



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

**Brazil**

Internal RWR		
Precipitation (mm/year)	[1] 1 761 (a)	
Area of the country (1000 ha)	[2] 851 577	
Precipitation (km <sup>3</sup> /year)	[3] 14 996 =([1]/1000000)x([2]x10)	
Surface water: produced internally	[4] 5 661 (b)	
Groundwater: produced internally	[5] 645.6	
Overlap between surface water and groundwater	[6] 645.6	
<b>Total internal renewable water resources</b>	[7] 5 661 =[4]+[5]-[6]	
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	2 986 (c)	
Inflow not submitted to treaties		[8] 2 986
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 2 986 =[8]+[9]+[10]
Surface water leaving the country	585.7 (d)	
Outflow not submitted to treaties		585.7
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 2 986 =[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] 2 986 =[13]+[14]
Total RWR		
Surface water		[16] 8 647 =[4]+[13]
Groundwater		[17] 645.6 =[5]+[14]
Overlap between surface water and groundwater		[6] 645.6
<b>Total renewable water resources</b>		[18] 8 647 =[16]+[17]-[6]
Dependency ratio (%)		[19] 34.53 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

- (a) Refers to the period 1961-2007
- (b) The CRU value for the period 1961-1990 the value is 1782 mm.
- (c) Amazon: 4167.3; Tocantins-Araguaia: 435.2; San Francisco: 89.7; Northeast Atlantic-western part: 82.3; Northeast Atlantic-eastern part: 24.4; Parnaiba: 24.2; East Atlantic: 46.8; Southeast Atlantic: 99.7; South Atlantic: 127.9; Paraná: 359.9; Paraguay river: 74.4; Uruguay river: 129.4.
- (d) (VEN:)On Casiquiare: This natural canal connects the Orinoco and Amazon basins, and therefore, flow can invert and go north under flood conditions.
- (e) FROM: Venezuela (Bolivarian Republic of): 60 (Casiquiare); Peru: 1470 (Amazon/Amazonas)+5.5 (Juru/Juruá)+20 (Purús); Colombia: 430 (Japur/Japurá/Aporis)+124 (Negro)+250 (Putumayo/Içá)+76 (Vaupés/Uaupés); Bolivia (Plurinational State of): 550 (Madeira)
- (f) (URY:)On Uruguay R. [border- ARG/URY]: Total flow for Uruguay is 150 km<sup>3</sup>/yr, but approximately 20/2 km<sup>3</sup>/yr of this are Argentina's contribution [] (BOL:)On Paraguay R.: Paraguay River does border Bolivia for about 35 km, but not accounted for since it's such a small strip [] (ARG:)On Uruguay R. [border- ARG/URY]: Total flow for Uruguay is 150 km<sup>3</sup>/yr, but approximately 20/2 km<sup>3</sup>/yr of this are Argentina's contribution
- (g) TO: Uruguay: 5 (Negro)+130/2 (Uruguay R. [border- ARG/URY]); Paraguay: 73.27 (Paraguay R.); Bolivia (Plurinational State of): +0 (Paraguay R.); Argentina: 51.05 (Iguazu/Iguaçu)+326.4 (Parana/Rio de la Plata)+130/2 (Uruguay R. [border- ARG/URY])