



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

Portugal

| Internal RWR | | |
|---|-------|--|
| Precipitation (mm/year) | [1] | 854 |
| Area of the country (1000 ha) | [2] | 9 222 |
| Precipitation (km ³ /year) | [3] | 78.76 <small>=([1]/1000000)x([2]x10)</small> |
| Surface water: produced internally | [4] | 38 |
| Groundwater: produced internally | [5] | 4 |
| Overlap between surface water and groundwater | [6] | 4 <small>(a)</small> |
| Total internal renewable water resources | [7] | 38 <small>=([4]+[5]-[6])</small> |
| External RWR | | |
| | Total | Accounted |
| <u>Surface water</u> | | |
| Surface water entering the country | 33.4 | |
| Inflow not submitted to treaties | | [8] 33.4 |
| Inflow submitted to treaties | | [9] 0 |
| Inflow secured through treaties | | [10] 6 <small>(b)</small> |
| Flow in border rivers | 12 | [11] 39.4 <small>=([8]+[9]+[10])</small> |
| Accounted inflow | | |
| Surface water leaving the country | 0 | |
| Outflow not submitted to treaties | | 0 |
| Outflow submitted to treaties | | 0 |
| Outflow secured through treaties | | [12] 0 |
| Total external renewable surface water | | [13] 39.4 <small>=([11]-[12])</small> |
| <u>Groundwater</u> | | |
| Groundwater entering the country | 0 | [14] 0 |
| Groundwater leaving the country | 0 | 0 |
| Total external renewable water resources | | [15] 39.4 <small>=([13]+[14])</small> |
| Total RWR | | |
| Surface water | [16] | 77.4 <small>=([4]+[13])</small> |
| Groundwater | [17] | 4 <small>=([5]+[14])</small> |
| Overlap between surface water and groundwater | [6] | 4 <small>(a)</small> |
| Total renewable water resources | [18] | 77.4 <small>=([16]+[17]-[6])</small> |
| Dependency ratio (%) | [19] | 50.9 <small>=100*([11]+[14])/([11]+[14]+[7])</small> |

Metadata:

(a) Approximately. Overlap is 100% of groundwater recharge; all the groundwater is drained by the rivers and becomes the low flow of water courses. The ground is a base rock so there is probably no groundwater flowing out.
(b) The rule of 50% of border flow was applied to the Mihno river. So 6 km³/yr are accounted as additional external resource.