



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

## Madagascar

Internal RWR		
Precipitation (mm/year)	[1] <input style="width: 100px;" type="text" value="1 513"/>	
Area of the country (1000 ha)	[2] <input style="width: 100px;" type="text" value="58 730"/>	
Precipitation (km <sup>3</sup> /year)	[3] <input style="width: 100px;" type="text" value="888.6"/>	=[(1)/1000000]x[(2)x10]
Surface water: produced internally	[4] <input style="width: 100px;" type="text" value="332"/>	
Groundwater: produced internally	[5] <input style="width: 100px;" type="text" value="55"/>	
Overlap between surface water and groundwater	[6] <input style="width: 100px;" type="text" value="50"/>	(a)
<b>Total internal renewable water resources</b>	[7] <input style="width: 100px;" type="text" value="337"/>	=[4]+[5]-[6]
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	<input style="width: 100px;" type="text" value="0"/>	
Inflow not submitted to treaties		[8] <input style="width: 100px;" type="text" value="0"/>
Inflow submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Inflow secured through treaties		[9] <input style="width: 100px;" type="text" value="0"/>
Flow in border rivers	<input style="width: 100px;" type="text" value="0"/>	[10] <input style="width: 100px;" type="text" value="0"/>
Accounted inflow		[11] <input style="width: 100px;" type="text" value="0"/>
		=[8]+[9]+[10]
Surface water leaving the country	<input style="width: 100px;" type="text" value="0"/>	
Outflow not submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Outflow submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Outflow secured through treaties		[12] <input style="width: 100px;" type="text" value="0"/>
Total external renewable surface water		[13] <input style="width: 100px;" type="text" value="0"/>
		=[11]-[12]
<u>Groundwater</u>		
Groundwater entering the country	<input style="width: 100px;" type="text" value="0"/>	[14] <input style="width: 100px;" type="text" value="0"/>
Groundwater leaving the country	<input style="width: 100px;" type="text" value="0"/>	<input style="width: 100px;" type="text" value="0"/>
<b>Total external renewable water resources</b>		[15] <input style="width: 100px;" type="text" value="0"/>
		=[13]+[14]
Total RWR		
Surface water		[16] <input style="width: 100px;" type="text" value="332"/>
		=[4]+[13]
Groundwater		[17] <input style="width: 100px;" type="text" value="55"/>
		=[5]+[14]
Overlap between surface water and groundwater		[6] <input style="width: 100px;" type="text" value="50"/>
		(a)
<b>Total renewable water resources</b>		[18] <input style="width: 100px;" type="text" value="337"/>
		=[16]+[17]-[6]
Dependency ratio (%)		[19] <input style="width: 100px;" type="text" value="0"/>
		=100*([11]+[14])/([11]+[14]+[7])

**Metadata:**

(a) Overlap is a but less than 100%; most of the groundwater is drained by the rivers (equals to low flow of water courses). But, as it is an island, there is probably some groundwater that escapes and flows out into the sea. However, the extreme south is arid.