



**World Meteorological Organization**

Working together in weather, climate and water

**Regional Seminar on Climate Services in  
Regional Association V (South-West Pacific)  
Honiara, Solomon Islands, 1 - 4 November 2011**

# **General Introduction to Seminar And Background on GFCS**

**Robert O. Masters**

**Director**

**Development and regional Activities Department**



# Background

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***The Regional Seminar is one of the series of such organized by WMO for Directors and senior officials of National Meteorological and Hydrological Services (NMHSs).***

***The RA V Management Group at its fifth session (Citeko, Indonesia, September 2010) agreed to hold the Regional Seminar with a general theme of “Climate Services”.***

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# Overall goal

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For Region V to improve climate information and prediction services, and contribute to the regional aspects of the development and implementation of the GFCS in the Region.

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# Purpose

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To provide a forum for RA V NMHS Directors and senior officials to:

- ✓ Consider status and progress on GFCS
  - ✓ review current capabilities of NMHSs to provide climate services
  - ✓ Identify needs and opportunities for climate services in RA V
  - ✓ discuss ways and means to strengthen climate services in RA V
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# Objectives

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## To consider what climate service users need

- ✓ national, sub-regional/cluster of countries and regional for climate services;
- ✓ beyond the meteorology, hydrology and climatology communities to users of climate services

## To identify capacity of NMHSs in Region V to address these needs

- ✓ Scientific, technical infrastructure, human resources, institutional
- ✓ Gaps in ability of the NMHSs in Region V to provide climate services

## To identify mechanisms to address needs and gaps in the Region Region

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# Expected outcomes

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- ✓ Greater understanding of how climate services can meet user needs in RA V
  - ✓ Clarify Baseline information on capability of NMHSs related to climate services as well as the development and implementation of GFCS in the Region
  - ✓ Contribute to a road map for the development and implementation of the GFCS in the Region
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# Approach

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*The Directors or senior officials from NMHSs and invited experts will share experience and know-how through:*

- presentations and discussions*** under each topic
  - Conclusions and recommendations*** will be drawn up and discussed and will be adopted at the end of the Seminar.
    - ✓ ***Each participant is invited to make observations, recommendations, identify gaps and offer inputs to road map; + a short summary***
    - ✓ ***Rapporteur: take main points for conclusions and recommendations***
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# Programme of the Seminar

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*Tuesday, 1 November 2011*

**Opening Ceremony**

**PART I CURRENT CAPABILITIES FOR CLIMATE SERVICES IN RA V**

**SESSION 1 - CLIMATE INFORMATION AND PREDICTION**

**SESSION 2 - CLIMATE OBSERVING SYSTEMS AND DATA**

**PART II NEEDS AND OPPORTUNITIES FOR CLIMATE SERVICES IN RA V**

**SESSION 3 - REQUIREMENTS FOR CLIMATE SENSITIVE SECTORS**

*Wednesday, 2 November 2011*

**SESSION 4 - CLIMATE SERVICES AT NATIONAL LEVEL**

*Thursday, 3 November 2011*

**PART III STRENGTHENING OF CLIMATE SERVICES IN RA V**

**SESSION 5 - CASCADING GLOBAL AND REGIONAL CLIMATE INFORMATION TO  
NATIONAL LEVEL**

**SESSION 6 - GAPS AND OPPORTUNITIES FOR CLIMATE SERVICES IN RA V**

**SESSION 7 - PARTNERSHIP, CAPACITY BUILDING AND RESOURCE MOBILIZATION**

**SESSION 9 - CONCLUSIONS AND RECOMMENDATIONS**

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# Side events

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## **Monday, 31 October 2011**

- **Consultation Meeting on Development of the Pacific Islands Meteorology Strategy Plan**

## **Friday, 4 November 2011**

- **WMO RA V Management Group Meeting**
  - **WMO RA V Working Group on Climate (Side meeting room)**
  - **Consultation Meeting on the Pacific Islands Meteorology Strategy Plan**
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## Note:

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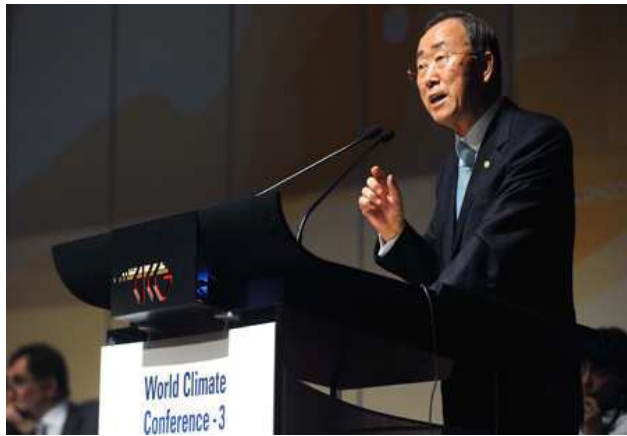
*For additional information,  
please contact:*

### WMO

- Mr Kuniyuki Shida, Regional Office for Asia and the South-West Pacific
- Mr Henry Taiki, WMO Office for the South-West Pacific
- Dong-Eon Chang, RAP Office - Presentations

### Local Organizing Committee:

- Mr Lloyd Tahani
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An historic event





# History of the GFCS

- Third World Climate Conf (2009)
- Intergovernmental mtg (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 (June 2011)
- Establishment of GFCS office in the WMO Secretariat (June 2011)
- 1st ECTT GFCS mtg (Oct 2011)



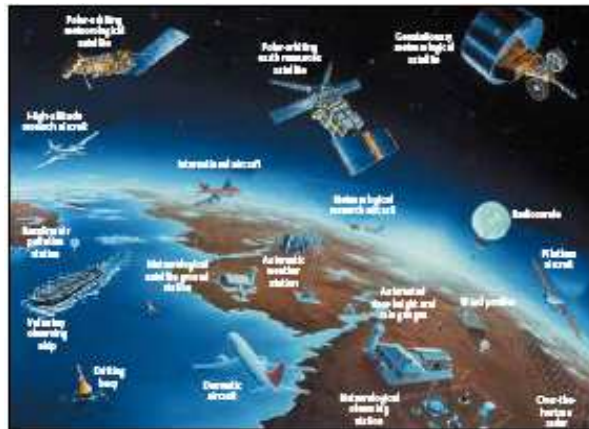
## CLIMATE KNOWLEDGE FOR ACTION:

A GLOBAL FRAMEWORK  
FOR CLIMATE SERVICES—  
EMPOWERING  
THE MOST VULNERABLE





# The goals of the GFCS

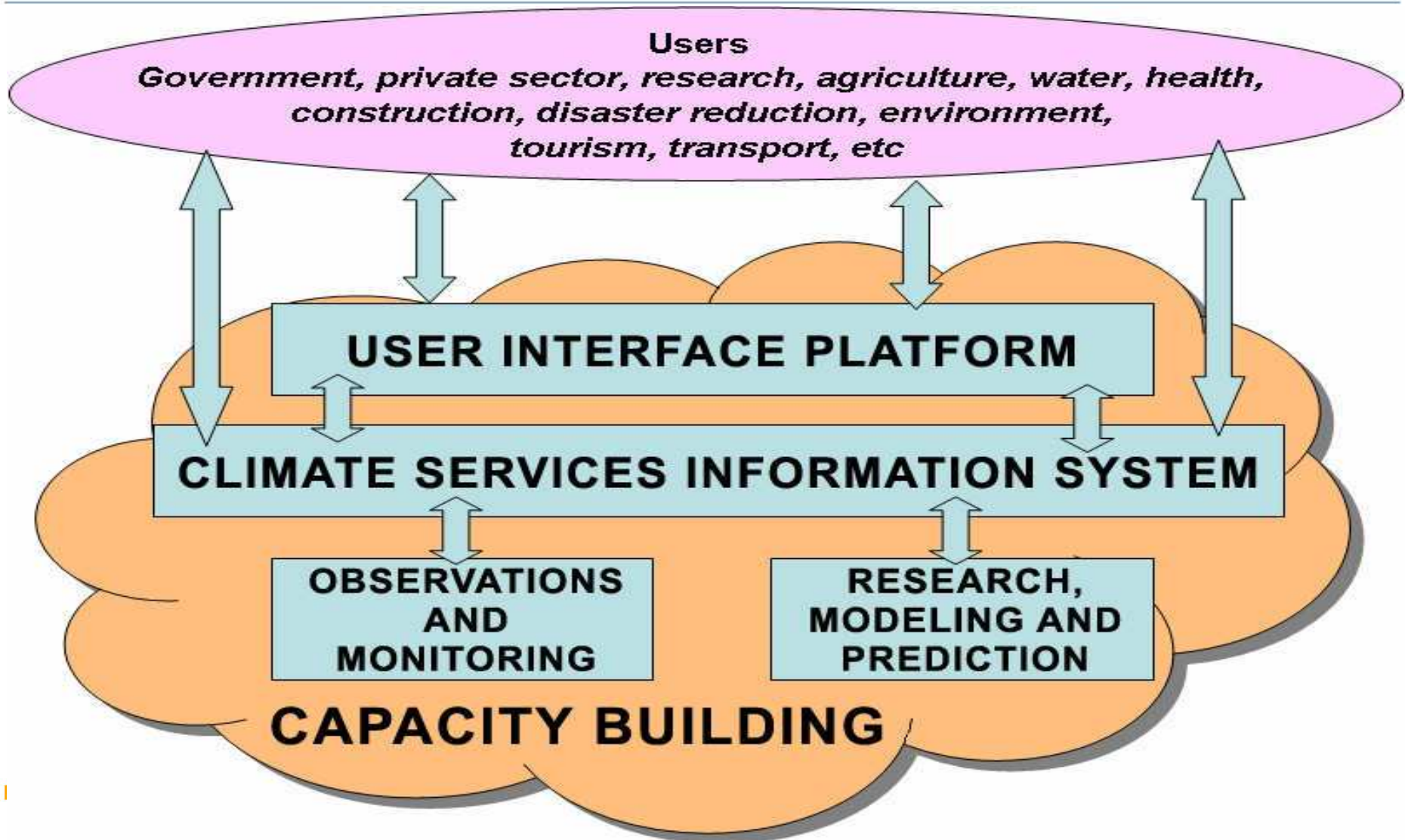


- Enable better management of the risks of climate variability and change and adaptation to climate change at all levels, through development and incorporation of science-based climate information and prediction into planning, policy and practice



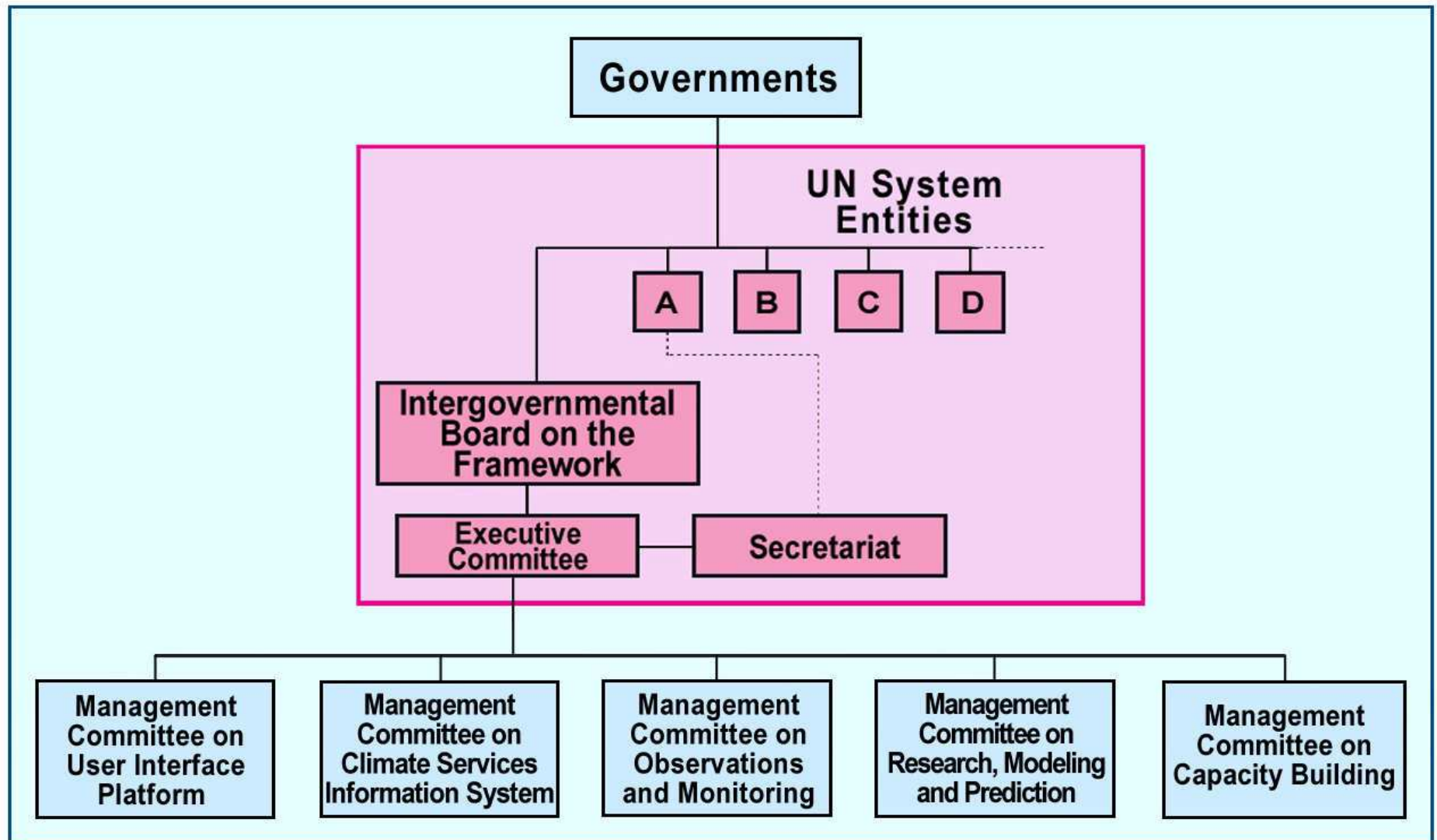


# GFCS structure



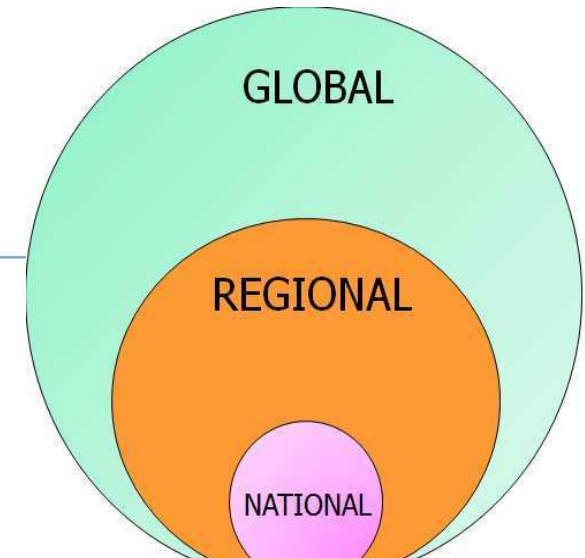


# GFCS governance





## 8 GFCS implementation principles



1. Prioritize capacity building for developing countries
2. Greater availability of climate
3. 3 geographic domains: global, regional and national
4. A core GFCS element: operational climate services
5. Governments will have a central role in GFCS management, but each country to decide how
6. Free and open data exchange, while respecting national and international data policies
7. To facilitate and to strengthen, but not to duplicate
8. Based on user - provider partnerships, including all major stakeholders





## Congress outcomes

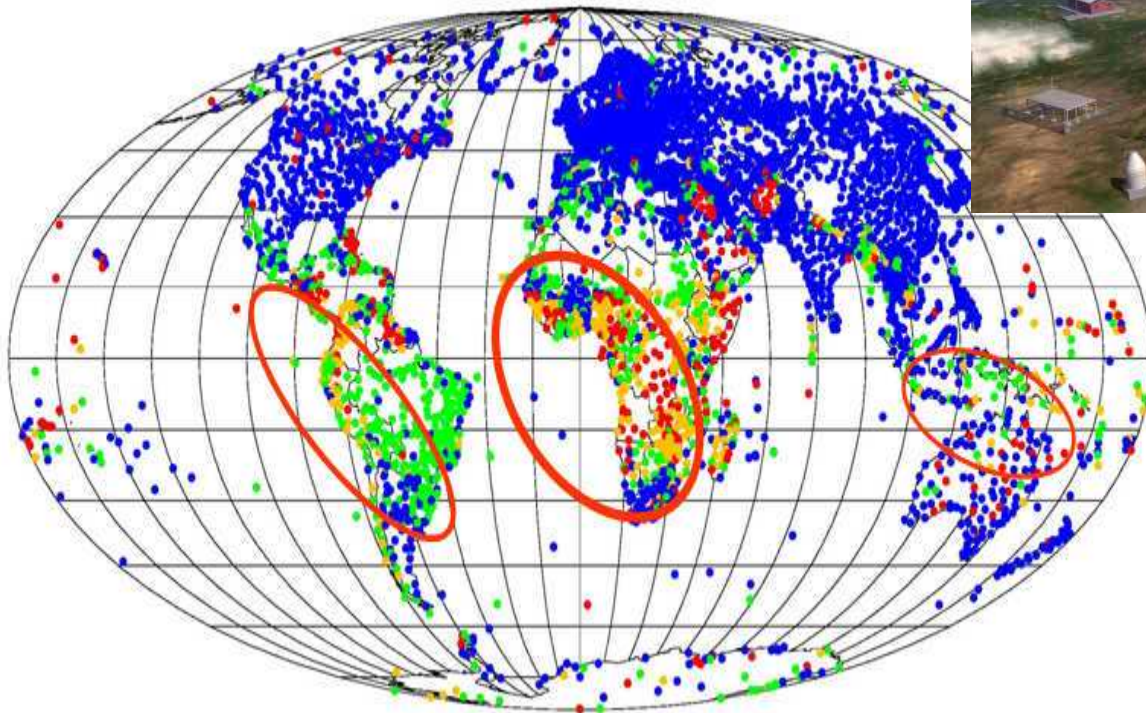
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- ✓ Endorsed HLT report broadly
- ✓ Accepted financial recommendations in principle
- ✓ The 8 HLT Principles as a guide for decision-making in GFCS implementation
- ✓ Entrusted the WMO EC with the responsibility of developing proposals with the involvement of relevant external stakeholders (including UN System)
- ✓ Rapid implementation of projects at the national & regional levels to increase the capacity to provide climate services of developing countries
- ✓ To proceed with governance option “A”
- ✓ A GFCS office within the WMO Secretariat (**done!**)



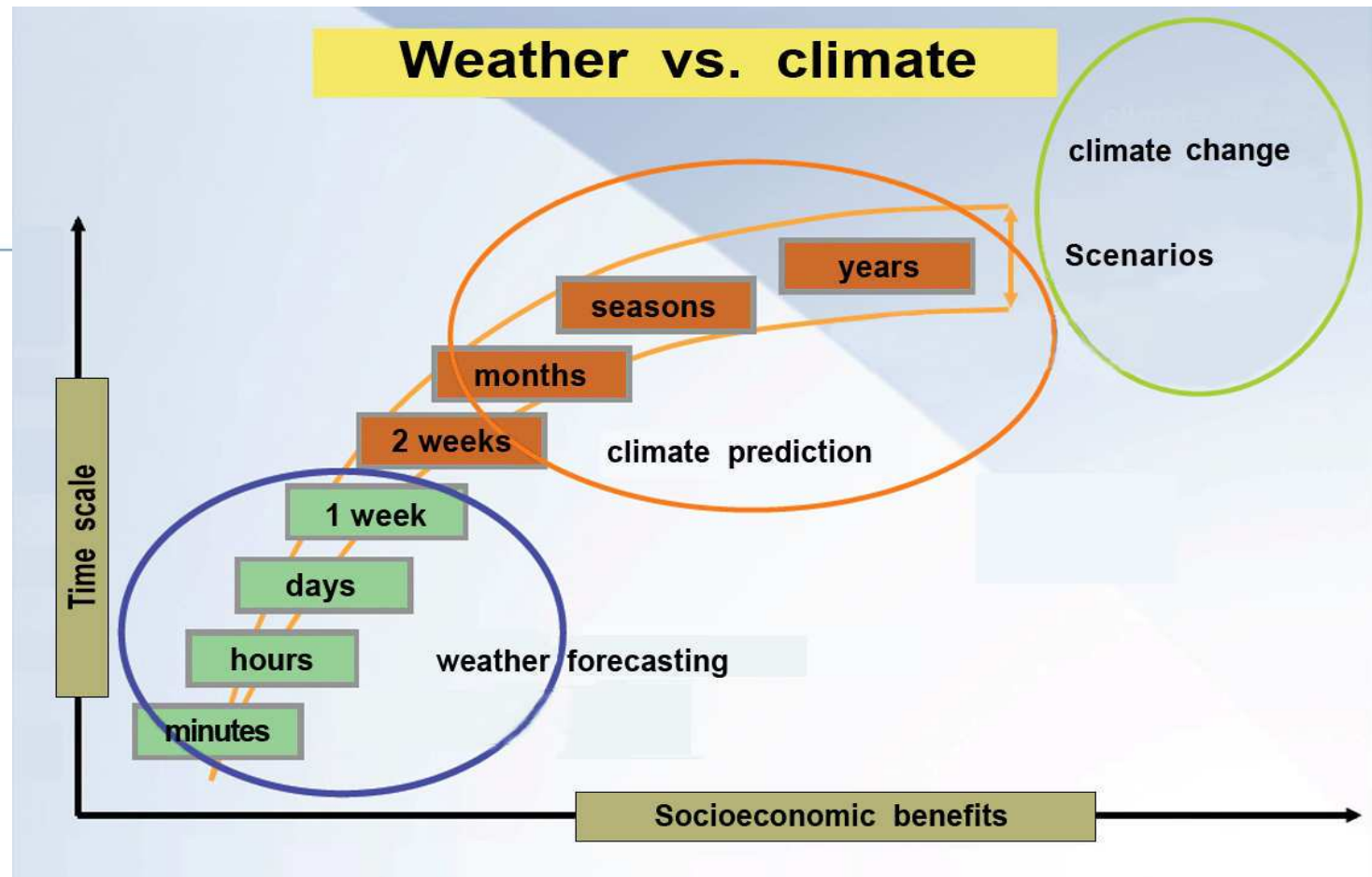
# Some of the challenges ahead: 1-Bridging global observational gaps

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





## 2-Science & technology



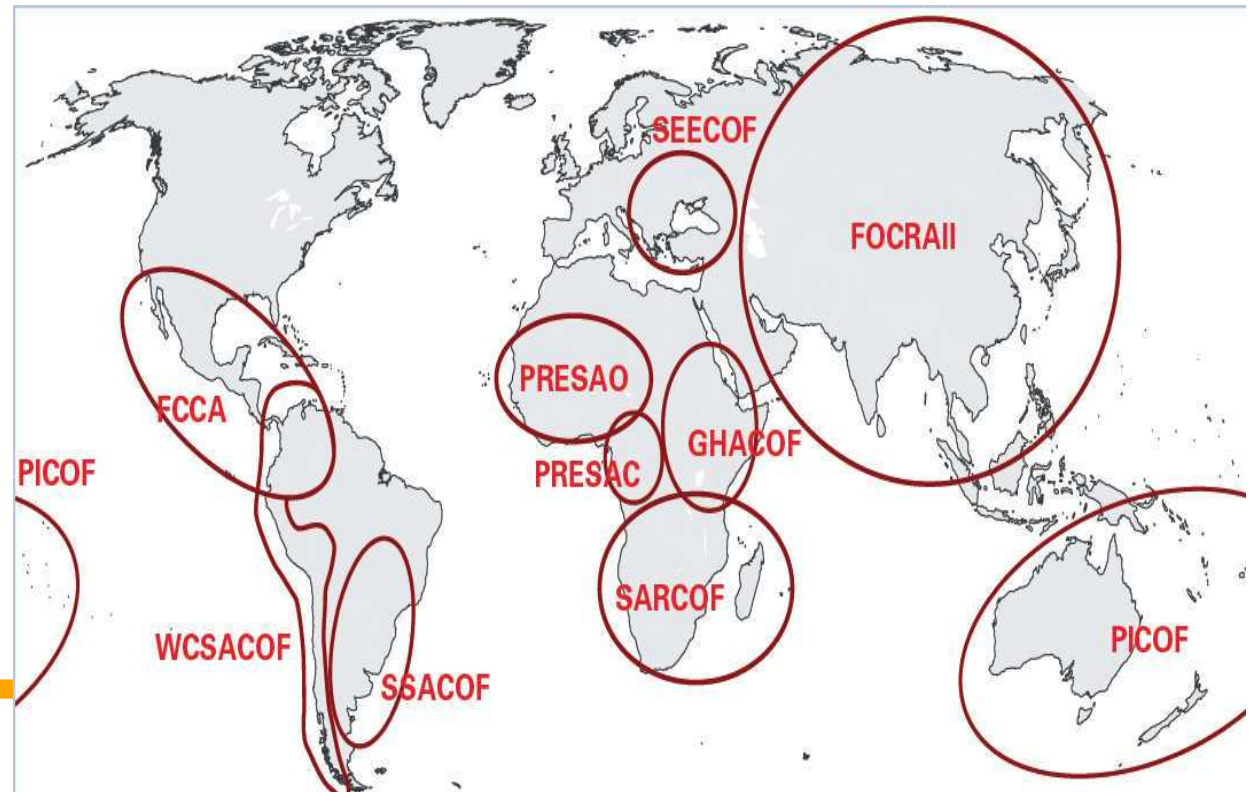
- ✓ Towards a seamless transition between weather and climate predictions & services
- ✓ Role of partnerships & co-sponsored programmes
- ✓ WCRP Open Science Conference (Denver, Oct. 2011)



## 3-Capacity development



- ✓ Regional Climate Centres (RCCs)
- ✓ Regional Climate Outlook Forums (RCOFs)
- ✓ Human resources development
- ✓ Special needs of LDCs, SIDS and landlocked countries

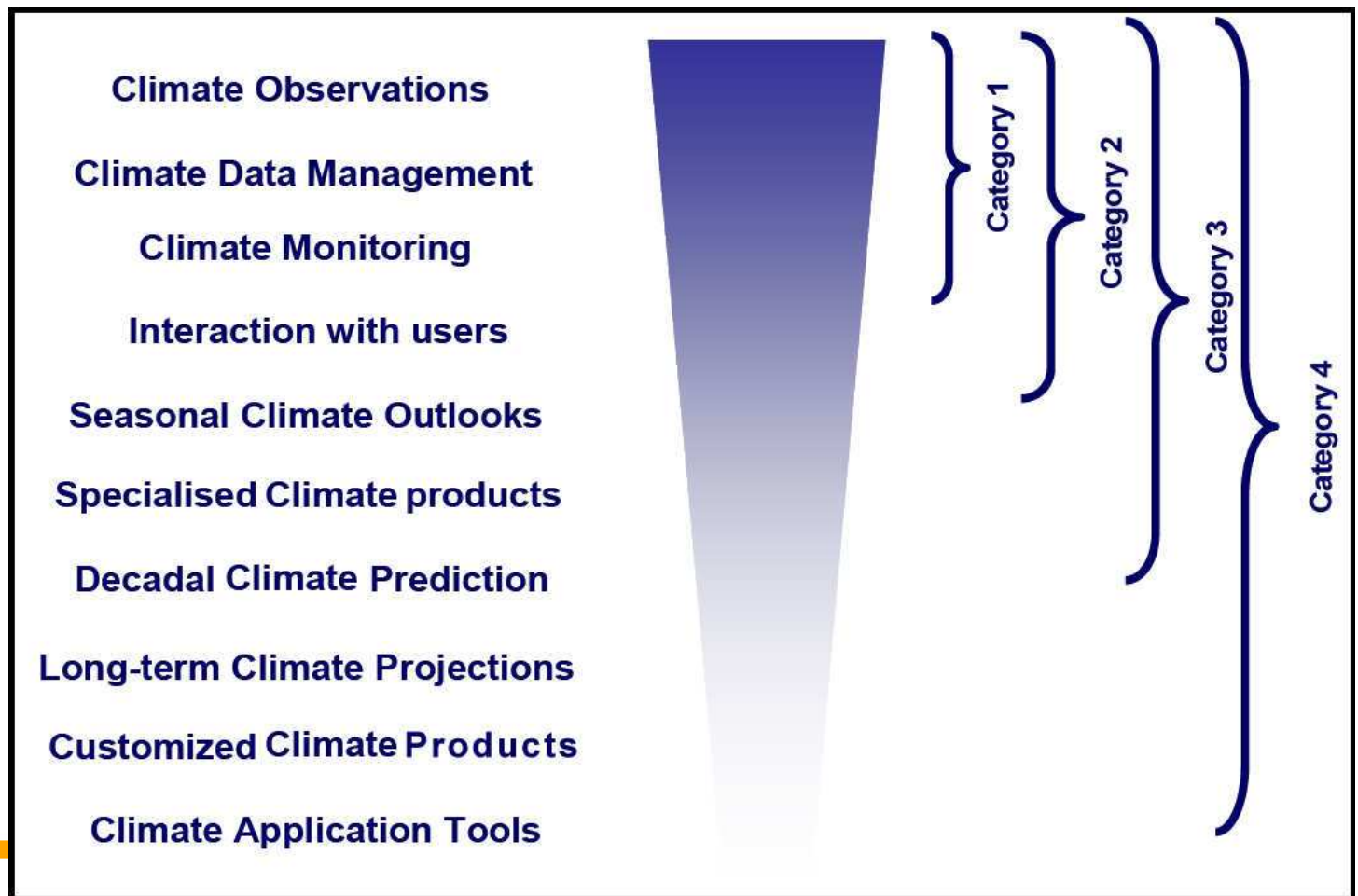




# Levels of services categories

NMHSs to provide 4 different climate services levels

1. Basic
2. Essential
3. Full
4. Advanced





## The 4 initial GFCS priority sectors

- ✓ **Water**
- ✓ **Agriculture/food security**
- ✓ **Disaster risk reduction**
- ✓ **Health**



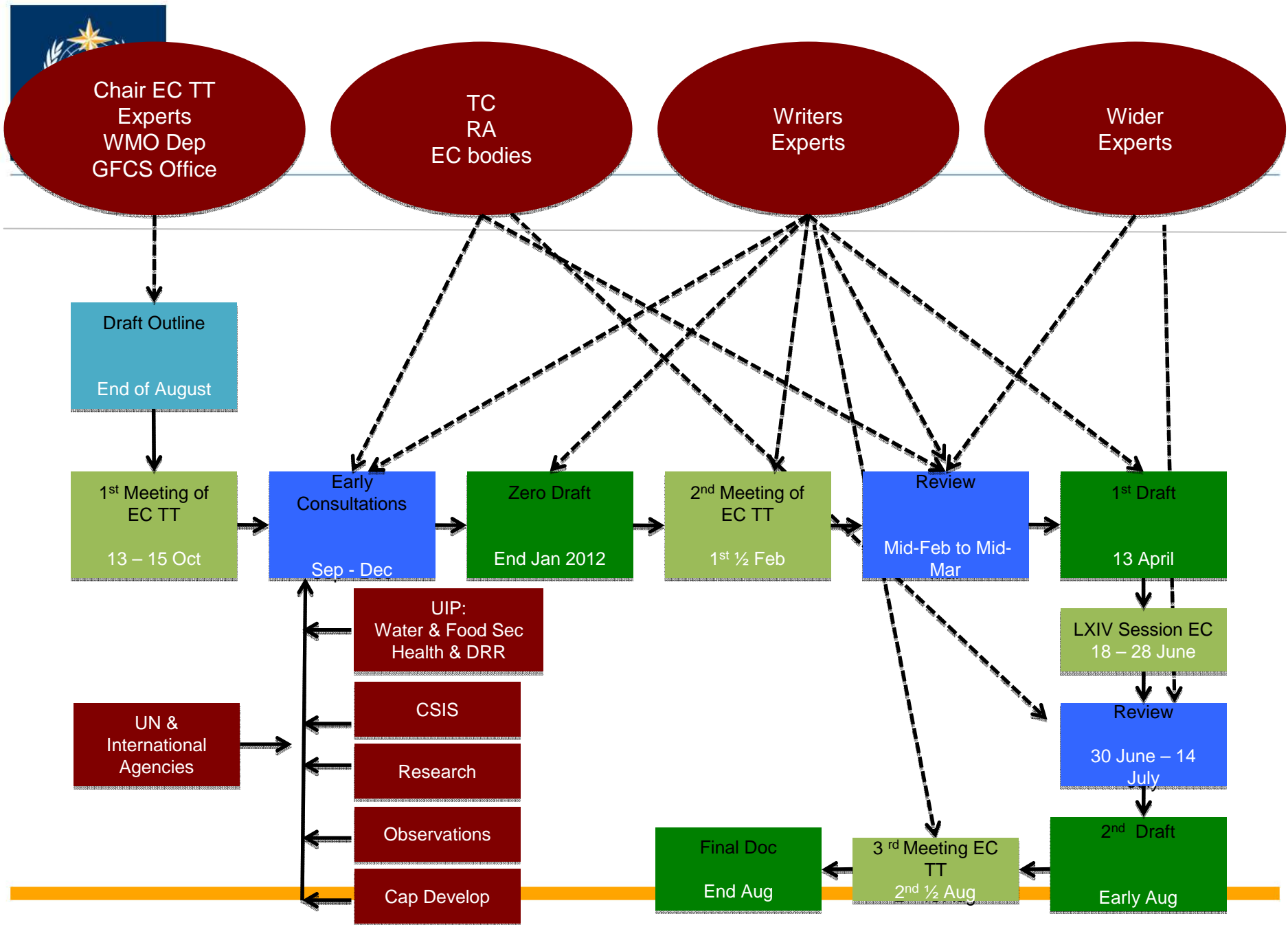


# Way forward up to Extraordinary Congress in October 2012

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The Executive Council Task Team shall:

- Give guidance in designing and collaborate with expert writers for drafting **the Implementation Plan of the GFCS**
  - Draft the terms of reference and initial rules of procedure for the **Intergovernmental Board** and its substructures
  - Actively participate in the consultation and engagement of global, regional and national stakeholders of the GFCS
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## 6- Socio-economic aspects of ensuring secure and sustainable living

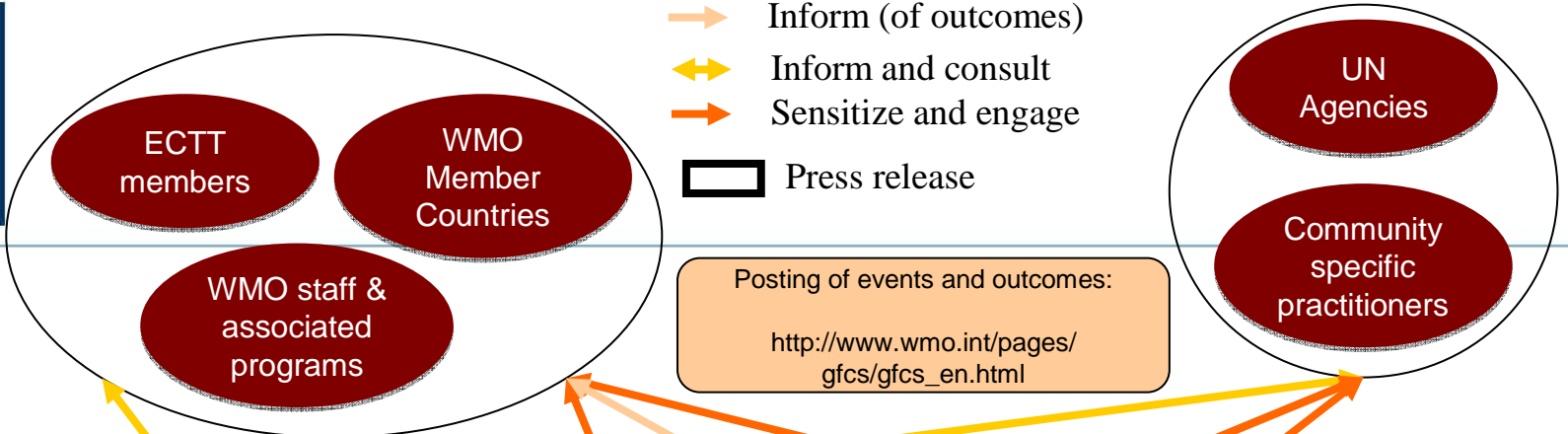
The following issues will become increasingly significant for GFCS development:

- ✓ **Decision-maker awareness**
- ✓ **Dialogue and partnership with all actual & potential user sectors**
- ✓ **Outreach to academia & the media**
- ✓ Consistent evaluation methodologies
- ✓ National development strategies & regional perspectives





- Inform (of outcomes)
- ↔ Inform and consult
- Sensitize and engage
- ▭ Press release

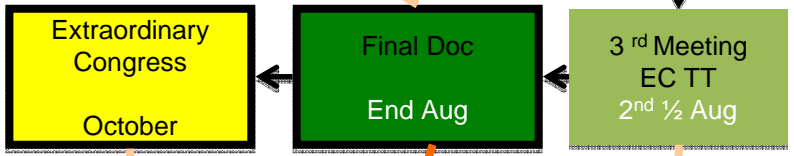
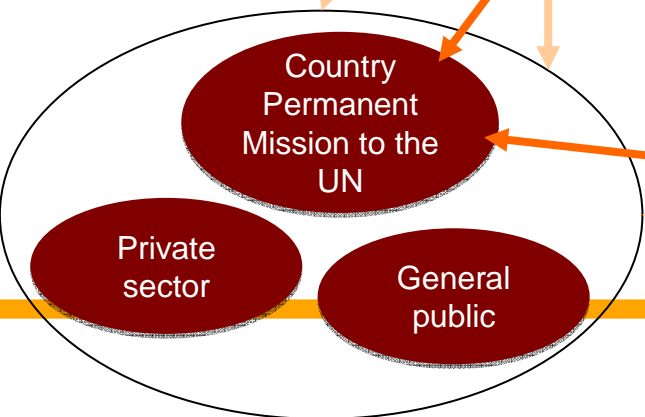
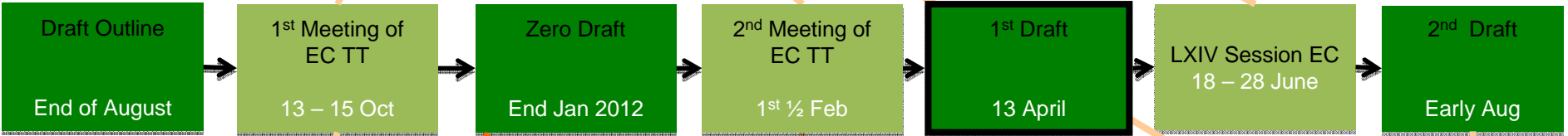


Posting of events and outcomes:  
[http://www.wmo.int/pages/gfcs/gfcs\\_en.html](http://www.wmo.int/pages/gfcs/gfcs_en.html)

Pre-draft consultations  
April 2011 – Feb 2012

Draft consultations  
Feb 2012 – Aug 2012

Speeches and Presentations at events  
April 2011 – Oct 2012





# Calendar of events

Microsoft Excel - consultation\_strategy.xls

File Edit View Insert Format Tools Data Window Help

Type a question for help

Google cloud connect Welcome to Google Cloud Connect. To get started, login using your Google credentials: Login

	A	B	C	D	E	F
1		GFCS consultation/EC meetings				
2		WMO meetings (including RA meetings)				
3		UN meetings				
4		Relevance to GFCS doubtful				
5		suggested deliverer				
6		<i>italics</i> past events				
7						
8	<b>Start date</b>	<b>End date</b>	<b>Place</b>	<b>Name of event</b>	<b>Deliverer</b>	<b>Type of communicat</b>
18	24 October 2011	28 October 2011	Denver, USA	Open Science Conference	WMO Department Directors	conference
19	24 October 2011	25 October 2011	Dakar, Senegal	WMO/ASECNA	WMO Department Staff DRA, D/RAF	workshop
20	01 November 2011	04 November 2011	Solomon Islands	RA V Climate Services	RA president (V)	meeting
21	07 November 2011	09 November 2011	Moscow, Russia	Problems of Adaptation to Climate Change	WMO Department Staff (?)	conference
22	09 November 2011	11 November 2011	Casablanca, Marocco	International Symposium on Drought Information System		symposium
23	09 November 2011	11 November 2011	Brasilia, Brasil	IX Meeting of the Directors of the Iberoamerican NMHSs	WMO Department Staff (Arango Rabiolo)	conference
24	14 November 2011	16 November 2011	Geneva, Switzerland	Meeting on User Interface Platform (UIP): Health and Disaster Risk Reduction	UN agency staff members (specify agency & contact)	workshop
25	14 November 2011	18 November 2011	Dominica, Dominican Republic	CMO conference of Directors of Carribean Met Services	WMO Department Staff (Arango Rabiolo)	conference
26	14 November 2011	16 November 2011	Victoria Falls, Zimbabwe	RA I Managment Group Meeting	RA president (Region I)	meeting
27	21 November 2011	23 November 2011	Nairobi, Kenia	AMCOMET Task Force Meeting	ECTT members (?)	meeting
	28 November 2011	09 December 2011	Durban, South Africa	COP 17 UNFCCC		

Sheet1 / Sheet2 / Sheet3

Wmo.int - Calendar

sofe.eu/Luxcal/

WMO Login

Wednesday, October 19, 2011

Public View

Demo Version

October 2011 - December 2011

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10:00AM - Keep free	3:00PM Keep free				12:30PM Shopping in town
	8:00PM French language training Coeur de France			8:00AM Car to garage 2:00PM Health Care meeting	Jane's birthday 9:00AM breakfast in bed!
					7:15PM Dinner with Pat and Carol
	8:00PM French language training Coeur de France	9:00AM Office 10:00AM ADC Telecomm 12:45PM Lunch with Joan and Peter 9:05PM TV - tennis			
	2:45PM Meet with Dave and Duncan	8:00PM French language training Coeur de France	Home late	8:30AM Team meeting	

NUM

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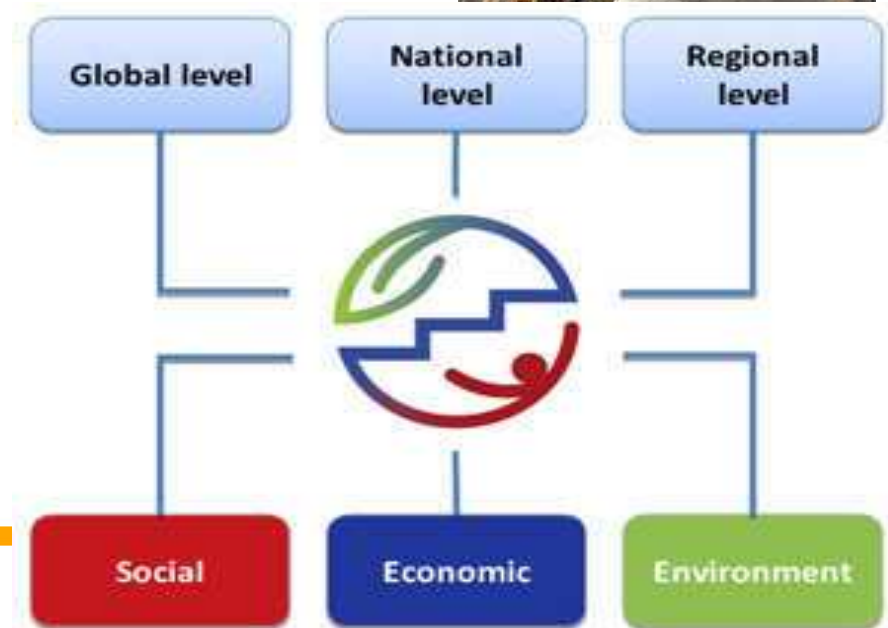
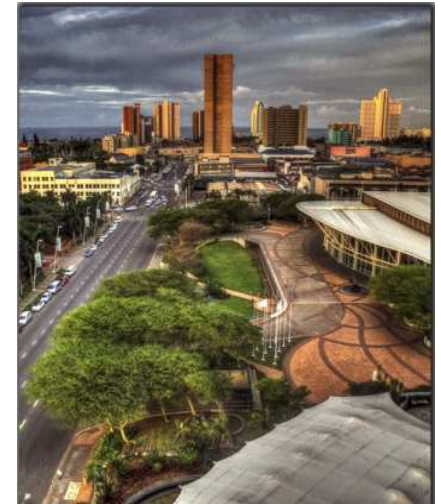
## UNFCCC COP 17 & Rio + 20



**RIO+20**  
United Nations  
Conference on  
Sustainable  
Development

**After the UNCCD COP 10, another 3 key events over the next months:**

- ✓ **UN Climate Change Conference (Durban, November/December 2011)**
- ✓ **2012 UN Conference on Sustainable Development, Rio + 20, focusing on :**
  - ✓ **Green economy**
  - ✓ **Sustainable development**
- ✓ **Extraordinary WMO Congress session on GFCS in October 2012**





## The immediate role of RA V Members

- ✓ **Sustained observations**
- ✓ **Scientific expertise**
- ✓ **Support enhanced adaptation to weather and climate variability**
- ✓ **Regional partnerships**
- ✓ **Develop interface with users**
- ✓ **Resources mobilization**
- ✓ **Communication strategy**





**SOCIOECONOMIC DEVELOPMENT**      **SUSTAINABLE DEVELOPMENT**

**Decision-making, security, energy, science & technology,...**      **MDGs: food, health, water, education, poverty alleviation,...**

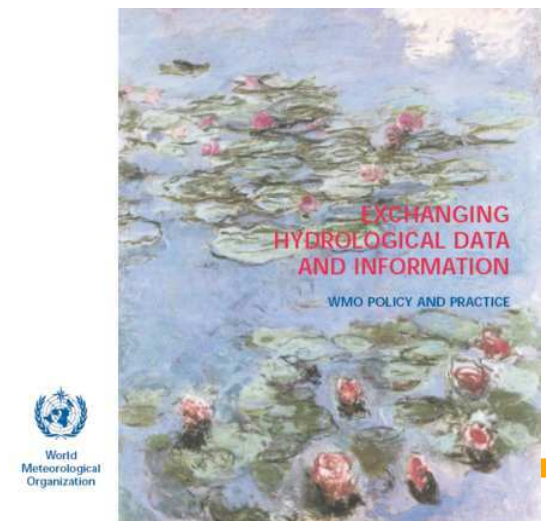
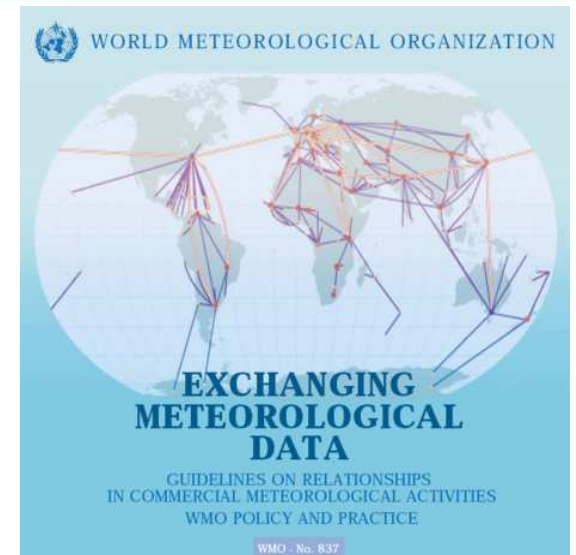
**Thank you**

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## 4- Exchange of climate data and products

- ✓ 1995 - Resolution 40 (Cg-XII)
- ✓ 1999 - Resolution 25 (Cg-XIII)
- ✓ 2010 - An Intergovernmental meeting requests the HLT to make global data policy proposals
- ✓ HLT Principle 6: The GFCS to promote the free and open exchange of climate-relevant observational data, while respecting national and international data policies
- ✓ Cg-XVI requested the WMO Executive Council to review Annex I of Resolution 40(Cg-XII), with a view to include GFCS-relevant climate data





## Purpose of Regional Climate Centres

- **Many societal and economic systems are vulnerable to the impacts of climate variability and change;**
- **Decision-makers require high-quality, reliable, timely information on current, predicted and projected conditions for safety and security, and for adaptation strategies and measures**

