



# Emerging Requirements of the Global Framework for Climate Services (GFCS)

Dr. Joseph R. Mukabana

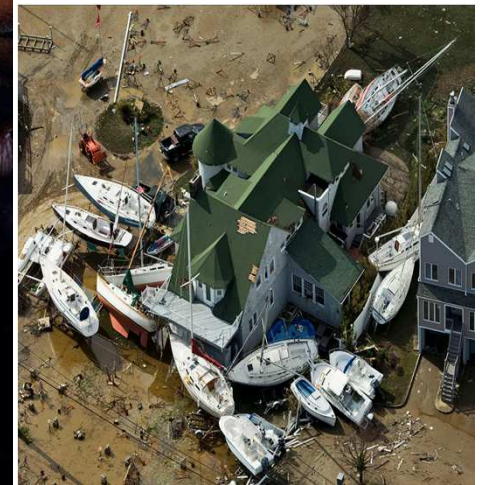
Director, Regional Office for Africa and Least  
Developing Countries

[jmukabana@wmo.int](mailto:jmukabana@wmo.int)

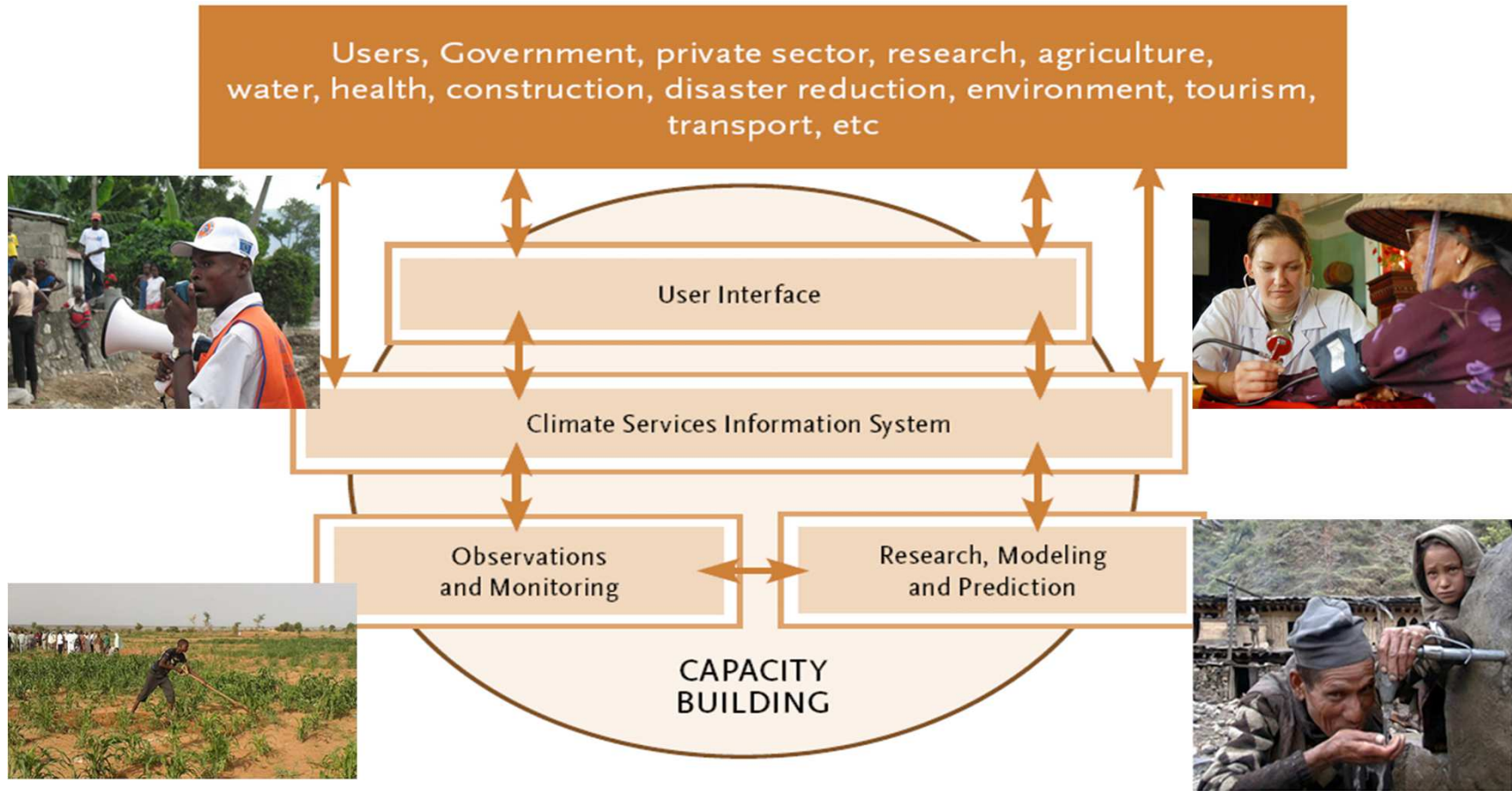
# Global Framework for Climate Services

## Goal

Enable better management of the risks of climate variability and change and adaptation to climate change, through the development and incorporation of science-based climate information and prediction into planning, policy and practice on the global, regional and national scale



# GFCS Pillars & Priority Areas





**1<sup>st</sup> Session of Intergovernmental  
Board on Climate Services  
July 2013**

- **Approval of Implementation  
Plan and Compendium of  
GFCS Projects**
  - 40 project proposals for a  
total of CHF 140 million

## **Outcomes of IBCS-1**

### ▪ **Contribution modalities**

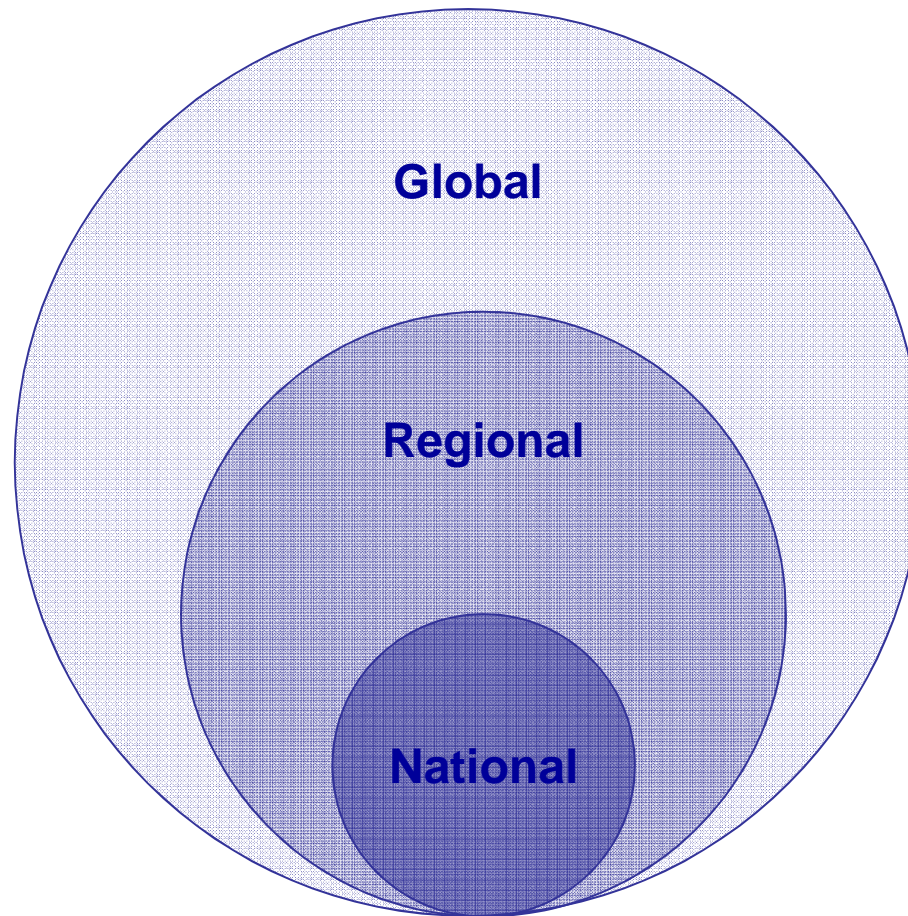
- Direct contribution to GFCS Trust Fund
- Selection of Projects for implementation
- Designation of activities contributing to GFCS based on a set Criteria

### ▪ **Implementing partners**

- **UN Bodies:** FAO, UNDP, UNESCO, UNESCO/IOC, UNISDR, UNITAR, WB, WFP, WHO, WMO
- **Others:** GWP, IFRC, CCAFS, CICERO, etc



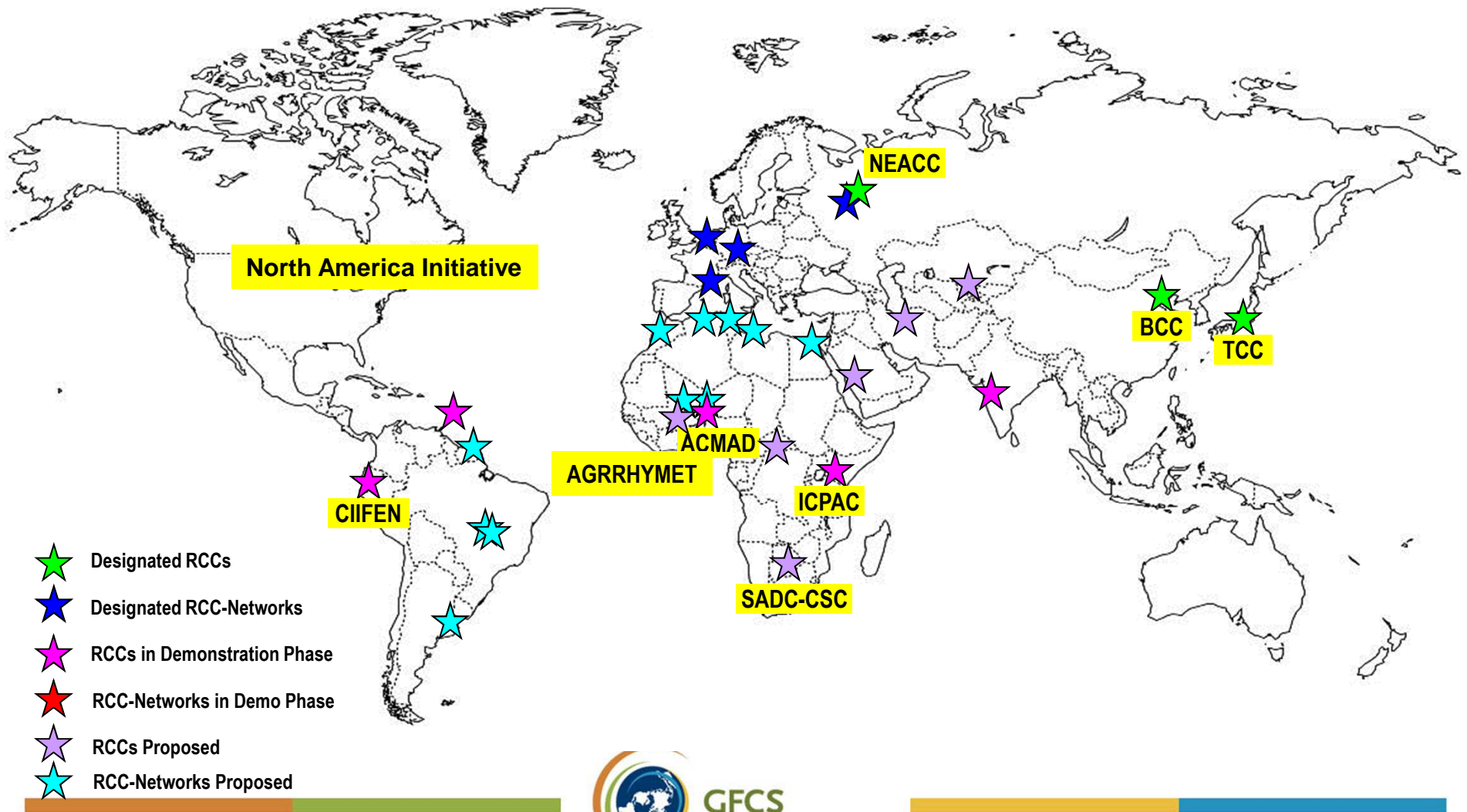
# Domains of Operation of GFCS



# Current Distributors of the Global Producing Centres that support the implementation of the GFCS



# WMO RCC Status Worldwide



# **GFCS Related Partnerships**

**Memorandum of Understandings (MoUs)** signed with:

- IFRC, IUCN, ICID, UNECA, UNITAR

**Partner Advisory Committee (PAC): the mechanism that ensures the effective participation of partners**

- EUMETSAT, FAO, IFRC, IUGG, UNEP, WBCSD, WFP, WMO

**Joint Project Offices**

- WMO-WHO, WMO-GWP, WMO-WFP

**Ongoing discussions with:**

- EC, UNDP, WB, UNFCCC



# GFCS Consultations

These consultations facilitate the identification of critical elements supporting the development of guidelines for the establishment of frameworks for climate services at the national level.

## **Consultations to develop *Regional Frameworks for Climate Services (RCFS)***

- South East Asia (October 2012)
- The Caribbean (May 2013)
- Pacific (April 2014)
- Latin America (28-30 July, 2014)
- South East Europe (22-23 November 2014)
- Middle East (TBD)

## **Consultations to develop *National Frameworks for Climate Services (NFCS)***

- Burkina Faso, Mali and Niger (August 2012)
- Chad (April 2013)
- South Africa (1 August 2013)
- Belize (November 2013)
- Senegal (March 2014)
- Tanzania (7-9 May, 2014)
- Malawi (9-11 June, 2014)
- Dominica (12-13 August, 2014)

# GFCS User Interface Platform (UIP)

Pilot Project Associated with Exemplars in the UIP  
(agriculture, water, health and disaster risk reduction)

## Example:

National Outlook Forum was held in **Mozambique:**

- Brought stakeholders and providers together
- **Assessed user needs** in various sectors
- Clarified the use of products and services **in support of decision-making**

# West Africa UIP Associated Pilot Projects



**UIP Pilot Projects in**  
Burkina, Faso, Chad,  
Mali, Niger, Senegal



- Burkina Faso and Niger Plans of Action
- Mali and Chad Plans of Action – being developed

## **Next steps:**

- Implementation
- Mainstreaming in the National Action Plans (NAPs) process
- Regional Coordinator for the Sahel (with Norwegian Refugee Council and FAO)

# Climate Services Adaptation Programme in Africa

This programme aims to develop user-driven climate services for food security, health, and disaster risk reduction under UIP

## Focus Countries

- **Tanzania** and **Malawi**
- Programme runs for 3 years
- Total budget of **USD 10M**

## Achievements

- Kick off meetings in Tanzania and Malawi
- National consultations in Tanzania and Malawi
- Consolidated activity plan at country level
- Coordination mechanism

## Partners



RESEARCH PROGRAM ON  
Climate Change,  
Agriculture and  
Food Security



International Federation  
of Red Cross and Red Crescent Societies



**World Food Programme**



**World Health Organization**



**NORWEGIAN MINISTRY  
OF FOREIGN AFFAIRS**



# Major Needs

Needs and requirements identified from the initial implementation of the GFCS include the following need for:

- ❑ **standardized and harmonized** observing practices,
- ❑ **data exchange** policies,
- ❑ improved data **management skills**,
- ❑ national data **repositories**, and
- ❑ access to socio-economic data in **standardized format** to assess impacts of climate variability and change on sectors.

## Major Needs (cont.)

**Others Major needs include:**

- 1.Capacity development** of professionals and communities on production and effective application of climate services
- 2.Improved, standardized, and quality controlled **sector monitoring data** that is compatible with environmental and climate information;
- 3.Monitoring and evaluation of the appropriate, **effective, and cost-effective use of climate information** for sector decisions;

## Major Needs (cont.)

4. **Research, modelling and prediction of sector impacts** associated with climate variability and climate change, in collaboration with the climate research community;
5. Development of **decision support tools**;
6. **Development and deployment of Early Warning Systems (EWS)** appropriate to the sector and user communities; and
7. **Better cooperation and collaboration** with the climate community for interdisciplinary policy, practice and research.

# 10 Pre-Requisites for the Establishment of a Framework for Climate Services

- 1) Provide a **strong institutional anchorage** for the Framework for Climate Services
- 2) **Meet the demand for tailored climate service** provision in the priority climate-sensitive sectors in the country (Agriculture & Food security, Health, Disaster Risk Management, Construction/Infrastructure/Transport sector, etc.)
- 3) **Build the capacity of the NHMS** and other technical services to jointly enhance key climate products and services, building on multi-disciplinary knowledge and expertise from each sector



## 10 Pre-Requisites (cont.)

- |    |                                                                                                                                                                                                                                                                    |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4) | <b>Improve the Communication</b> / widespread distribution of Climate Services                                                                                                                                                                                     |
| 5) | <b>Diversify communication channels</b> , use innovative channels to broadcast (aside from TV)                                                                                                                                                                     |
| 6) | <b>Modernize and increase the density</b> of the national-hydro-meteorological observing network                                                                                                                                                                   |
| 7) | Improve <b>collaborative application research geared towards improvement of climate products for</b> customised for exemplars for key sectors that drive socio-economic development defined under the UIP (agriculture, water, health and disaster risk reduction) |

## 10 Pre-Requisites (cont.)

- |     |                                                                                                                                                                                                                                                                                                                                            |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.  | Develop and strengthen the <b>capacity of end-users</b> to further apply and appropriately utilize climate services                                                                                                                                                                                                                        |
| 9.  | <b>Sustain the newly defined Framework</b> for Climate Services at the national level                                                                                                                                                                                                                                                      |
| 10. | <b>Engage all national stakeholders</b> involved in the production, interpretation, communication and utilization of climate services in a national dialogue around climate service provision, to identify country needs and charter a course for the provision of user-tailored climate services at the national and sub-national levels. |

# GFCS Website



**GFCS** GLOBAL FRAMEWORK FOR  
CLIMATE SERVICES

Search this website...



[Home](#)

[About GFCS](#) ▼

[Priority Areas](#)

[Governance](#)

[Partnership](#) ▼

[Projects](#) ▼

[Events](#) ▼

[Documents](#) ▼

[News & Info](#) ▼

✓ Operating in maintenance mode.



**GFCS** provides a worldwide mechanism for coordinated actions to enhance the quality, quantity and application of climate services.

[Previous](#) [Pause](#) [Next](#)

## Priority areas



Agriculture and food security



Disaster risk reduction



Health



Water



Thank you for your kind attention