





WMO RA VI RCC Network contribution





What are Regional Climate Centres (RCCs)?

RCCs are **Centres of Excellence** that **assist WMO Members** in a given region to deliver **better climate services and products** including regional long-range forecasts, and to strengthen their capacity to **meet national climate information needs**.

- WMO-mandated activity
- → Regional component of the Global Framework for Climate Services (GFCS) Climate Service Information System (CSIS)
- Users: NMHSs, RCOFs and other RCCs (end users are customers of the NHMSs)

RCC in the RA VI:

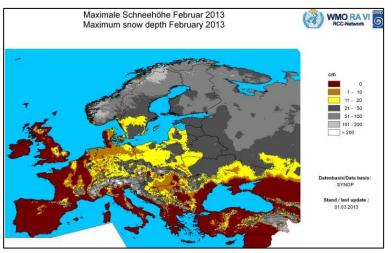
- → Poll in 2008 led to product portfolio (fixed in the implementation plan)
- → Pilot network 2009-2012; 3 nodes; each node formed by a consortium
- CBS XV (09/2012): approval of nomination of the pilot RCC network to become the WMO RA VI RCC Network
- → Resolution 4.3/1 (EC-65) in May 2013 (RCC to be assigned as an RSMC of WMO)



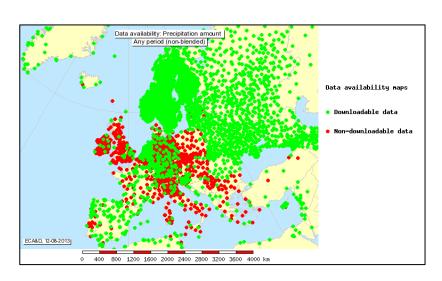


WMO RA VI RCC Network

- RCCs provide regional-scale tailored climate services on
 - Climate Data
 - Climate Monitoring
 - Climate Outlook and projections



Example product: Maximum snow depth, a DWD contribution to the RCC-CM



Example product: Data availability for precipitation amount in ECA&D , the KNM contribution to RCC-CD





WMO RA VI RCC Network in Europe

RA VI RCC Network



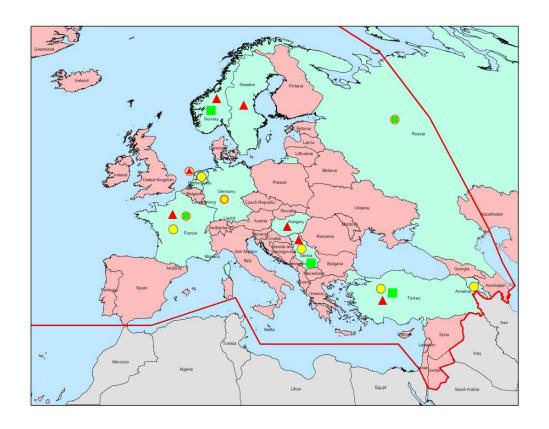
RCC on Climate Data (red):
 France, Hungary, Norway,
 Serbia, Sweden, Turkey;
 lead: The Netherlands



lead: Germany



RCC on Long-range
Forecasting (green):
Norway, Serbia, Turkey;
lead: France, Russian
Federation







WMO RA VI RCC Network Product summary

- RCC Network De Bilt Node on Climate Data Services (RCC-CD):
 - various data sets for Europe, both station data and gridded data (ECA&D, MILLENNIUM, ENSEMBLES, BALTEX, SHARK), indices and various subregional data sets;
 - Services: Archiving functions, data management & visualisation tools.
- RCC Network Offenbach Node on Climate Monitoring (RCC-CM)
 - Maps and gridded data for reference climatologies, anomalies, indices, trends, statistics;
 - reports, significant weather event data base, Climate Watch Advisories.
- RCC Network Toulouse and Moscow Node on Long-range Forecasting (RCC-LRF)
 - Maps and graphs on model performance, gridded data;
 - Seasonal forecast bulletins, seasonal outlooks, consensus statements, model verification.





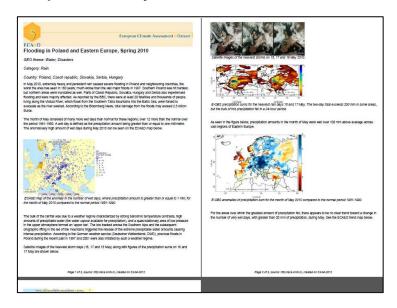


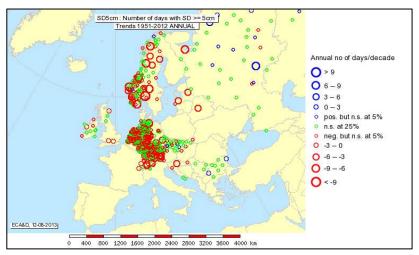


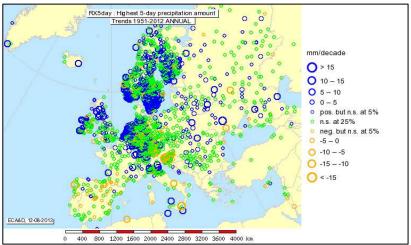


RCC-CD product examples

- Reports on extreme events
- Data sets for download
- Maps of daily data









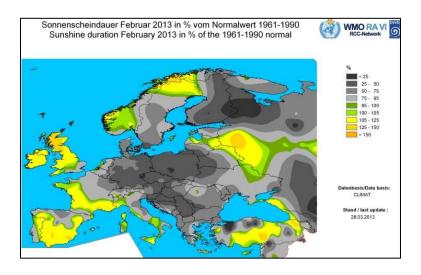


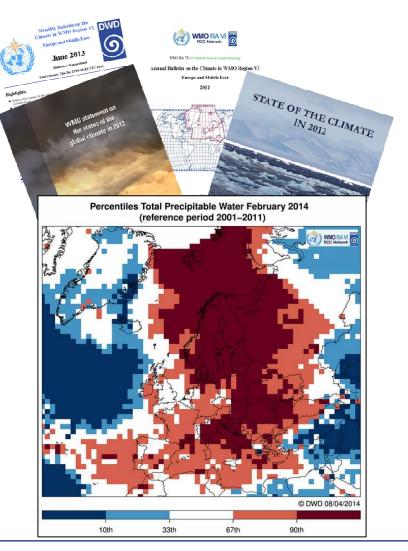




RCC-CM products in general:

- Maps, including from satellites
- Gridded data sets for download
- Documentation of significant events
- Monthly and annual reports
- Climate watches











Composite probabilities of categorical forecast outcomes for T2m seasonal anomalies. Producer: HMC+MGO Forecast period: August_September_October_2013



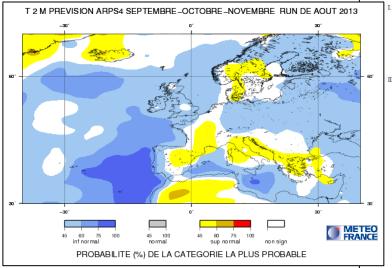


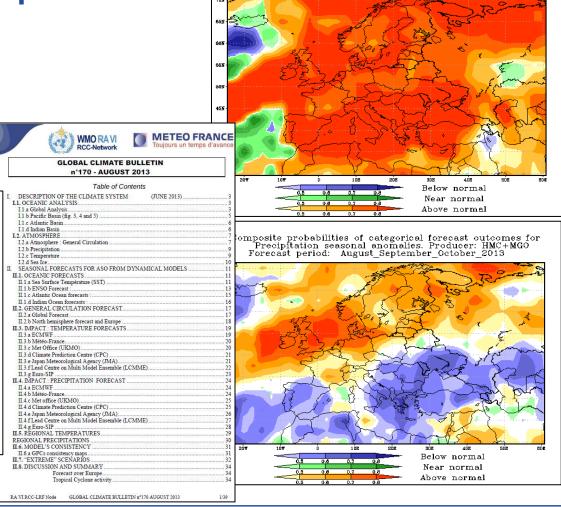
RCC-LRF product examples

Monthly global bulletin

 Global and regional seasonal prediction maps

Climate outlook



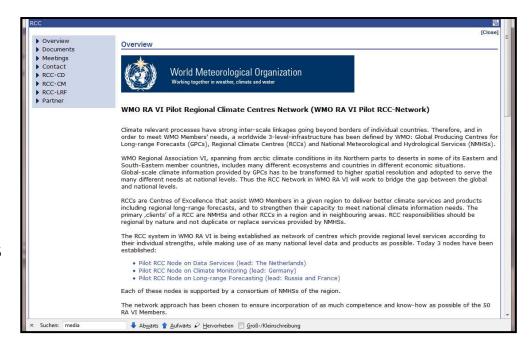






Access to RCC Network information and products

- Website http://www.rccra6.org
- General description
- Links to
 - Documents
 - Meeting information
 - Contact details
 - Links to all RCC nodes, including product catalogues

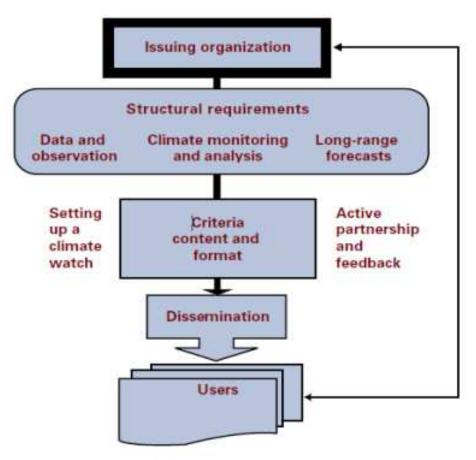






Climate Watch System in RA VI

- Goal: efficient monitoring and warning against extreme climate events
- Task: provides advisories and statements to inform users about evolving or foreseen climate anomalies at the regional and national levels, thus allowing them to make informed decisions.
- Use: RCC forecast and monitoring products
- RCC-CM send out advisories to the national services, they send tailored advisories /warnings to the end-users

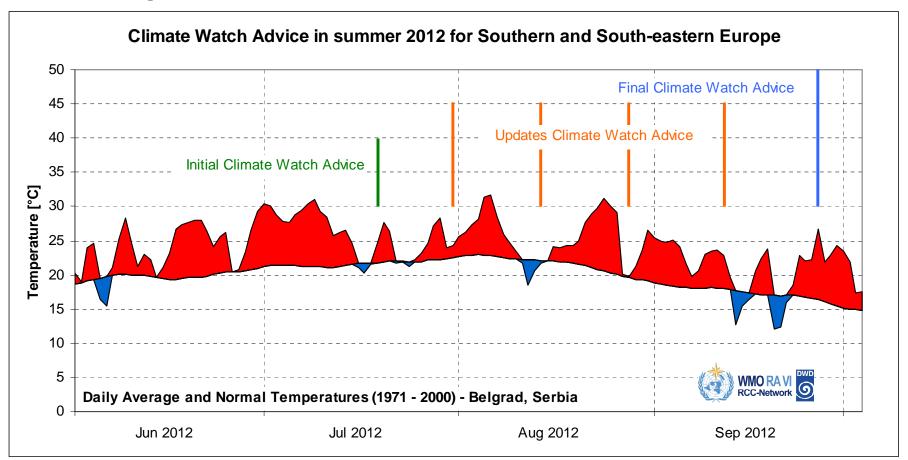


How to develop a climate watch system





RCC-CM products: Climate Watch Advice







Thank you for your attention!

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