



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

Germany

Internal RWR		
Precipitation (mm/year)	[1]	700
Area of the country (1000 ha)	[2]	35 738
Precipitation (km ³ /year)	[3]	250.2 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	106.3
Groundwater: produced internally	[5]	45.7
Overlap between surface water and groundwater	[6]	45 (a)
Total internal renewable water resources	[7]	107 =([4]+[5]-[6]) (b)
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	47 (c)	
Inflow not submitted to treaties		[8] 47
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 47 =([8]+[9]+[10])
Surface water leaving the country	90.8 (d)	
Outflow not submitted to treaties		90.8
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 47 =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
Total external renewable water resources		[15] 47 =([13]+[14])
Total RWR		
Surface water	[16]	153.3 =([4]+[13])
Groundwater	[17]	45.7 =([5]+[14])
Overlap between surface water and groundwater	[6]	45 (a)
Total renewable water resources	[18]	154 =([16]+[17]-[6])
Dependency ratio (%)	[19]	30.52 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

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

(b) EUROSTAT gives a value of 117 km³ (Source: EUROSTAT, 2015. EUROSTAT database. <http://ec.europa.eu/eurostat/data/database>. Accessed on 01/06/2015)

(c) Net inflow: 26.3 km³/yr from Switzerland, 5.4 from France, 3.1 from Luxembourg, 12.2 from Czech Republic

(d) Net outflow: 20.8 to Austria, 1 to Belgium, 69 to Netherlands.