Requirements of NMHSs for the GFCS (October 2011)





# Development of the Implementation Plan and Governance Structure

- Aug to Dec 2011: Consultations under pillars and priority areas of GFCS
- August to date: Briefing sessions and side events
- End of January 2011: Zero Order draft of the Implementation Plan and Governance mechanism of the GFCS
- 28 Feb – 1 March: 2<sup>nd</sup> Meeting of ECTT-GFCS
- 8 – 19 March 2012: Review of drafts by experts and ECTT members
- 13 April 2012: 1st Draft of the Implementation Plan and the governance mechanism
- Mid-May to 25 June: Pre-EC review of documents
- 25 June – 3 July: Consideration of the 1st Draft in the LXIVth session of the Executive Council
- 1<sup>st</sup> ½ July: Post-EC review of documents of 1st Draft documents
- 6 August: 2nd Draft the Implementation Plan and the governance mechanism
- 21-23 August 2012 : 3rd meeting of the ECTT-GFCS
- End of August: Final document of the implementation plan and the governance mechanism
- 17 September 2012: Translated documents on the web
- 29 – 31 October 2012: Extraordinary Congress



# Thank you

## Global Framework for Climate Services (GFCS) Office



Global Framework for Climate Services

### **For more information contact:**

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Or join the talk:

<https://groups.google.com/a/wmo.int/group/gfcs?hl=en>