



UNECE

The UNECE “water resources (C1)” template

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UNECE template C1 renewable freshwater resources

Time series data on the indicators for 1990-2013, Table C-1: Renewable freshwater resources: *cc*

	Unit	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
1	Precipitation million m ³											
2	Actual evapotranspiration million m ³											
3	Internal flow (Row 1 - row 2) million m ³	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	Inflow of surface and groundwaters from neighbouring countries million m ³											
5	Renewable freshwater resources (Row 3 + Row 4) million m ³	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Outflow of surface and groundwaters to neighbouring countries million m ³											
7	Outflow of surface and groundwaters to the sea million m ³											

Precipitation (million m³)

- Any wet precipitation:
→ rain, snow, hail, dew,...

- (Hydro-)Meteorological services!

Actual evapotranspiration (million m³)

→ evaporation from any ground (land, water,...)
PLUS
→ transpiration of plants

- Under natural conditions!
- Excluding human activity (e.g. irrigation)!
- Calculation using formulas/models
- (Hydro-)Meteorological services!

→ don't confuse with potential evapotranspiration!

Internal Flow (million m³)

= precipitation - actual evapotranspiration

→ water resources generated independently of neighbours

External Inflow (million m³)

= Total of surface waters (rivers) + groundwater coming from neighbouring countries (territories)

→ water resources generated externally

! Boundary waters to be divided 50:50 between the riparian countries (except in case of international treaties) !

→ hydrological services

Renewable freshwater resources (million m³)

= internal flow + inflow of surface and groundwater from
neighbouring countries

Outflow to neighbouring countries (million m³)

→ total of surface + groundwater

→ **actual** outflow!

→ outflow to neighbouring countries and to the sea to be calculated
separately

Remark: Some weaknesses of this particular template (revision recommended)

- ❑ 'time series' → Long-term annual average (LTAA) is missing!
- ❑ calendar year vs. hydrological year
- ❑ Term 'indicators' → statistics, parameters, variables

Thank you for your attention!
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