The Second Assessment of Transboundary Rivers, Lakes and Groundwaters: Maps and graphics

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About the approach

• More content presented in the form of maps and graphs (expressive, adds to the effect of communication)

• Figures provided by the countries used; if gaps remain in information necessary graphs > filled from selected datasets (LandScan, GlobCover, GRDC database)
Types of maps and graphics

1. Overview maps showing the transboundary waters (European & Asia part)
2. Maps of transboundary aquifers/GWBs
3. Summary graphics by recipient sea (flow, monthly discharges etc)
4. Basin maps and accompanying graphics
5. Individual figures
6. Executive summary maps
Overview maps: European & Asian
Long-term mean annual flow

Long Term Mean Annual Flow Volume (km³), Mediterranean Sea

River, Station, Time series

- Rhone, Beaulac, 1920-1999
- Po, Pontelagoscuro, 1918-1998
- Drin, Vau i Dejes, 1965-1968
- Maritsa, Meric, Koep, 1975-1986
- Vjose, Dorez, 1965-1984
- Struma, Marino, Pole, 1978-1986
- Vardar, Skopje, 1978-1990
- Krka, Podbocje, 1933-2008
- Nestos, Temenos, 1965-1990

km³
River discharges Drava, Mura, Somes/Szamos, Siret, Prut basins

- Drava: Amlach (1976-2006)
- Mura: Bruck a/d Mur (1971-2006)
- Somes/Szamos: Satu Mare station (1950-2006)
- Somes/Szamos: Csenger station (1950-2006)
- Siret: Lungocostation (1950-2005)
- Prut: Stanca station (1979-2009)
Graphics accompanying basin maps

- Percentage shares of landuse/land cover classes (based on figures reported by countries when possible, otherwise GlobCover)
- Population by country in each basin: in the case of gaps, output from the LandScan model to be used
- Discharges: maximum, average and minimum
Prototype basin map: featuring the Sava as example

Gauging stations to link to discharges

Background map as in the 1st Assessment

D. Del Pietro, UNEP/DEWA/GRID-Europe
Neman
Graphs accompanying the basin maps
Landuse/land cover and population

D. Del Pietro
UNEP/DEWA/GRID-Europe
Graphs accompanying the basin maps (2)

Discharges: average, minimum and maximum

D. Del Pietro
UNEP/DEWA/GRID-Europe
Individual graphics: Water quality in Vuoksi

CODMn mg/l
moving average of 6 samples
Transboundary cooperation in the Caucasus and Central Asia