



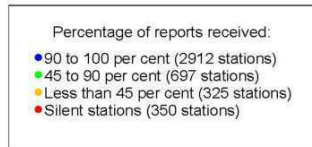
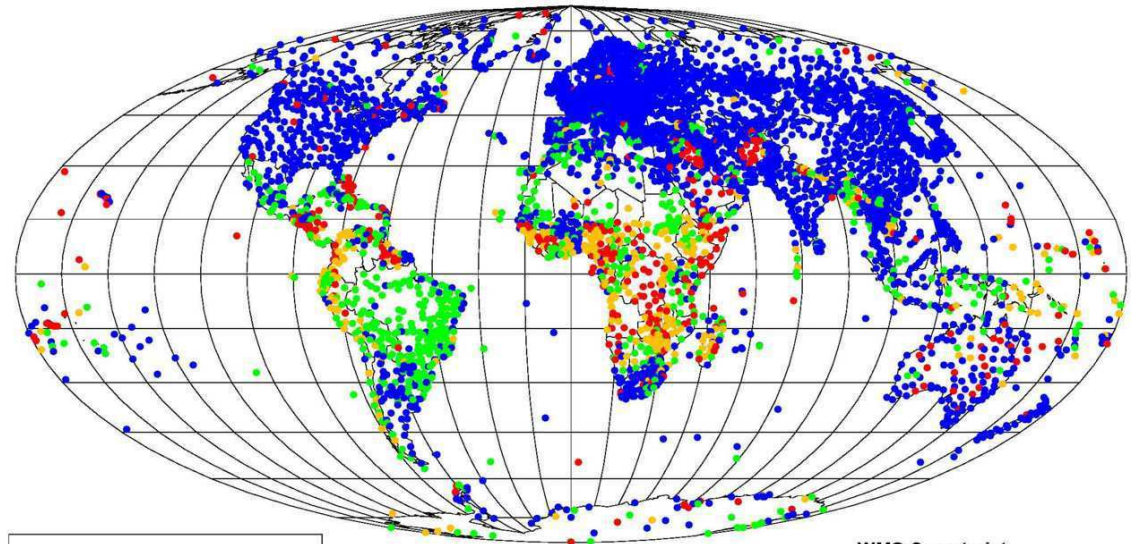
Observations, Adaptation, and the Global Framework for Climate Services

Observe to adapt

- > 1000 GCOS surface stations record long-term meteorological variables
- > 9000 rainfall stations used to provide homogenized gridded historic rainfall measurements
- > 200 hydrological stations document surface water availability

Annual Global Monitoring 1-15/10/2008

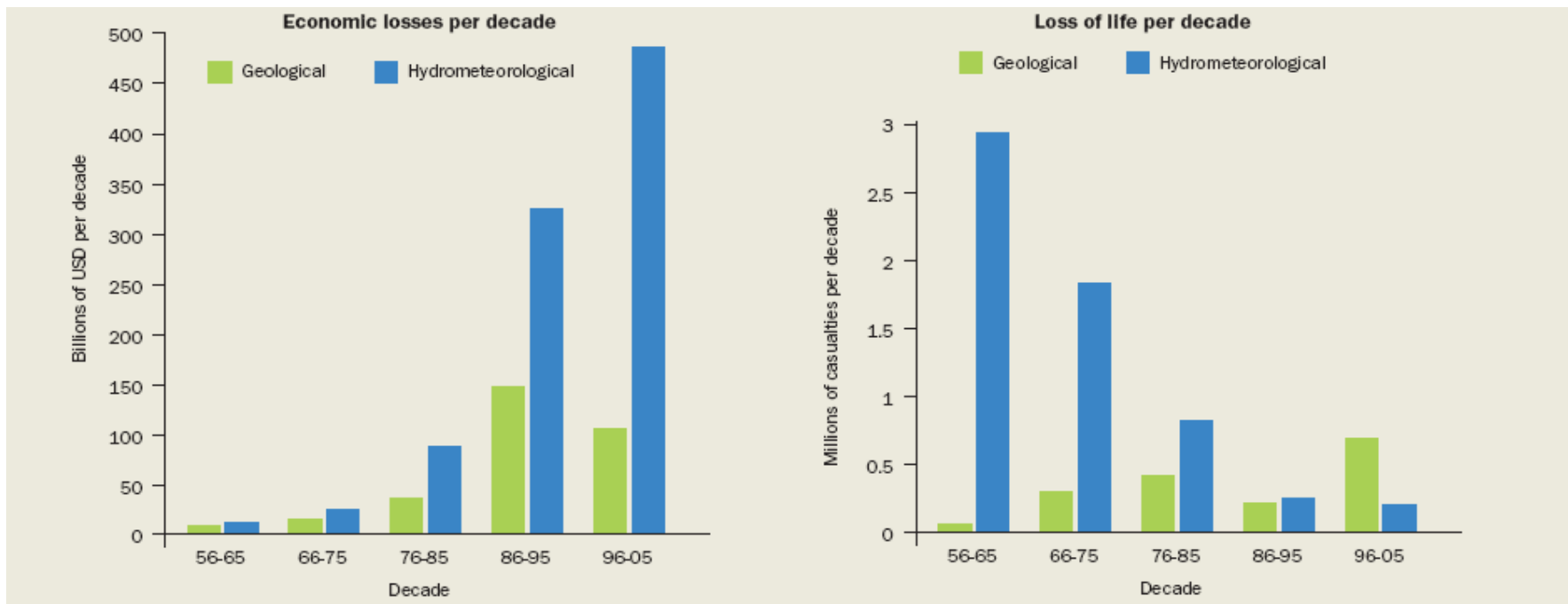
SYNOP reports made at 00, 06, 12 and 18 UTC at RBSN stations



WMO Secretariat

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Prepare to adapt

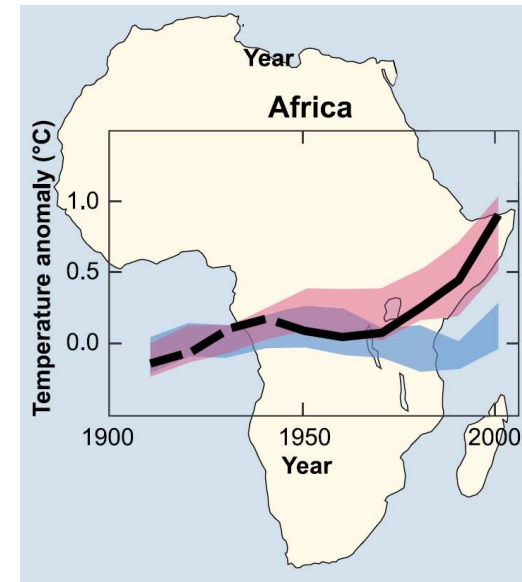
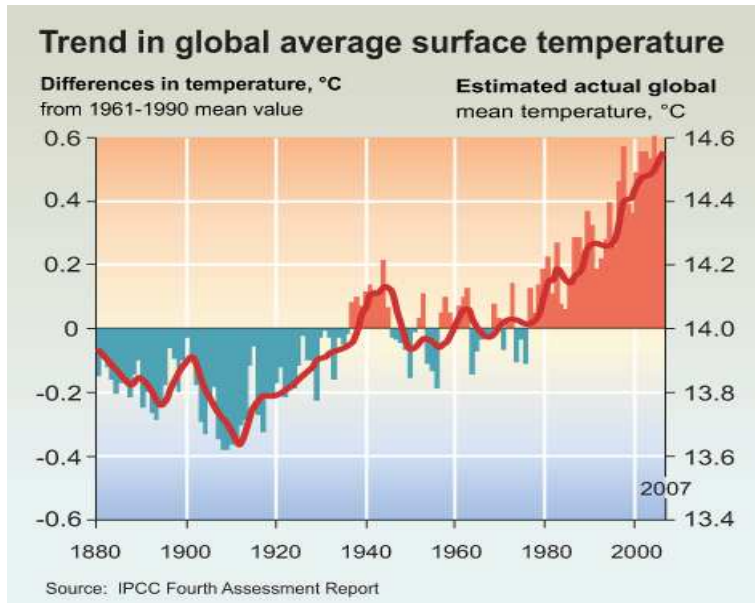


Economic losses related to disasters are increasing

BUT we are saving lives

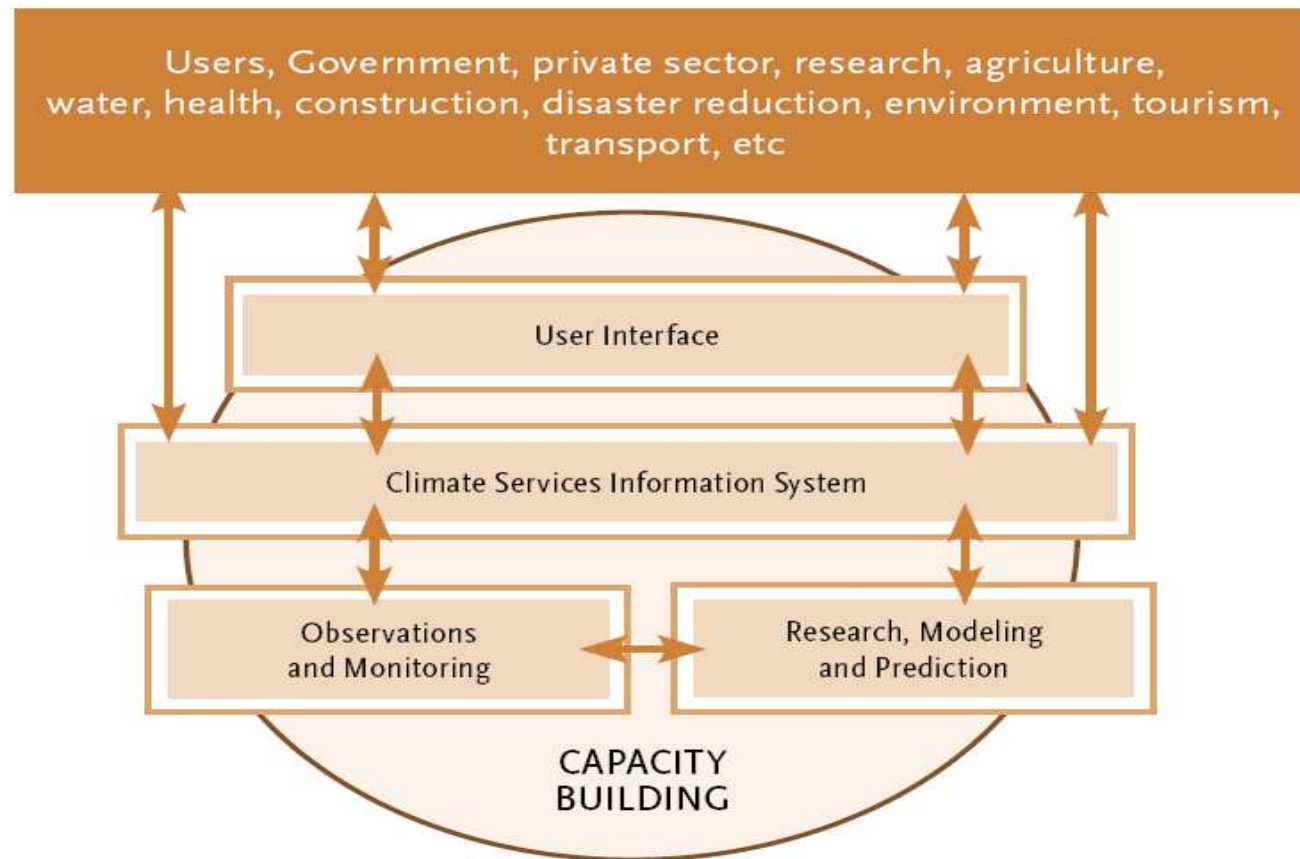


Understand the complexity



- ✓ The past is no longer a trustworthy indicator of the future
- ✓ New paradigms required to support decision-making

Coordinate to be prepared to adapt



The Goals

1. Reducing the vulnerability of society to climate-related hazards
2. Advancing the key global development goals
3. Mainstreaming the use of climate information in decision making
4. Strengthening the engagement of providers and users of climate services
5. Maximising the utility of existing climate service infrastructure

The priority areas

Agriculture



Water



Health

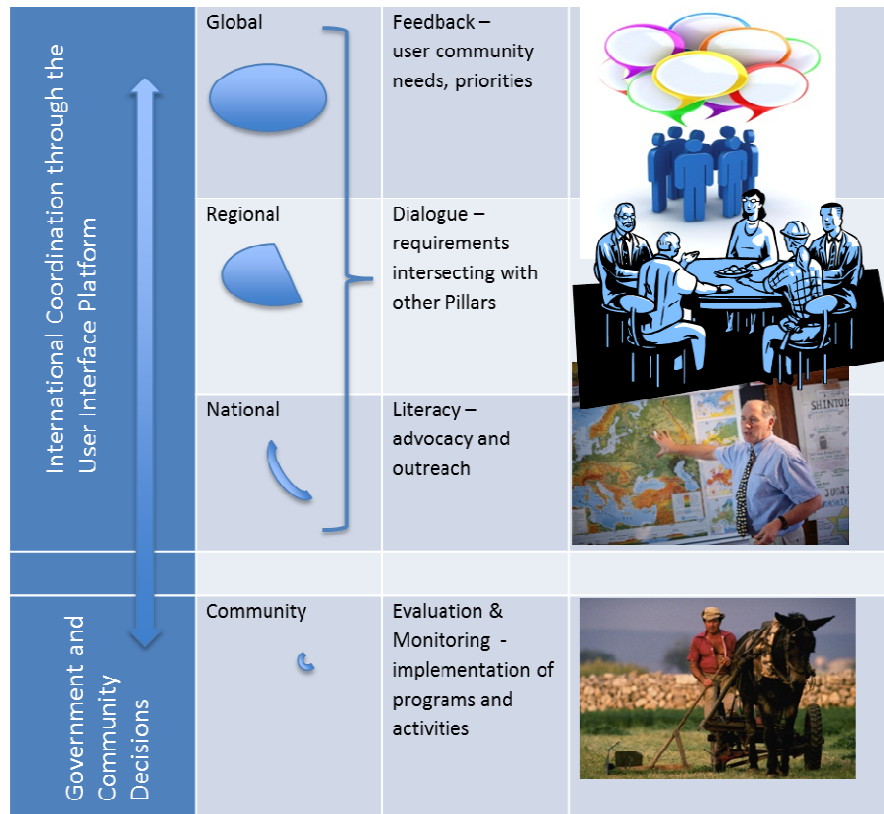


Disaster
Risk
Reduction



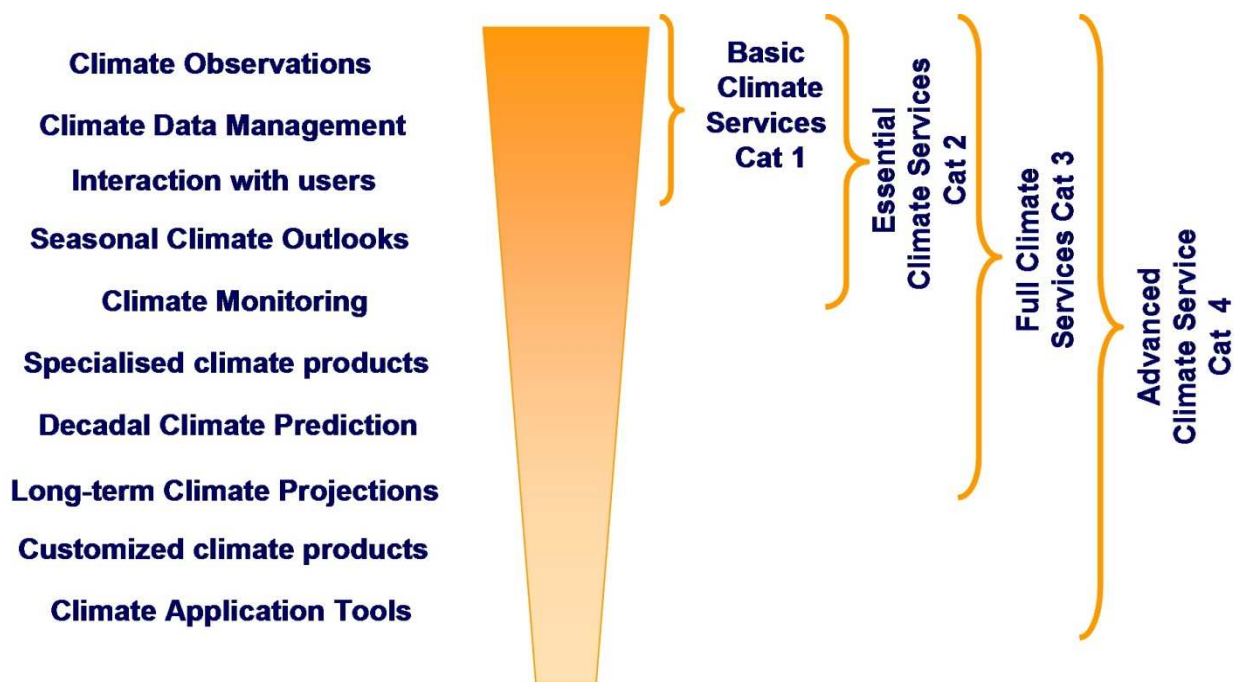
Interface

⇒ structured means for users, climate researchers and climate service providers to interact



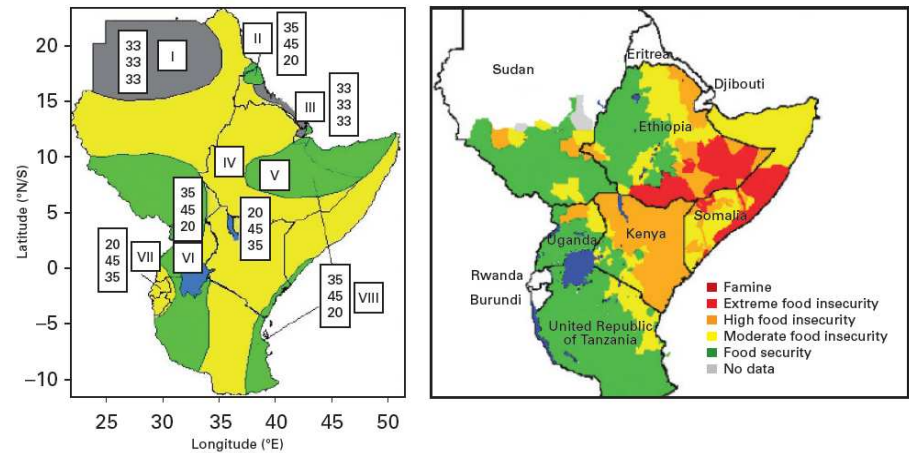
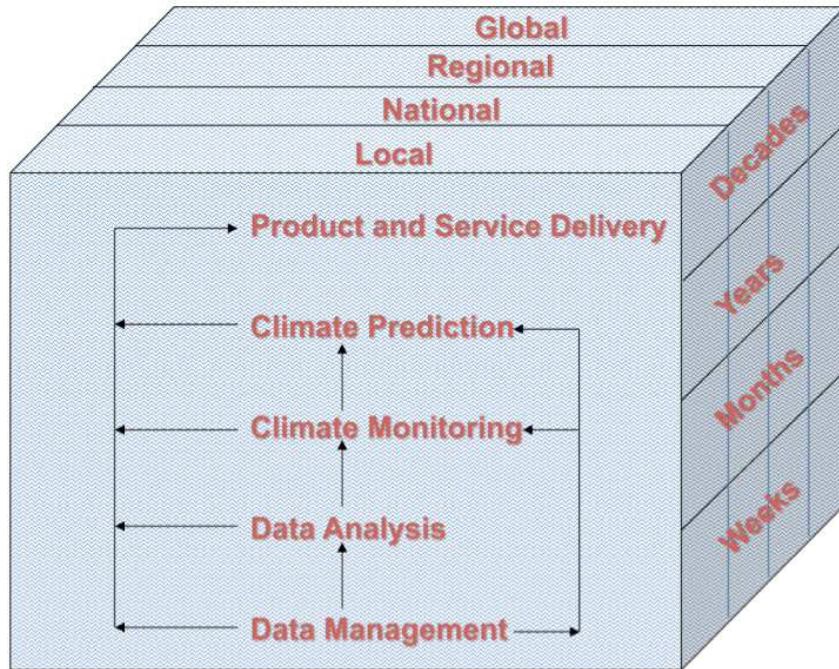
Capacitate

⇒ enable countries to provide more and better climate products and information



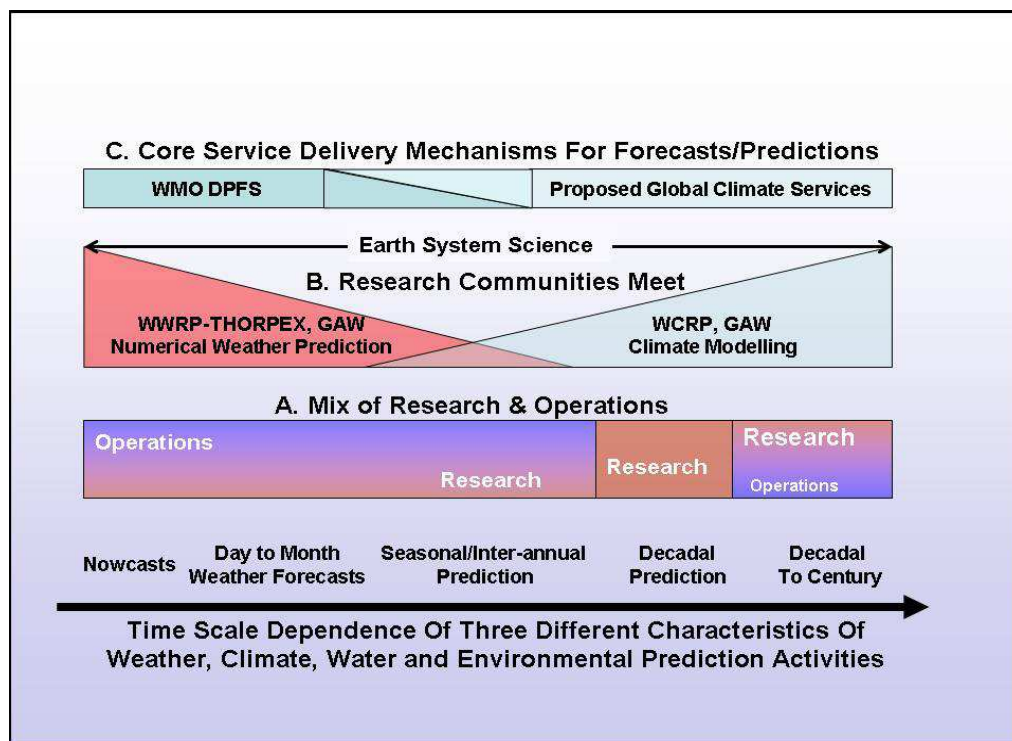
Inform

⇒ generate and disseminate climate information that is essential for climate services

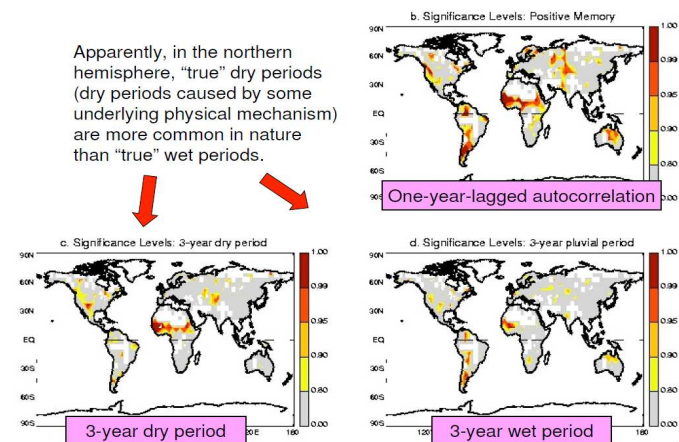


Discover

⇒ improve our understanding of climate and to develop core prediction tools, applications, and products

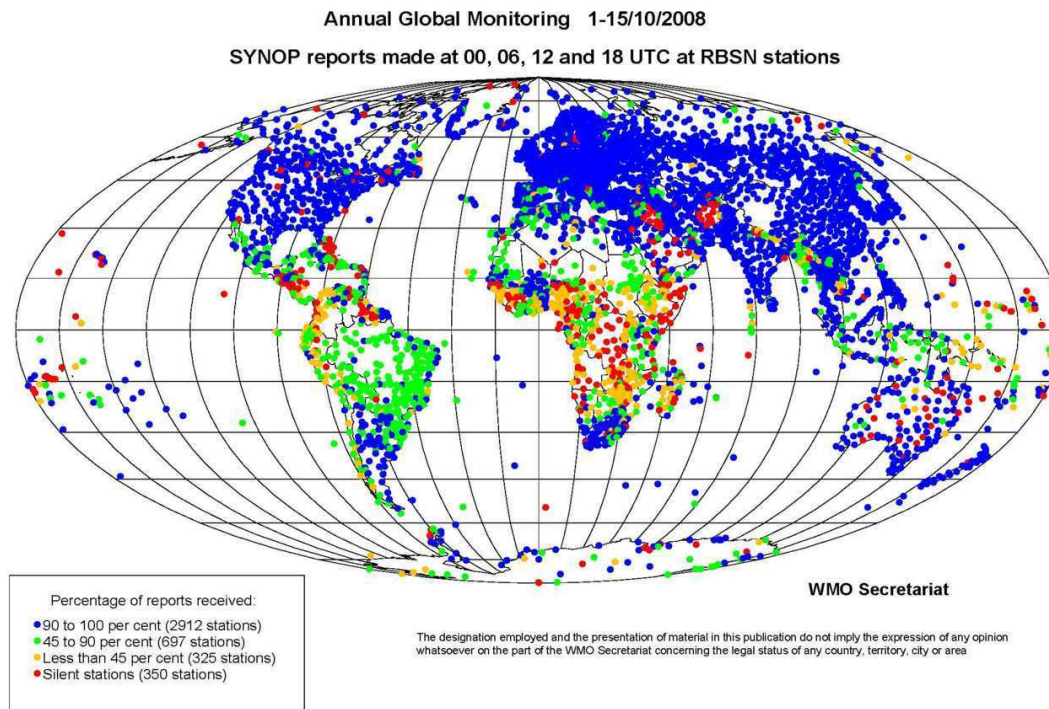


Apparently, in the northern hemisphere, "true" dry periods (dry periods caused by some underlying physical mechanism) are more common in nature than "true" wet periods.



Monitor

⇒ address observation gaps and shortcomings, building on existing observational, data management, and exchange systems and initiatives



Real Benefits

Mobile Weather Alert: Community weather information via mobile technology



- ⇒ Reduction in the frequency of deaths on Lake Victoria.
- ⇒ Improved capacity amongst pilot communities to respond to warnings of severe weather.
- ⇒ Increased capacity to deliver effective warnings.
- ⇒ Business model for wide-scale rollout.
- ⇒ Sustainable increase in observations.

Through realisation of the benefits above, the project will contribute towards poverty reduction and achievement of the Millennium Development Goals.

Real Benefits

Roving Seminars for subsistence farmers



- ⇒ 159 Seminars
- ⇒ 3300 raingauges
- ⇒ 7330 farmers trained
- ⇒ 15 Western African countries
- ⇒ Evaluation and basic mapping of climate and weather risks associated with food production
- ⇒ Enhanced planning and management of crops based on weather and climate information

Through realisation of the benefits above, the project will contribute towards enhanced crop production and sustainable livelihoods.

Real Benefits

Frameworks for Climate Services at the National Level



- ⇒ 3 pilot projects
- ⇒ Enhanced understanding of the added value of working together
- ⇒ Reduced barriers for collaboration at the technical level
- ⇒ Improved ability to communicate climate information through media
- ⇒ Increased awareness at the political level for the importance of meteorological services

Through realisation of the benefits above, the project will contribute towards achieving the main goals of the GFCS.

Early implementation



Pilot projects in Burkina Faso, Mali, Niger and Chad

Under preparation:
Botswana, Nepal, South Africa and Spain



Regional workshops for the most vulnerable countries

South East Asia

Caribbean

Next steps: GFCS 2013

Work with the users:
The Joint Project Offices

Get it all set:
Intergovernmental
Board Meeting
Geneva

1-5 July 2013

Act globally:
The GFCS
Oversight Board

Act on the ground:
Pilot Projects
& Regional
Workshops

**Improve the
knowledge base:**
Revision of
fundamental
documents



Thank you for your attention