

Global Framework for Climate Services Regional and National Respond

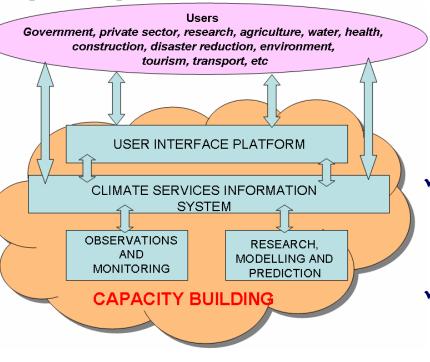
Ivan Cacic President of the RA VI (Europe)



Global Framework for Climate Services

2009

WCC 3 initiative for the Global Framework for Climate Services (GFCS) – vehicle for the realization:



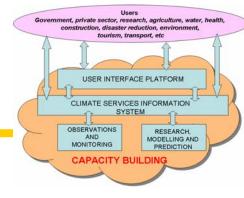


- Proper planning with the climate change background
- ✓ Unified production and interchange of the climate information



Global Framework for Climate Services - Vision



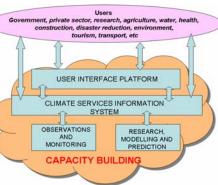


Establishment:

- Global system routine production and electronic interchange of climate data and products
- Capacity building basic climate service capacities and strategies, particularly for vulnerable countries with the small capacities
- Initial package of the scientific products, protocols,
 tools and services basis for the user needs
- Governance mechanism on development of climate services particularly trough the stakeholders, users and new resources involvement and mobilization



Global Framework for Climate Services - Implementation

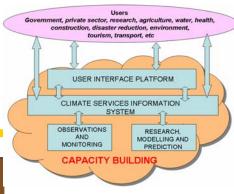


	Financial period 2012 — 2013 (USD x million)	Financial period 2014 — 2017 (USD x million)	Financial period 2018 — 2021 (USD x million)
Strengthen national capacities	1 to 2	52.5 to 64	50 to 60
Strengthen regional capacities	1 to 2	76 to 96	80 to 94
Improve the reliability of observing stations	1 to 2	54 to 60	28 to 40
Implement a management capability	2 to 4	13 to 16.4	13 to 16.4
TOTAL	5 to 10	195.5 to 236.4	171 to 210.4



Global, regional, national levels

Scale Data and pr	oduct flows	Framework elements	Feedback and demand	Governance
Global Global centr and process generated d produce and data and pro	nationally ata and I distribute	Observations Research Information system User interfacing Capacity development Products	Responds to globally expressed needs from stakeholders at all levels, both suppliers and users	Inter- governmental through United Nations mechanisms
Regional Some region nodes and s regional coll exchange of products.	ome within- ection and	Observations Research Information system User interfacing Capacity development Products	Responds principally to stakeholders within the region, particularly national organisations	Regional intergovernmental organisations
National Source of all data and pro within-count for exchange countries	oducts, for try use and	Observations Research Information system User interfacing Capacity development Services	Primary focus on national needs, relationship with users and feedback on requirements.	Nationally determined





Priorities of the Region VI



- RA VI stated priority to play a major role in the Global Framework of Climate Services (GFCS)
 - ✓ RA VI Network of Regional Climate Centres (RCCs) establishment has been initiated
 - Regional implementation plan targeting the Network by the end of 2011 has been endorsed
- RA VI RCC Network structure includes three nodes each node supported by a consortium of NMHSs with one of them identified as the lead institution
- DWD, Germany, will take over the overall coordination of the WMO RA VI RCC Network





Priorities of the Region VI



RA VI Pilot Regional Climate Centre Network (Focal Point - DWD, Germany) RA VI RCC Node on RA VI RCC Node on RA VI RCC Node on Long-Range **Climate Data Climate Monitoring** Forecasting LEADING CENTRE: LEADING CENTRE: LEADING CENTRE: KNMI DWD Météo-France Netherlands Germany France LEADING CENTRE: Météo-France Armstatehydromet Roshydromet France Armenia Russian Federation Meteorological Service (OMSZ) Norwegian Meteorological Institute Météo-France Hungary France Norway Republic Hydrometeorological Norwegian Meteorological Institute KNMI Service of Serbia (RHMS) Norway Netherlands Serbia Republic Hydrometeorological Republic Hydrometeorological Turkish State Meteorological Service Service of Serbia (RHMS) Service of Serbia (RHMS) (TSMS) Serbia Serbia Turkey Swedish Meteorological and Turkish State Meteorological Service Hydrological Institute (SMHI) (TSMS) Sweden Turkey Turkish State Meteorological Service The RA VI Pilot Regional Climate Centre Network is (TSMS) established by Resolution 1 (XV-RA VI), WMO-No. 1046 Turkey

Ivan Cacic



Respond by the sub-region

Informal Conference of the South Eastern European NMHS Directors, Istanbul, Turkey, September 2010

ICEED10-Decision 05

To strengthen the cooperation between countries concerning the provision of the climate services including the VRCC activities under the Pilot phase of WMO RA VI RCC Network



Respond by the NMHSs

- Strengthening of climate observation and forecasting
 - ✓ Meteorological, hydrological and air quality station network upgrade (completion, automatization and observation control)
 - ✓ Computer and telecommunication upgrade
 - ✓ Human resources strengthening (fulfilment and profiling)
- Establishment of the National Climate Centre / Service



NMHS / National Climate Centre Mission

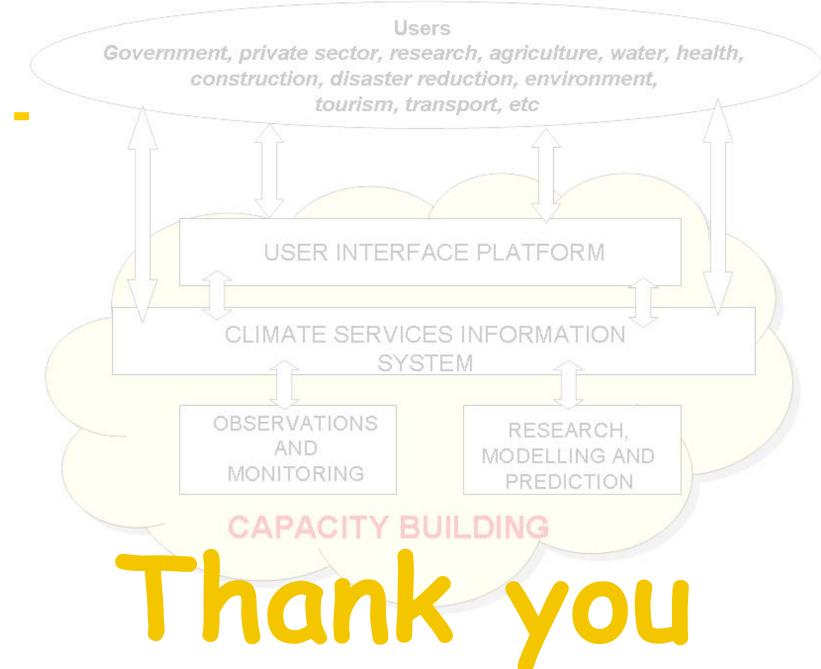
 Support - the strategic planning of all climate sensitive economic sectors and security systems

(food production, energy and water management, health protection, demographic changes, political stability)

 Support - the adaptation on extreme weather, hydrological and related phenomena

(floods, droughts, severe winds and storms, forest fires, heat waves, sea level rise, ...)





Expert Workshop "SEE Research Framework in Regional Climate Modeling for 2012-2017" Belgrade, April 11-13, 2011