



Role of a Global Framework for Climate Services (GFCS) in Sub-regional Cooperation

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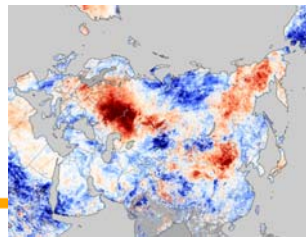
Decisive role of SEE partnerships

- ✓ **6th Ministerial UNECE Conference “*Environment for Europe*” (Belgrade, October 2007)**
 - ✓ **Belgrade Initiative on Climate Change**
 - **SEE Climate Change Framework Action Plan (SEE/CCFAP)**
 - **SEE Sub-regional Virtual Climate Change related Centre (SEE/VCCC) in Belgrade**
 - ✓ **South East European Climate Change Action Plan for Adaptation (SEE/CCFAP-A) (Sarajevo, Nov. 2008)**
 - ✓ **South Eastern Europe Disaster Risk Mitigation and Adaptation Programme (SEEDRMAP)**
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NMHSs role in communicating weather & climate services & contributing to disaster risk reduction

- ✓ Key role of the National Meteorological and Hydrological Services (NMHSs)
- ✓ Disaster risk reduction
- ✓ Severe weather warnings & advisories
- ✓ Supporting community response measures
- ✓ Nuclear, biological and chemical (NBC) pollutant dispersion monitoring/prediction





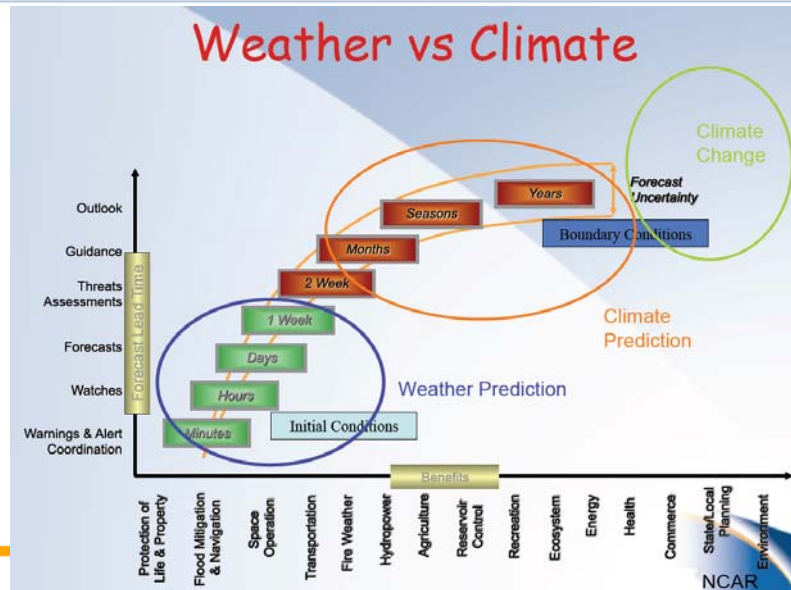
Communicating weather & climate services contributes to extend their benefits to all socioeconomic sectors

- ✓ **Madrid Conference (2007)**
- ✓ **Examples: Agriculture & food security, health, water resources management, transport, tourism...**



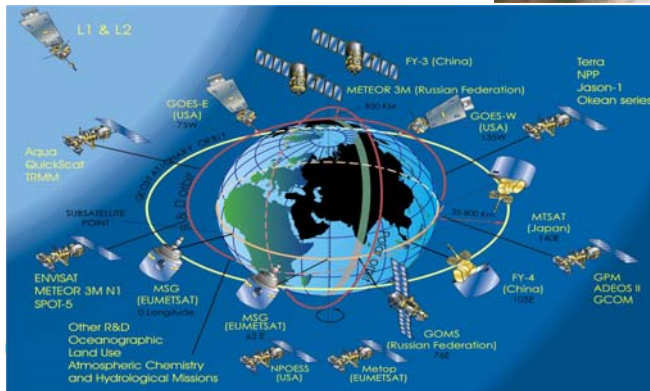


A seamless transition from weather to climate prediction





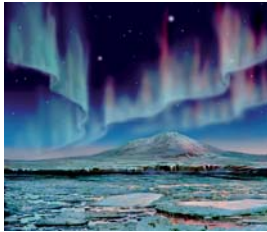
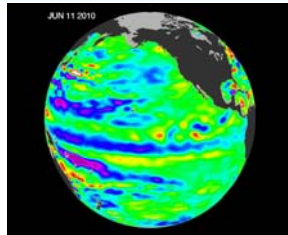
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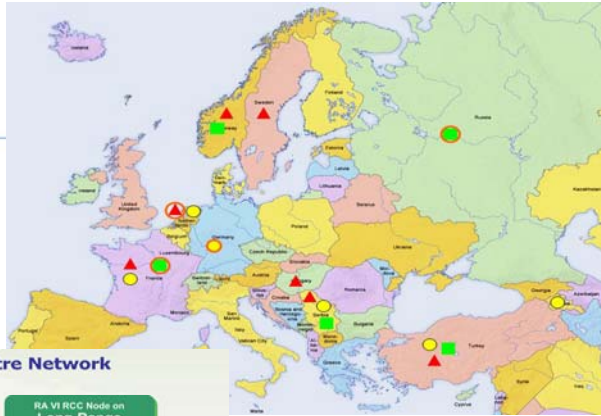
Need for authoritative research

- ✓ Scientific partnerships
- ✓ Assessments
- ✓ Authoritative studies
- ✓ Statements





WMO RA VI (Europe) Regional Climate Centre Network



RA VI Pilot Regional Climate Centre Network (Focal Point – DWD, Germany)

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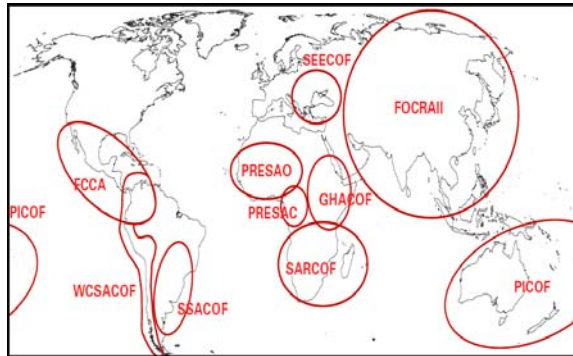
The RA VI Pilot Regional Climate Centre Network is
established by Resolution 1 (XV-RA VI), WMO-No. 1046

✓ WMO RCCs
to become
key GFCS
components



South Eastern Europe Climate Outlook Forum (SEECOF)

- ✓ The 1st European Regional Climate Outlook Forum
- ✓ SEECOF-I (Zagreb, June 2008)
- ✓ SEECOF-II (Budapest, Nov. 2009)
- ✓ SEECOF-III on-line, summer 2010
- ✓ SEECOF-IV (Belgrade, Nov. 2010)



- ✓ Participants: Albania, Armenia, Azerbaijan, Bosnia, Bulgaria, Croatia, Cyprus, the former Yugoslav Republic of Macedonia, Georgia, Greece, Hungary, Israel, Moldova, Montenegro, Rumania, Serbia, Slovenia & Turkey



A historic event: WCC-3 (31 August-4 September 2009)



- ✓ 1st WCC (1979)
- ✓ 2nd WCC (1990)
- ✓ WMO Cg-XV decision (2007)
- ✓ Key outcome: A HLT to prepare a Report with recommendations for GFCS development





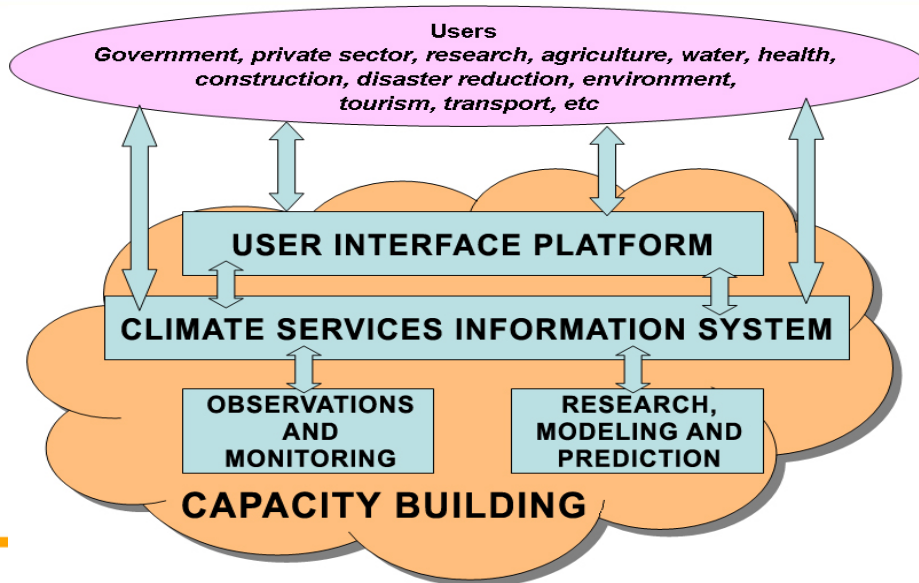
8 implementation principles



- ✓ **Prioritize capacity building for developing countries**
 - ✓ **Greater availability of climate services for all countries**
 - ✓ **3 geographic domains: global, regional and national**
 - ✓ **A core GFCS element: operational climate services**
 - ✓ **Governments to have a central role in GFCS management, but each country will decide just how**
 - ✓ **Free and open exchange of observational data, while respecting national and international data policies**
 - ✓ **To facilitate and to strengthen, but not to duplicate**
 - ✓ **Based on user – provider partnerships which will include all major stakeholders**
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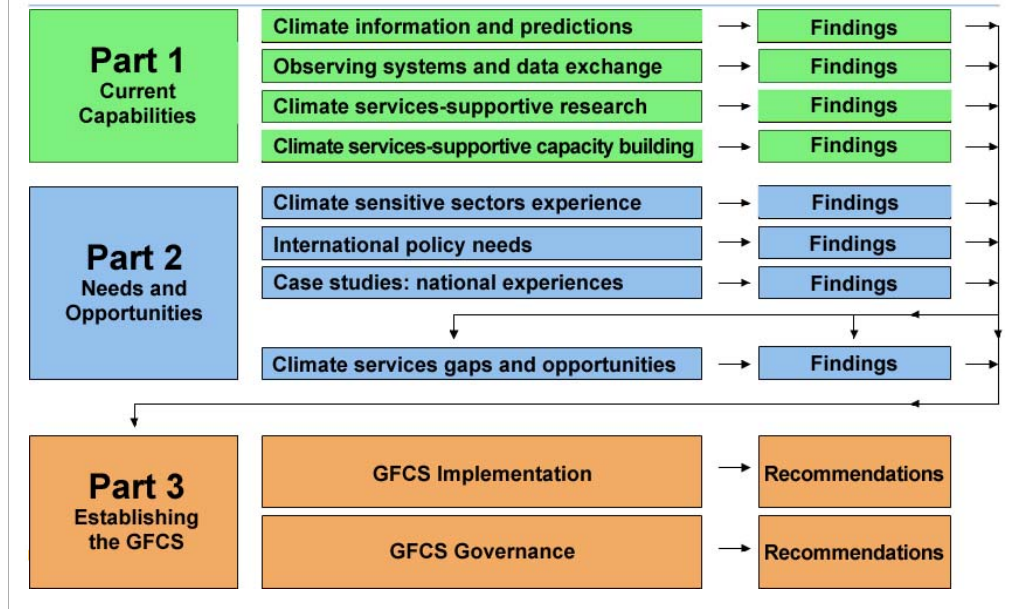


GFCS recommended structure



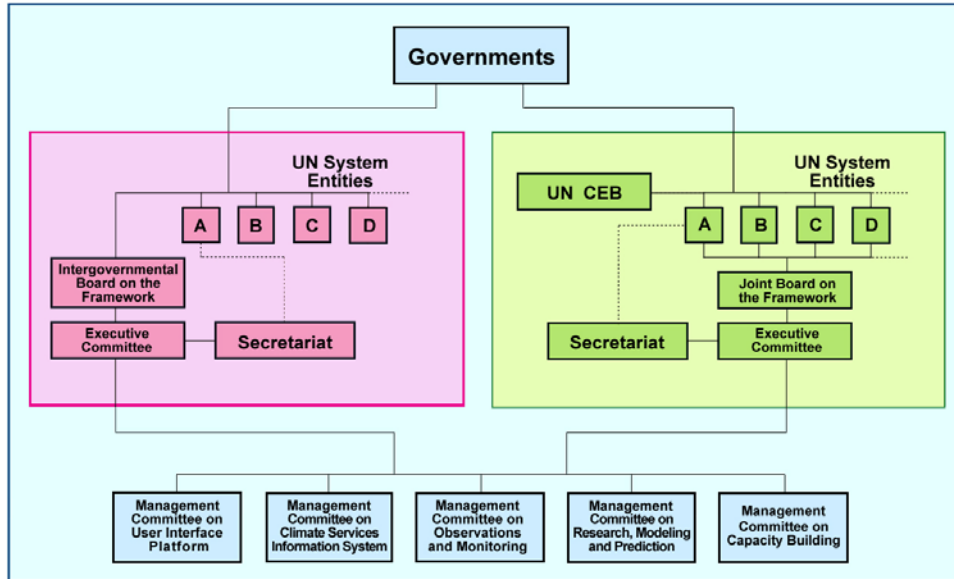


HLT report structure





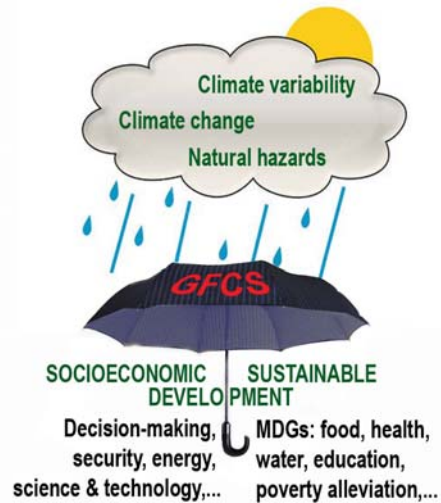
Governance proposals





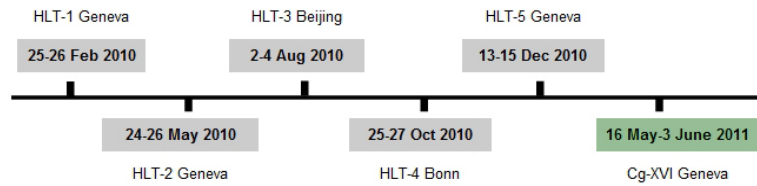
Initial GFCS priorities

- ✓ Although the GFCS will progressively support all key socioeconomic sectors, for the first 4 years the HLT has proposed to prioritize:
 - Agriculture
 - Disaster risk reduction
 - Health
 - Water
- ✓ These sectors are interconnected





Next steps in GFCS development



- ✓ By end 2011 a detailed implementation plan and inaugural Intergovernmental plenary meeting
- ✓ By end 2013 the organizational phase to be completed, including a secretariat & management structures
- ✓ By end 2017 global access to improved climate services for selected priority sectors
- ✓ By end 2021 improved climate services globally across most climate-sensitive sectors

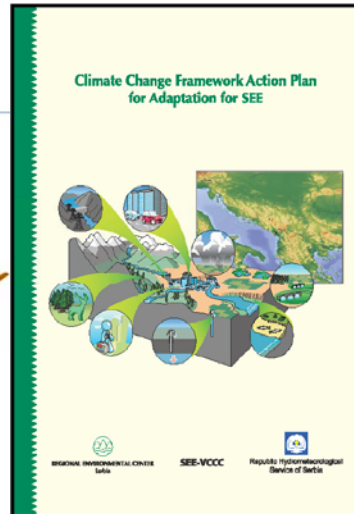


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Summing up

- ✓ **International cooperation & Multidisciplinary partnerships**
 - ✓ **Complementary roles of government, research, academia, private sector, the media,...**
 - ✓ **Effective incorporation of adaptation best practices**
 - ✓ **2 correlated issues:**
 - **Climate variability and change adaptation**
 - **Disaster risk reduction**
 - ✓ **Enhanced capacity building at all levels**
 - ✓ **A key priority for WMO XVIth Congress (May 2011)**
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Thank you

