



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

## Peru

Internal RWR		
Precipitation (mm/year)	[1]	1 738
Area of the country (1000 ha)	[2]	128 522
Precipitation (km <sup>3</sup> /year)	[3]	2 234 <small>=([1]/1000000)x([2]x10)</small>
Surface water: produced internally	[4]	1 641
Groundwater: produced internally	[5]	303
Overlap between surface water and groundwater	[6]	303
<b>Total internal renewable water resources</b>	[7]	1 641 <small>=([4]+[5]-[6])</small>
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	128.8 (a)	
Inflow not submitted to treaties		[8] 128.8
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	250 (b)	[10] 110 (c)
Accounted inflow		[11] 238.8 <small>=([8]+[9]+[10])</small>
Surface water leaving the country	1 868 (d)	
Outflow not submitted to treaties		1 868
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 238.8 <small>=([11]-[12])</small>
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 238.8 <small>=([13]+[14])</small>
Total RWR		
Surface water	[16]	1 880 <small>=([4]+[13])</small>
Groundwater	[17]	303 <small>=([5]+[14])</small>
Overlap between surface water and groundwater	[6]	303
<b>Total renewable water resources</b>	[18]	1 880 <small>=([16]+[17]-[6])</small>
Dependency ratio (%)	[19]	127 <small>=100*([11]+[14])/([11]+[14]+[7])</small>

Metadata:

(a) FROM: Ecuador: 3.47 (Chira)+65 (Napo)+60 (Santiago)+0.29 (Zarumilla)

(b) Border Peru-Colombia (Putumayo)

(c) Putumayo: 250/2-15 (15= part generated in Ecuador, accounted for in Ecuador to flow to Colombia)

(d) TO: Brazil: 1470 (Amazon/Amazonas)+5.5 (Juru/Jurua)+20 (Purus); Colombia: 110 (Putumayo); Bolivia (Plurinational State of): 259 (Madre de Dios)+4 (Titicaca Lake [border-PER/BOL])