

World Meteorological Organization

**REGIONAL ASSOCIATION V
(SOUTH-WEST PACIFIC)
MANAGEMENT GROUP
EIGHTH SESSION**

Geneva, 28 June and 2 July 2012



RA V/MG-8/INF. 6(2)

Submitted by: Secretariat

Date: 2.VII.2012

Agenda item: 5

English only

Item 6 Capacity development in Ra V

Strategy of WMO for Capacity Development



World Meteorological Organization
Working together in weather, climate and water

Strategy of WMO for Capacity Development

RAV MANAGEMENT GROUP

2 July-2012

by Rob Masters
Director Development and Regional Activities Department

WMO


www.wmo.int



WMO Strategy for Capacity Development : Why?

Resolution 49 Cg-XVI

- Congress noted that a coordinated and cohesive approach for capacity development is needed to enhance capabilities of **NMHSs in developing countries** to meet growing Societal Needs at different levels.
- Capacity Development is a crosscutting activity and contributes to all Expected Results (ER), especially **ER 6** and **Strategic Thrust 3** of the 2012-2015 Strategic Plan.
- Requested EC to establish a CD Strategy to ensure, in a holistic approach, all actors in Met/Hydro/Climate work towards the same overall objective : **Facilitating sustainable development of NMHS**

		5 Strategic Thrusts	8 Expected Results
 3 Global Societal Needs	Strategic Plan 2012-2015	Improving Service Quality and Service Delivery	1. Enhanced capabilities of Members to deliver and improve access to high-quality weather, climate and water and related environmental predictions, information and services in response to users' needs and to enable their use in decision-making by all relevant societal sectors
			2. Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate and water and related environmental elements
		1. Improved protection of life and property (related to the impacts of hazardous weather, climate, water and other environmental events and increased safety of transport on land, at sea, and in the air)	Advancing Scientific Research and Application as well as Development and Implementation of Technology
2. Poverty alleviation, sustained livelihoods and economic growth (in connection with the Millennium Development Goals) including improved health and social well-being	Strengthening Capacity-building	4. Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable Earth-and space-based systems for weather, climate and hydrological observations, as well as related environmental observations, based on world standards set by WMO	
3. Sustainable use of natural resources and improved environmental quality	Building and Enhancing Partnerships and Cooperation	5. Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and environment science and technology development	
	Strategic Thrust n3 Expected Result n6	6. Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfill their mandates	
		7. New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategies	
		Strengthening Good Governance	8. An effective and efficient Organization



Roles of National Meteorological Services

- NMHSs own and operate most of the infrastructure that is needed for providing the weather, climate, water and related environmental services, including observing systems, data management, prediction, communications and data exchange, etc.
- Many NHMSs lack institutional, infrastructure, HR, procedural resources
- Interdependence in Regional and Global Context

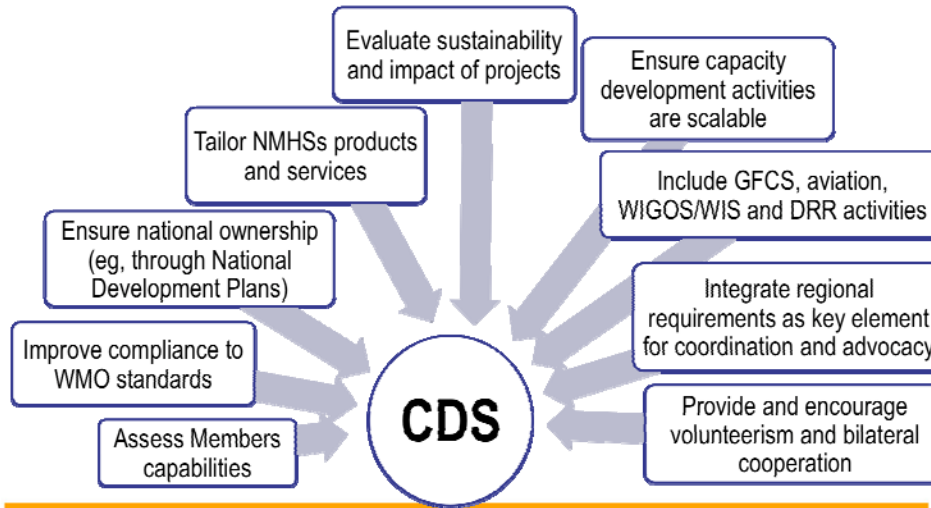





4



Areas to be considered by CDS from Resolution 49 (Cg-XVI)

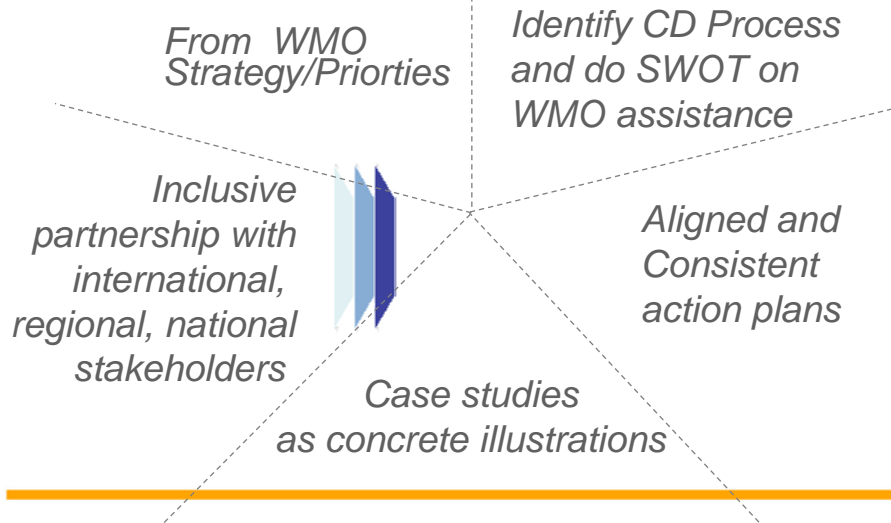


EC Working Group on Capacity Development meeting December 2011 in Geneva





Development of CDS

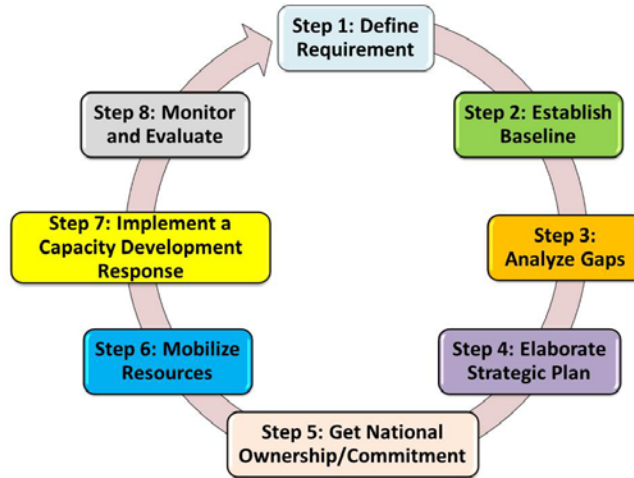


EC-WG/CD Outcomes

- WG agreement on WMO Cap/Dev process (8 Steps)
 - SWOT on WMO's contribution to Cap Dev of NMHSs
 - Consider 10 Case studies in light of SWOT and 8 Steps
 - Considered tools to help manage CD and monitor baseline and progress (Role&Op Guide, CPDB, Survey, etc)
 - Considered proposals for strengthening program elements (RO, LDC, ETR, RMO)
 - Special side-meeting focus on 2 priority areas (GFCS and WIGOS: regional aspects and cooperation with Technical Programs)
 - Agreed on outline and approach to drafting CDS
 - Proposal to EC to amend WG Terms of Reference
-



Recalling the CDS process



SWOT

Issues

Strategic Approach

Strategy Elements

Implementation Plan

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Conformity to WMO specifications by Members	Need to conduct country-wide assessments of the capabilities of NMHS.	Compliance framework, incentive systems	Development of capacities in strategic planning	National Ownership and commitment to CD initiatives to ensure long-term sustainability	WMO has international credibility to reach donors effectively and efficiently	Overall coordination of actions in capacity development implementation by WMO's DRA	Integration of relevant WMO initiatives in the CDS
Making available and use of expertise of other countries to help defining national requirements	Need for harmonized framework for assessing baseline	Use of WMO platforms, such as TIC and FAs to enhance gap analysis of NMHS.	Integration of WMO priority areas in NMHS strategic plans	Outreach and participation of national policy-makers in WMO activities	Making available success stories as sales tool	Development of capacities in project implementation and management	Engaging and implementing the WMO/UNE system in the CDS to measure progress
Identified and clear set of technical requirements by WMO for operators of NMHS.	Need for improvement in quality and response rate	Process of teaching/learning process	Need for consistent approach to development of sub-regional and national strategic plans	WMO conferences (WCC, WDCOME) calling for national government enhanced partnership with NMHS.	WMO co-sponsored programmes enhances access to external funds	Integration of WMO priority areas in national strategic plans and ensure implementation.	Need for M&E plan implemented in CDS
Skilled personnel such level of technical requirements	Need for establishing network of qualified experts	Need for establishing network of qualified experts	Need for establishing network of qualified experts	Description of the services provided by NMHS among and across to other relevant national institutions and particularly the decision makers in charge of NMHS.	Need for better coordination and enhanced coordination with partners	Need for establishing network of qualified experts with skills in project management	Need for M&E plan implemented in NMHS
Need for guidance in defining national requirements	Use of the global information system accurate baseline	Need for local resources (human, material, institutional)	Ability of NMHS and institutional arrangement in level of NMHS	Need for increased interactions and connectivity to other relevant national institutions and particularly the decision makers in charge of NMHS.	WMO's DR/ARMO providing access to external funds	Need to develop NMHS leadership and management capacities	Need for M&E tool kit
Use of global user requirements in national requirements setting	Use of the ICTs infrastructure to share and disseminate the information and knowledge	Need for better coordination	Integration of NMHS strategies into National Development Plans	Require recognition of the role of NMHS in implementing such international agreements	Building new business model for NMHS	Making available and use of new good examples	Need for upgrading M&E in all services by NMHS
Building partnerships with other organizations to improve understanding of global user requirements, CDS requirements for QMS and frequency certifications (Summit)	WMO to coordinate with partners in Weather, Water and Climate to establish expanded baseline on global issues the baseline	Use of global standards and partnerships for analysis	Outreach and communication	Outreach and communication	Making available of success stories	Need for guidance in implementing strategy	Need to establish a culture of transparency and accountability
Need of WMO liaison and coordination with partner organizations	Problems in communications	Regular outreach and communication for recognition by governments of economic input of NMHS services	Work coordination with partners and organizations resulting in duplication of efforts and confusion in terms of assistance to NMHS in developing a strategic plan	Development of advocacy actions at national level	WMO accreditation of implementing agency to the GEF Education Funds	Need for sustainable capacities implementation	Need for enhanced management skills in project management and oversight
Mission creep and/or overlapping mandates resulting in duplication of efforts and confusion	Intelligence to gain information by NMHS regarding existing capacity level and result of national assessment and duplication of CD initiatives.	Workshop assessments at national level to accurately identify gaps.		Use use of opportunity	Competition in getting funds with other implementing actors		
				Clearly defined "vision of five" of NMHS in national setting	Need for better coordination with stakeholders		
				Enhanced regional framework for backup in case of fallowdown of resources by a nation	Need for a strategy approach to leading agencies		



• **Example of concrete tool to implement : The country profile Database**

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
...
...
...
...
...
...
...
...
...

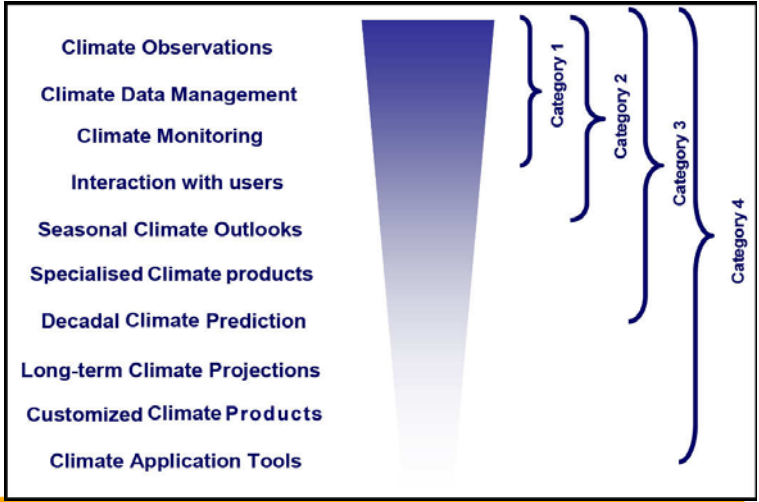
- ⇒As to ensure an **optimized knowledge management** system within the NMHS community and:
- Follow the status and development needs of Members
 - Improve planning, implementation and monitoring of WMO related projects and activities
 - Promote synergies between Members, the secretariat, cooperating partners, funding agencies and other stakeholders
 - Develop a Monitoring and Evaluation plan

[Country Profile Database \(CPDB\) Project](http://www.wmo-sat.info/~wisuser/cpdb/)
<http://www.wmo-sat.info/~wisuser/cpdb/>



Levels of services categories
 NMHSs to provide 4 different climate services levels

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

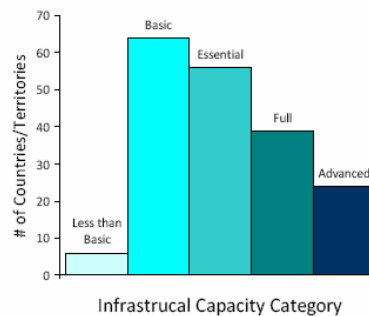




Profile of climate service providers

- Many countries lack the infrastructural, technical, human and institutional capacities to provide high-quality climate services.

Infrastructural Capacities of Countries as of Aug 2010 to provide Basic, Essential, Full and Advanced Climate Services.



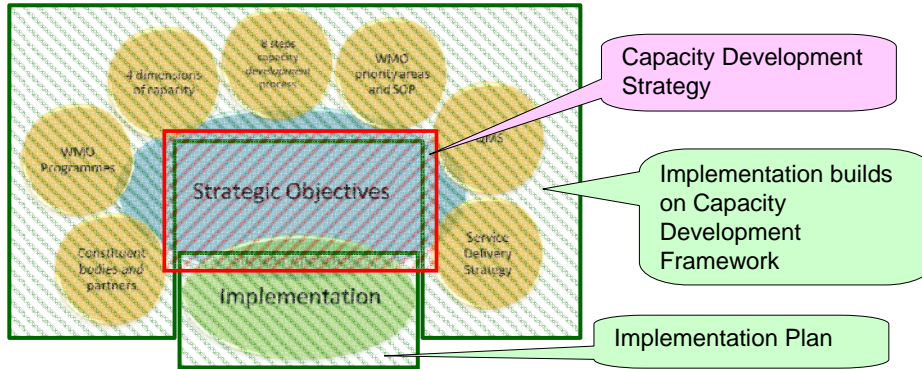
4 areas of competencies in Capacity Development *(as articulated by HLT-GFCS)*

- **Human resource** capacity
 - equipping individuals with the understanding, skills, information, knowledge and training to enable them to generate, communicate and use decision-relevant climate information;
- **Infrastructural** capacity
 - enabling access to the resources that are needed to generate, archive and use climate data and decision-relevant information, including observing networks, data management systems, computer hardware and software, internet, manuals and scientific literature;
- **Procedural** capacity
 - defining, implementing and advancing best practices for generating and using climate information;
- **Institutional** capacity
 - elaborating management structures, processes and procedures that enable effective climate services, not only within organizations but also in managing relationships between the different organizations and sectors (public, private and community, including international collaboration).



Capacity Development Strategy (CDS) and its Implementation Plan

EC-WG/CD developed the draft CDS and draft Implementation Plan based on the outcomes of its first meeting. PTCs and PRAs also had an opportunity to comment on the CDS and its Implementation Plan.



WMO EC Working Group on Capacity Development



Capacity Development Strategy (CDS)



WMO CDS

4 page document

Chapters of CDS:

1. Introduction
2. Strategy
 - 2.1 Vision and Mission
 - 2.2 Strategic Objectives and Strategic Approaches

WMO EC Working Group on Capacity Development



Vision

WMO Capacity Development Strategy

Capacity Development Vision

Stronger NMHSs to meet society's need for information on weather, water and climate for the safety and well-being of people throughout the world



Mission

WMO Capacity Development Strategy

Capacity Development Mission

To facilitate a holistic and integrated approach to sustainable Capacity Development of NMHSs especially in developing countries, LDCs and SIDSs through: advocacy, Education and Training, Outreach, Partnerships and Resource Mobilization, Demonstration and pilot projects, Service Delivery and Research.





Strategic Objectives

WMO Capacity Development Strategy

Objective 1: Define required capacities and identify deficiencies

Objective 2: Increase visibility and national ownership

Objective 3: Optimize Knowledge Management

Objective 4: Reinforce Resource Mobilization and Project Management

Objective 5: Strengthen Global, Regional and Sub-Regional Mechanisms

Objective 6: Increase Education and Research Opportunities



Strategic Approaches

WMO Capacity Development Strategy

Objective 1: Define required capacities and identify deficiencies

- 1.A: Emphasize compliance with WMO technical requirements to address priorities
- 1.B: Assist countries in identifying deficiencies of the NMHSs
- 1.C: Encourage development of services to address specific user needs
- 1.D: Establish modalities for partner and stakeholder engagement

Objective 2: Increase visibility and national ownership

- 2.A: Emphasize socio-economic benefits of services provided by NMHSs to decision makers
- 2.B: Assist NMHSs to incorporate requirements into national policy, legislative frameworks and national development plans
- 2.C: Enhance outreach to end users and decision makers
- 2.D: Develop leadership and management capacities
- 2.E: Reinforce national support to meet societal needs for weather, climate and hydrology services





Strategic Approaches

WMO Capacity Development Strategy

Objective 3: Optimize Knowledge Management

- 3.A: Enhance mechanisms for collecting and sharing of up-to-date information relating to NMHSs development
- 3.B: Share best practices and success stories relating to the development of NMHSs
- 3.C: Enhance communities of practice dealing with the development of NMHSs

Objective 4: Reinforce Resource Mobilization and Project Management

- 4.A: Enhance coordination and actively explore new funding opportunities and develop proposals through dialogue with stakeholders and development partners
- 4.B: Enhance capacity to develop, implement, monitor and evaluate projects
- 4.C: Encourage innovative voluntary and bilateral cooperation



Strategic Approaches

WMO Capacity Development Strategy

Objective 5: Strengthen Global, Regional and Sub-Regional Mechanisms

- 5.A: Strengthen the work of global and regional centres
- 5.B: Strengthen global, regional and sub-regional mechanisms to provide support for weather, climate and hydrological services

Objective 6: Increase Education and Research Opportunities

- 6.A: Improve access to and provision of fellowships
- 6.B: Strengthen applications of research findings





Example of Key Activities

Implementation for CDS

Strategic Objectives	Strategic Approaches	Key Activities	WMO SOP 2012-15 Key Outcome	WMO SOP 2012-15 Key Performance Indicator
Objective 1: Define required capacities and identify deficiencies	1A: Emphasize compliance with WMO technical requirements to address priorities	<ul style="list-style-type: none"> clarifying WMO standards, technical requirements, practices and priorities compiling compliance reports organizing training activities 	6.3: Education and training development activities at national and regional levels are improved, especially in developing and least developed countries	6.1.2: Number of NMHSs with programmes and networks for collaborating on service delivery at regional levels 6.6.2: Number of NMHSs with modernized capacities to develop and disseminate products to their customers
	1B: Assist countries in identifying deficiencies of the NMHSs	<ul style="list-style-type: none"> organizing stakeholder fora to guide national and regional requirements process and to show global interdependence organization of national, regional users' events developing guidance material on the role and operation of NMHSs country assessments and independent analysis, 	6.1: Visibility and relevance of NMHSs and Regional Centres in regional and national development agendas is improved, particularly in developing and least developed countries	6.1.2: Number of NMHSs with programmes and networks for collaborating on service delivery at regional levels



WMO EC Working Group on Capacity Development



Implementation Plan

- This part will come in a form of an action plan using for example the 5W+2H model (*Who does What for When, Where, How and How much does this action cost? Saying that the «for What» column = strategic objective mapped in the CDS linked to WMO SOP*)
- Finalized in 2012, with broad consultation within Secretariat, EC-CD, IPM, and Members



THANK YOU
