



**Climate change adaptation -  
The UN delivering As One on climate knowledge**



## **Science for adaptation: supporting policy relevant climate research and information services**

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World Meteorological Organization**

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# Climate Adaptation Needs

## Climate Information

Historical Data on Variability  
and Change  
Climate Predictions  
Climate Scenarios

## Sectoral Information

Interaction between needs and  
possibilities  
Technological aspects

## Physical Information

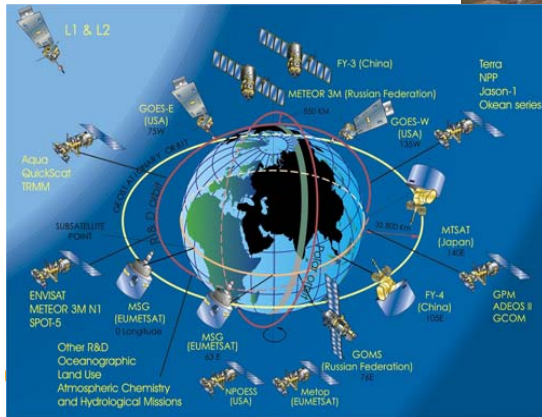
Geophysical information

## Socio-Economic Information





# Global Climate Observing System

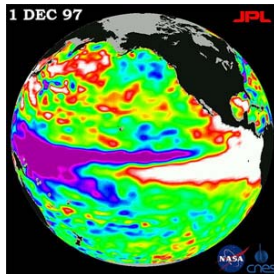


## Need for global exchange WMO Information System



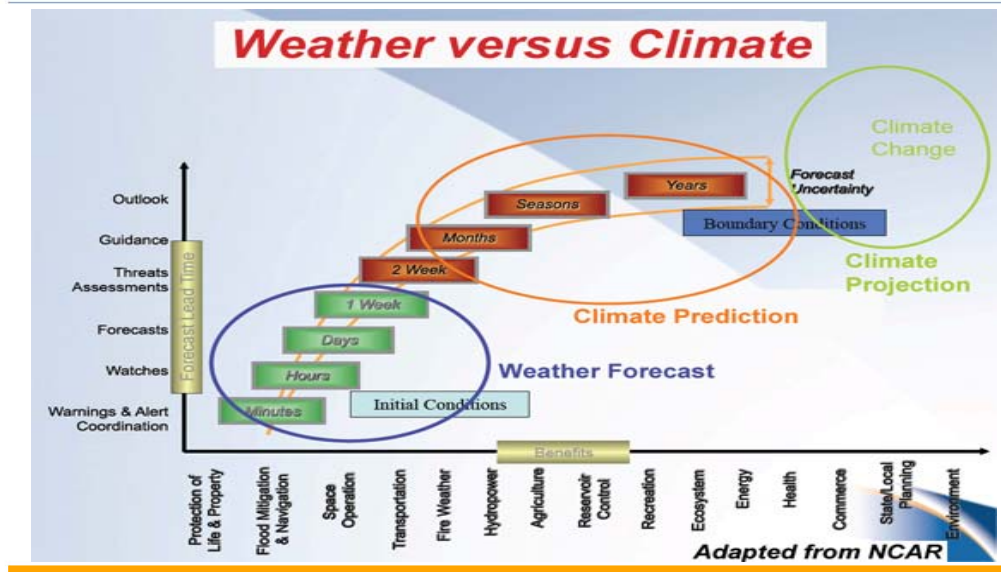
## Climate research, modeling and prediction

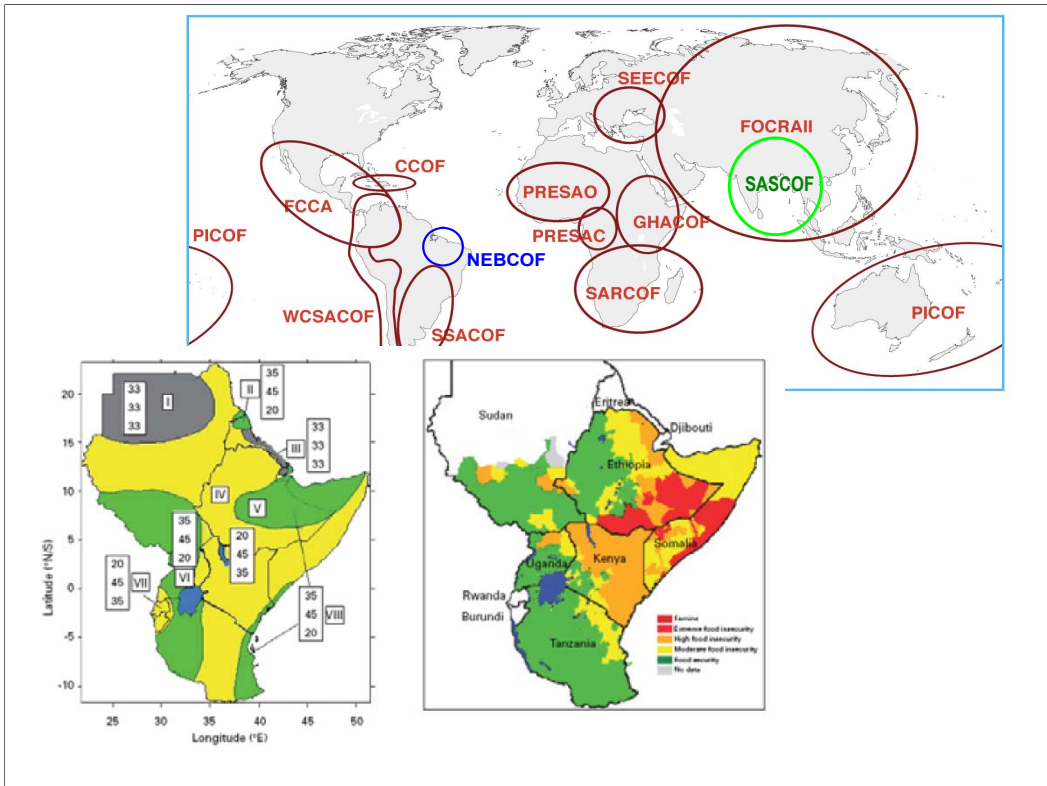
- Scientific research partnerships
- Co-sponsored programmes
- Key policy issues
- Major assessments (e.g IPCC)
- Authoritative reports





## A seamless transition from weather to climate prediction



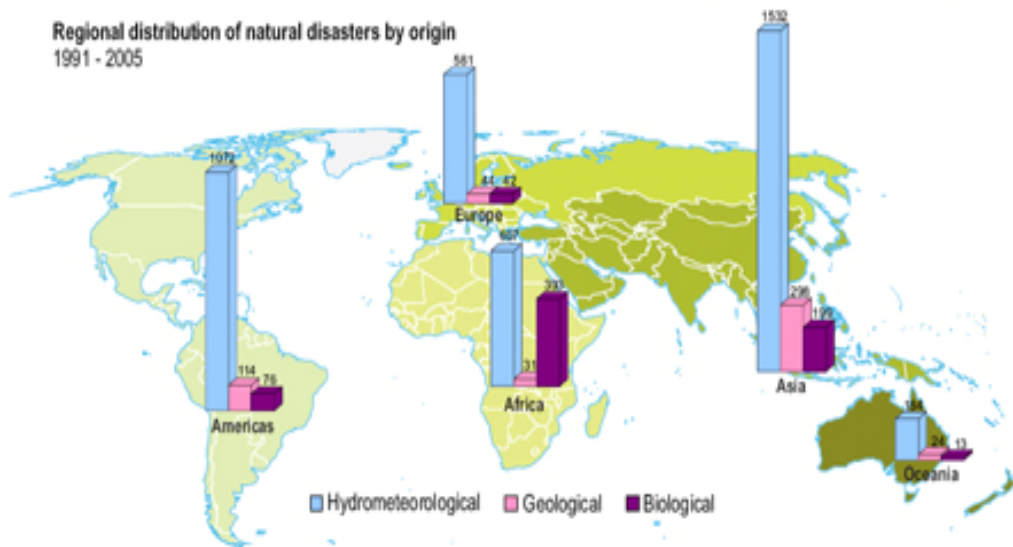




## Natural disasters

CRED Centre for Research on the Epidemiology of Disasters

Regional distribution of natural disasters by origin  
1991 - 2005

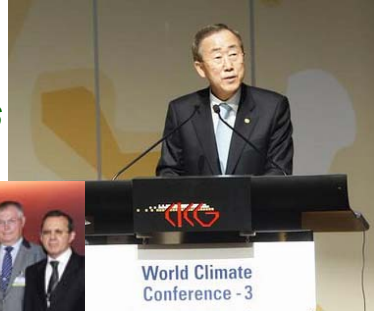




## 3<sup>rd</sup> World Climate Conference Geneva (September 2009)



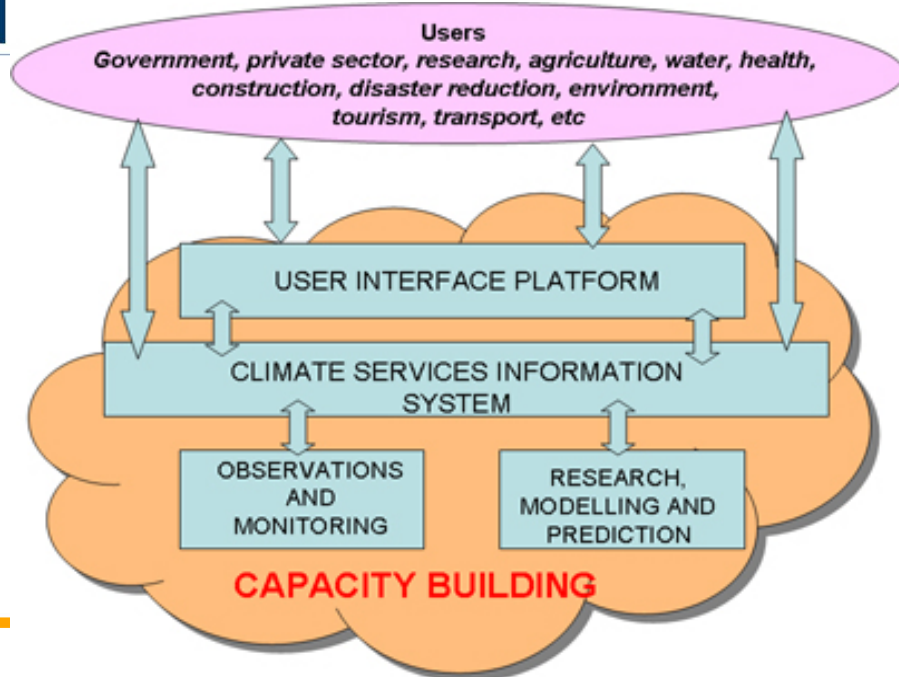
Unanimous decision to develop  
*A Global Framework for Climate Services*



*"We need better  
information and  
tools to adapt ..."*



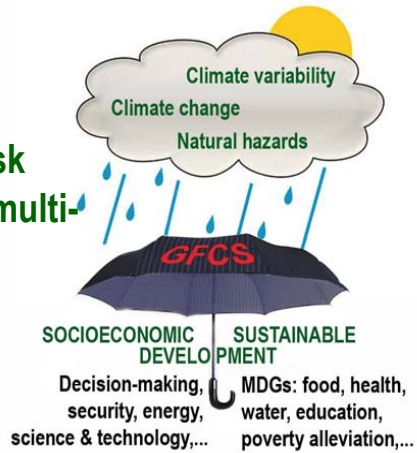
## Proposed framework components





## In a nutshell

- Climate adaptation and climate risk management require international multi-disciplinary collaboration.
- GFCS will be a milestone in systematically providing all socioeconomic sectors with critical information for decision making.
- Capacity building is essential.
- UN delivering "As One"
- Supportive of the UNFCCC process and objectives.





**Thank you**  
**Merci**  
**Gracias**  
**Спасибо**  
**شكرا**  
**谢谢**



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[www.wmo.int](http://www.wmo.int)

