



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

## Estonia

Internal RWR		
Precipitation (mm/year)	[1]	626
Area of the country (1000 ha)	[2]	4 534
Precipitation (km <sup>3</sup> /year)	[3]	28.38 = $\frac{[1]}{1000000} \times [2] \times 10$
Surface water: produced internally	[4]	11.71 (a)
Groundwater: produced internally	[5]	4
Overlap between surface water and groundwater	[6]	3 (b)
<b>Total internal renewable water resources</b>	[7]	12.71 = $[4]+[5]-[6]$
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	0.096	
Inflow not submitted to treaties		[8] 0.096 (c)
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 0.096 = $[8]+[9]+[10]$
Surface water leaving the country	0.096 (d)	
Outflow not submitted to treaties		0.096
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 0.096 = $[11]-[12]$
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country		
<b>Total external renewable water resources</b>		[15] 0.096 = $[13]+[14]$
Total RWR		
Surface water	[16]	11.81 = $[4]+[13]$
Groundwater	[17]	4 = $[5]+[14]$
Overlap between surface water and groundwater	[6]	3 (b)
<b>Total renewable water resources</b>	[18]	12.81 = $[16]+[17]-[6]$
Dependency ratio (%)	[19]	0 = $100 \times \frac{[11]+[14]}{[11]+[14]+[7]}$

Metadata:

(a) Internal surface waters: Peipus-Narva 3.853; Gulf of Finland 2.730; Gulf of Riga 3.677; Muhu-Sound 0.310; Islands 1.142.

(b) Overlap between surface water and groundwater is less than 100% of groundwater recharge; most the groundwater is drained by the rivers and becomes the low flow of water courses. Some groundwater flows out to the sea (coast and islands).

(c) Surface water entering: From Latvia: 0.008 to Gulf of Riga and 0.025 to Peipus; from Russia: 0.063 to Peipus-N

(d) Surface water leaving the country: Latvia: Gulf of Riga (incl. Salaca) 0.089; Russia 0.007