UNFCCC Meeting on Nairobi Work Programme

WMO’s Participation in the Nairobi Work Programme

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Articles of UNFCCC relevant to NMHSs

• Article 5
Research and Systematic Observation
• Article 6
Education, Training and Public Awareness
• Article 9
Subsidiary Body for Scientific and Technological Advice (SBSTA)
WMO’s strategy for Climate Change

- **Science and monitoring;**
  - Systematic observation
  - Adequate interpretation of climate projections
  - Understanding of the role of climate in various human activities
  - Climate modelling and prediction

- **Awareness and capacity building;**
  - Climate outlook forums
  - Technological and know-how packages, including training on data rescue and management

- **Enhanced partnerships**

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**Overview of Engagement**

**Main areas relevant to WMO**

- Methods and tools
- Climate data and observations
- Climate modelling, scenarios and downscaling
- Climate related risks and extreme events
- Adaptation planning and practices
- Research and delivery of improved climate products
Reports and Publications

WMO’s Primary Modalities

- Provision of expert advice
- Guidelines & technical inputs to projects
- Organization of technical workshops and seminars
- Taking operational responsibilities for implementation
- Capacity building
WMO with 2 Action Pledges:

a) Climate information, products and services for adaptation - Methods and Tools

Objectives:

- optimize application of user-targeted climate information
- build technical capacity

Delivered:

- 4 meetings (climate & health, energy, tourism, urban planning)

WMO

Overview of Engagement
Overview of Engagement

Delivered (contd.):
• Organized Regional Climate Outlook Forums in all regions every 6 months
  Workshops with WCRP for Polar Regions
  Training courses on climate prediction
• Initiated WB-WMO GFDRR project on climate modelling for adaptation
• Established Open Panel of Experts on Climate Information for Adaptation and Risk Management (Commission for Climatology-CCI)
• Sponsored UNFCCC Expert Meeting in Mexico, 2008 (Methods/Tools/Data/Observations)

Overview of Engagement

b) Regional Frameworks for Adaptation of Agriculture to Climate Change- Planning and Practices

Objectives:
• Improve guidance for adaptation
• Document and disseminate local knowledge

Delivered:
• Held: 2 Regional Symposium and workshops (Bangladesh, Burkina Faso)
• Established: Central forum- CC impacts on Agriculture in South Asia and West Africa
WMO Questionnaire on NWP

Role of NMHSs in Adaptation to Climate Variability and Change- 2008

- **Part A: Policy Role of NMHS**
  Documents, regular meetings, working directly, designated liaison

- **Part B: Role of NMHS in Adaptation**
  Level of priority for adaptation, national strategy for adaptation, sector specific advising services, contribution to NWP, user feedback
WMO Questionnaire on NWP

- **Part C: Gaps and Needs**
  - Is the NMHS a data/service provider on adaptation/mitigation?
  - Is there lack of clear legislation/policies on the role of NMHS?
  - What are limiting factors? (Staff, hardware/software, financial resources)
  - What efforts enhance the role of NMHS? (Advocacy, wider participation, ETR, technical support, etc.)

NHMSs Replied to Questionnaire

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Percentage of Regional Association which Responded
The way Forward

WMO & WCRP submitted 15 new Action Pledges

a) Climate related risks and extreme events (4 pledges)
b) Adaptation Planning and Practices (4 pledges)
c) Data and observations (2 pledges)
d) Methods and tools (3 pledges)
e) Climate modelling, scenarios and downscaling (2 pledges)

Global Framework for Climate Services (GFCS)

- Sets policy framework, technology and practices
- Mainstreams climate science into decision-making
- Provides better climate risk management

Climate observation and monitoring, data collection

Data analysis, information, climate modeling

Predicting climate, climate applications for specific users and sectors

Vulnerability assessment, adaptation

Policy-making, decision-making

Advanced applications

(Consilience) Integration of sciences

Wisdom

Production of knowledge

Understanding process

Global Producing Centres
Components of Global Framework for Climate Services

Users
(Government, Agriculture, Health, Transport, Energy, Tourism, Private sector)

User Interface Programme

Climate Services Information System

Observations and Monitoring

Research & Modelling and Prediction

Climate Services Cycle

Climate Services Information Systems
Delivery of Products
Climate User Interface Programme

Development of information and products
Application of Products

Capacity Building

Research, Modelling and Prediction
Monitoring and Analysis
Observations
Outcomes & Experiences

NWP has promoted:

i) Internal communication among WCP, WCRP and GCOS
ii) Development and dissemination of methodologies (CC Detection Indices, Heat Health Warning, etc.)
iii) Collection, management, exchange, access and use of data
iv) Need for understanding of local impacts
v) Development of joint publications & projects with UNEP, WHO and WB
vi) Highlighted the gap between socio-economic data and climate data sets
vii) Motivated WMO-UNESCO knowledge management project - Web portal
viii) Contributes to UN Delivering as One

Thank you!

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