### United Nations Framework Convention on Climate Change

# Capacity development needs to improve utilization of climate services for adaption

**WMO Side Event** 

Progress with the implementation of the Global Framework for Climate Services (GFCS) Bonn, Germany, 17 May 2012



### **Adaptation the UNFCCC process**



### COP7 (2001):

- Decisions 5/CP.7, 7/CP.7, 28/CP.7, 29/CP.7
- Included: adaptation activities to be supported, LDC WP, NAPA, LEG, LDCF & SCCF



### COP 10 (2004):

Buenos Aires programme of work on adaptation and response measures,
 Decision 1/CP.10



### COP 12 (2006):

 Nairobi work programme on impacts, vulnerability and adaptation to climate change (NWP)



### COP 13 (2007) - Bali Action Plan:

Enhanced action on adaptation under the AWGLCA



#### COP 16 (2010) - Cancún Agreements:

- Cancún Adaptation Framework (CAF): NAP process, W/P on L&D, and the AC
- Extension and expansion of the mandate of the LEG (2011-2015)



### COP 17 (2011) - Durban outcomes:

- Decisions operationalizing elements of the CAF (NAP process, L&D, AC)
- Provisions for the review of the work areas of the NWP



### Climate data needs for adaptation under the UNFCCC

### LDC work programme

- Climate change secretariats;
- Negotiation skills and language;
- NAPAs;
- Awareness;
- Adaptation technologies;
- Hydrometeorological services

## National adaptation programmes of action (NAPA)

Reduce
 vulnerability to
 climate change
 in LDCs by
 addressing
 urgent and
 immediate
 adaptation
 needs

### National adaptation plan process (NAP)

- Build on NAPAs
- Address medium- and long-term adaptation
- Build adaptive capacity and resilience;
- Facilitate integration of climate change into development

## Work programme on loss and damage (L&D)

Consider approaches to address loss and damage associated with climate change impacts in developing countries that are particularly vulnerable to the adverse effects of climate change

## Nairobi work programme (NWP)

 Established to enable countries to improve their understanding and assessment of impacts, vulnerability and adaptation, and to make informed decisions on adaptation

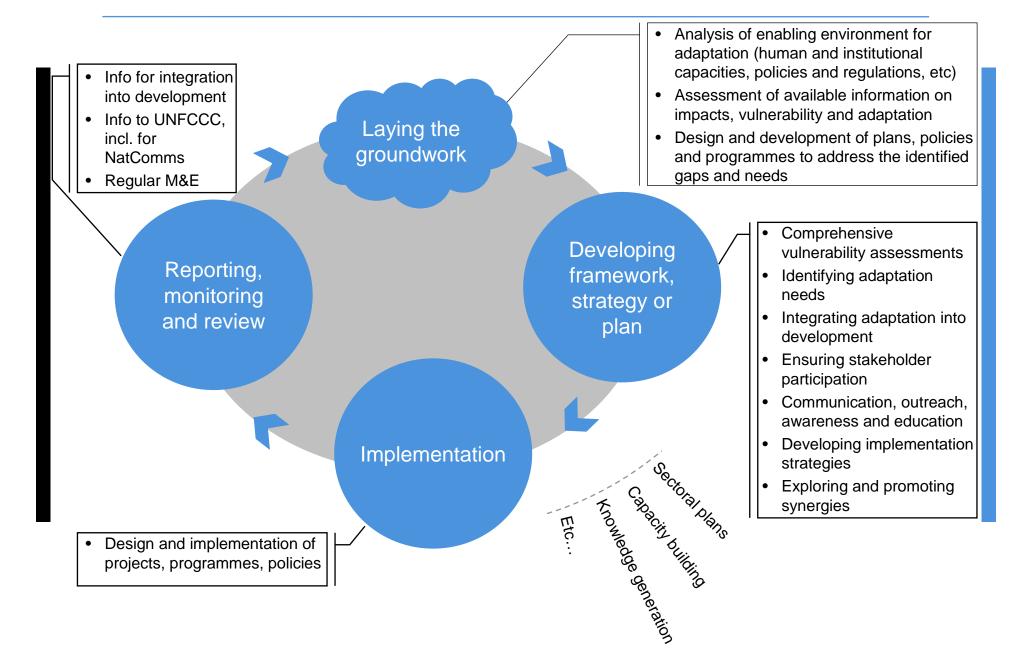
- Normals, extremes, history, variability, trends, etc.;
- Models and tools

- Extreme events:
- Low onset events

Knowledge hub

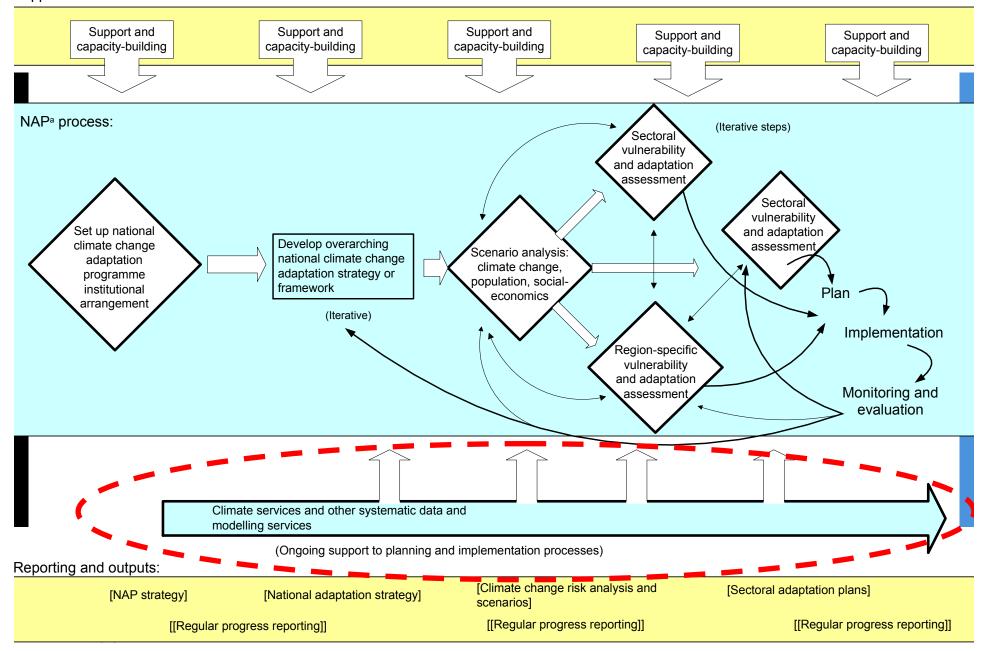


### **Components of the NAP process**



### **Processes within the NAP**

#### Support:



### **Strengthening the capacities of NMHSs**

### Some of the needs identified by the LDCs under the LDC work programme

- Modernization, strengthening and expansion of observational networks and equipment, including remote sensing
- Establishment or upgrading of database management systems
- Strengthening of regional instrumentation and calibration centres
- Development of telecommunications systems
- Forecasting, post-processing and service production systems
  (e.g. wind and solar mapping, climate scenarios and finer grid intervals)
- Strengthening communication to all relevant stakeholders
- Storage and archiving of data and analyses
- Promotion of education studies in the field of meteorology and hydrology, and their applications



### United Nations Framework Convention on Climate Change

UNFCCC secretariat P.O. Box 260124 D-53153 Bonn Germany

Phone: (49-228) 815-1000 Fax: (49-228) 815-1999

E-mail: secretariat@unfccc.int

Web: http://unfccc.int/

http://unfccc.int/adaptation



