



Computation of long-term annual renewable water resources (RWR) by country (in km<sup>3</sup>/year, average)

## Hungary

Internal RWR		
Precipitation (mm/year)	[1]	589
Area of the country (1000 ha)	[2]	9 303
Precipitation (km <sup>3</sup> /year)	[3]	54.79 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	6
Groundwater: produced internally	[5]	6
Overlap between surface water and groundwater	[6]	6 (a)
<b>Total internal renewable water resources</b>	[7]	6 =([4]+[5]-[6]) (b)
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	98 (c)	
Inflow not submitted to treaties		[8] 98
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	23	[10] 0 (d)
Accounted inflow		[11] 98 =([8]+[9]+[10])
Surface water leaving the country	104 (e)	
Outflow not submitted to treaties		104
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 98 =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 98 =([13]+[14])
Total RWR		
Surface water		[16] 104 =([4]+[13])
Groundwater		[17] 6 =([5]+[14])
Overlap between surface water and groundwater		[6] 6 (a)
<b>Total renewable water resources</b>		[18] 104 =([16]+[17]-[6])
Dependency ratio (%)		[19] 94.23 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

- (a) Overlap between surface water and groundwater is 100% of groundwater recharge (approximately); all the groundwater is drained by the rivers and becomes the low flow of water courses.  
 (b) EUROSTAT gives a value of 7.533 km<sup>3</sup> (Source: EUROSTAT, 2015. EUROSTAT database. <http://ec.europa.eu/eurostat/data/database>. Accessed on 01/06/2015)  
 (c) Inflow estimated: 63.5 km<sup>3</sup>/yr from Austria (Danube, Leitha, Pinka), around 10 km<sup>3</sup>/yr from Slovakia, 18 km<sup>3</sup>/yr from Romania, 6.5 km<sup>3</sup>/yr from Ukraine (Cisa).  
 (d) Unknown (Drave and Mura rivers) with Croatia.  
 (e) Outflow estimated: 98.5 to Yugoslavia, 5.5 to Croatia (not accounting for internal runoff in blind basin Balaton).