



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

## Angola

Internal RWR		
Precipitation (mm/year)	[1]	1 010
Area of the country (1000 ha)	[2]	124 670
Precipitation (km <sup>3</sup> /year)	[3]	1 259 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	145
Groundwater: produced internally	[5]	58
Overlap between surface water and groundwater	[6]	55 (a)
<b>Total internal renewable water resources</b>	[7]	148 =[4]+[5]-[6]
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	0.4 (b)	
Inflow not submitted to treaties		[8] 0.4
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 0.4 =[8]+[9]+[10]
Surface water leaving the country	122.8 (c)	
Outflow not submitted to treaties		122.8
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 0.4 =[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] 0.4 =[13]+[14]
Total RWR		
Surface water	[16]	145.4 =[4]+[13]
Groundwater	[17]	58 =[5]+[14]
Overlap between surface water and groundwater	[6]	55 (a)
<b>Total renewable water resources</b>	[18]	148.4 =[16]+[17]-[6]
Dependency ratio (%)	[19]	0. =100*([11]+[14])/([11]+[14]+[7])

**Metadata:**

- (a) Nearly 100% of Groundwater (GW) recharge; most is drained by the rivers (=low flow of water courses). Some GW escapes and flows out into the sea. MINADER->145 for IRSW (4 598 m<sup>3</sup>/s). Kept same ratio as before, 40%(IRGW 72, IRSW 182) ->gives new IRGW of 0.4
- (b) FROM: Zambia: 0.4 (Zambezi)
- (c) (ZMB:)On Zambezi: Removing own/upstream contribution
- (c) (NAM:)On Okavango/Cubango: Namibia only can use this water in a small area
- (c) (COD:)On Many rivers: Includes Kwilu, Kwango, Kasai, Inkisi and others [] TO: Zambia: 25 (Zambezi) Namibia: 10 (Okavango/Cubango)+1 (Kwando/Cuando)+5.535/2 (Cunene/Kunene [border- AGO/NAM]); Democratic Republic of the Congo: 84 (Many rivers)
- (c) (NAM:)On Cunene/Kunene [border- AGO/NAM]: Of which 0.185 is guaranteed by treaty