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

Spain

Internal RWR

Precipitation (mm/year)	[1]	636	
Area of the country (1000 ha)	[2]	50 594	
Precipitation (km³/year)	[3]	321.8	=([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	109.5	
Groundwater: produced internally	[5]	29.9	
Overlap between surface water and groundwater	[6]	28.2	(a)
Total internal renewable water resources	[7]	111.2	=[4]+[5]-[6]

External RWR

		Total	Accounted	
Surface water				
Surface water entering the country		0.3		
Inflow not submitted to treaties	[8]		0.3	
Inflow submitted to treaties			0	
Inflow secured through treaties	[9]		0	
Flow in border rivers	[10]	0	0	
Accounted inflow	[11]		0.3	=[8]+[9]+[10]
Surface water leaving the country		34.4		(b)
Outflow not submitted to treaties			33.4	
Outflow submitted to treaties				
Outflow secured through treaties	[12]		0	
Total external renewable surface water	[13]		0.3	=[11]-[12]
Groundwater				
Groundwater entering the country	[14]	0	0	
Groundwater leaving the country		0	0	
Total external renewable water resources	[15]		0.3	=[13]+[14]

Total RWR

Surface water	[16]	109.8	=[4]+[13]
Groundwater	[17]	29.9	=[5]+[14]
Overlap between surface water and groundwater	[6]	28.2	(a)
Total renewable water resources	[18]	111.5	=[16]+[17]-[6]
Dependency ratio (%)	[19]	0.	=100*([11]+[14])/([11]+[14]+[7])

Metadata:
(a) Overlap:nearly 100% of Groundwater (GW) recharge; most of the GW is drained by the rivers and becomes the low flow of water courses. Spain has a long coast and a Spanish source indicate that 1.7 km3/yr GW flows into the sea so the rest of the GW drained i
(b) Surface water outflow: 33.4 to Portugal, 1 to France (Garonne) (To Portugal : Minho border not counted)