



Computation of long-term annual renewable water resources (RWR) by country (in km³/year, average)

Italy

Internal RWR		
Precipitation (mm/year)	[1]	832
Area of the country (1000 ha)	[2]	30 134
Precipitation (km ³ /year)	[3]	250.7 = $\frac{[1]}{1000000} \times [2] \times 10$
Surface water: produced internally	[4]	170.5
Groundwater: produced internally	[5]	43
Overlap between surface water and groundwater	[6]	31 (a)
Total internal renewable water resources	[7]	182.5 = $[4]+[5]-[6]$
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	8.8 (b)	
Inflow not submitted to treaties		[8] 8.8
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 8.8 = $[8]+[9]+[10]$
Surface water leaving the country	0	
Outflow not submitted to treaties		0
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 8.8 = $[11]-[12]$
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
Total external renewable water resources		[15] 8.8 = $[13]+[14]$
Total RWR		
Surface water	[16]	179.3 = $[4]+[13]$
Groundwater	[17]	43 = $[5]+[14]$
Overlap between surface water and groundwater	[6]	31 (a)
Total renewable water resources	[18]	191.3 = $[16]+[17]-[6]$
Dependency ratio (%)	[19]	4.6 = $\frac{100 \times ([11]+[14])}{([11]+[14]+[7])}$

Metadata:

(a) Is less than 100% of groundwater (GW) recharge; most GW drained by rivers and becomes low flow of water courses. Some GW flows into sea from long coast and islands (GW to sea indicated in Italian source 12 km³/yr) so overlap is GW-12equals31.
 (b) Inflow 4.5 km³/yr from Switzerland; 0.5 km³/yr from France; 3.8 km³/yr from Slovenia