



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

Guinea

Surface water Surface water entering the country Inflow not submitted to treaties Inflow submitted to treaties Inflow submitted to treaties Inflow secured through treaties Flow in border rivers Accounted inflow Surface water leaving the country Outflow not submitted to treaties Outflow secured through treaties Intal external renewable surface water Groundwater Groundwater leaving the country O Intal external renewable water resources Intal external renewable water resources	Internal RWR		
Auto contry 19 405.9 -(1)(1000000)u(2):10) Surface water: produced internally 19 38 0 Overlap between surface water and groundwater 19 38 0 Total internal renewable water resources 17 226 -(4)+(5)+(6) Surface water 10 0 0 Surface water 0 0 0 Inflow submitted to treaties 19 0 0 Inflow submitted to treaties 0 0 0 Inflow submitted to treaties 0 0 0 Inflow submitted to treaties 0 102.2 0 Outflow not submitted to treaties 102.2 0 0 Outflow submitted to treaties 102.2 0 0 Outflow submitted to treaties 102.2 0 0 Outflow submitted to treaties 102.2 0 0 0 Outflow submitted to treaties 102.2 0 0 0 0 Outflow submitted to treaties 102.2 0 0 0 0 0 Total external ren			
Surface water: produced internally [4] 226 Groundwater: [9] 38 Overlap between surface water and groundwater [9] 38 Total internal renewable water resources [7] 226 External RWR Total Accounted Surface water [9] 0 Surface water entering the country 0 [8] 0 Inflow not submitted to treaties [9] 0 0 Inflow submitted to treaties [9] 0 0 Inflow submitted to treaties [9] 0 0 Inflow not submitted to treaties [9] 0 0 Inflow submitted to treaties [9] 0 0 Outflow water leaving the country 102.2 0 0 Outflow water leaving the country 102.2 0 0 Outflow water leaving the country 0 102.2 0 Outflow water leaving the country 0 14 0 Outflow water leaving the country 0 14 0 Groundwater [13] -[13]+[14] 0 -[13]+[1	,		
Groundwater: produced internally 19 38 Groundwater: produced internally 19 38 Total internal renewable water resources 77 226 -44+65+67 External RWR Total Accounted Surface water Surface water entering the country 0 Inflow not submitted to treaties 19 0 Inflow submitted to treaties 19 0 Inflow submitted to treaties 19 0 Inflow secured through treaties 0 Inflow secured through treaties 10 Surface water leaving the country 102.2 (b) Outflow not submitted to treaties 10 Outflow not submitted to treaties 10 Outflow secured through treaties 10 Outflow secured th	Precipitation (km ³ /year)	[3] 405.9 =([1]/10000	J00)x([2]x10)
Overlap between surface water and groundwater 10 Jotal internal renewable water resources 17 226 =44+65+69 External RWR Total Accounted Surface water 0 10 10 Surface water 0 0 0 Inflow not submitted to treaties 0 0 0 Inflow submitted to treaties 0 0 0 Inflow not submitted to treaties 0 0 0 Flow in border rivers 0 102.2 00 Outflow submitted to treaties 102.2 0 0 Outflow submitted to treaties 102.2 0 0 0 Outflow submitted to treaties 102.2 0 0 0 0 Outflow submitted to treaties 102.2 0 0 0 113 0 =113+132 Groundwater 113 0 1	Surface water: produced internally	[4] 226	
Total internal renewable water resources I 226 -44H5H6 Surface water Total Accounted Surface water 0 0 Inflow not submitted to treaties 0 0 Inflow submitted to treaties 0 0 Outflow not submitted to treaties 0 102.2 Outflow submitted to treaties 102.2 0 Outflow scured through treaties 102.2 0 Outflow scured through treaties 102.2 0 Outflow scured through treaties 112 0 Outflow scured through treaties 112 0 Outflow scured through treaties 112 0 Groundwater 113 0 =11H12 Groundwater 114 0 0 Groundwater leaving the country 0 0 0	Groundwater: produced internally	[5] 38	
External RWR Total Accounted Surface water 0 100 Inflow not submitted to treaties 0 0 Inflow submitted to treaties 0 0 Flow in border rivers 0 100 Accounted inflow 111 0 =t8(+19)+(10) Surface water leaving the country 102.2 0 Outflow submitted to treaties 0 0 Outflow scured through treaties 102.2 0 Outflow scured through treaties 102.2 0 Outflow scured through treaties 0 0 Outflow scured through treaties 120 0 Total external renewable surface water 13 0 =111+12 Groundwater 14 0 0 0 Groundwater leaving the country 0 14 0 Total external renewable water resources 14 0 =113+14 Intal external renewable water and groundwater 19 0 =113+14 Overlap between surface water an	Overlap between surface water and groundwater	[6] <u>38</u> (a)	
Surface water Surface water entering the country Inflow not submitted to treaties Inflow submitted to treaties Inflow submitted to treaties Inflow submitted to treaties Flow in border rivers Accounted inflow Surface water leaving the country Outflow not submitted to treaties Outflow not submitted to treaties Outflow submitted to treaties Outflow secured through treaties Ital external renewable surface water Groundwater Groundwater leaving the country O Ital external renewable water resources Ital external renewable water resources Ital external renewable water and groundwater Ital external renewable water and groundwater Ital external renewable water and groundwater Ital entewable water resources	Total internal renewable water resources	[7] 226 =[4]+[5]-[6]	
Surface water entering the country 0 Inflow not submitted to treaties [8] Inflow submitted to treaties 0 Inflow submitted to treaties 9 Flow in border rivers 0 Accounted inflow 111 Surface water leaving the country 102.2 Outflow not submitted to treaties 102.2 Outflow submitted to treaties 102.2 Outflow submitted to treaties 102.2 Outflow secured through treaties 113 Outflow secured through treaties 120 Outflow secured through treaties 130 Outflow secured through treaties 141 Outflow secured through treaties 0 Groundwater 113 Groundwater 0 Groundwater leaving the country 0 Total external renewable water resources 115 Outflow the country 0 Outflow aver 0 Interval 0 Groundwater 115 Outflow aver 116 Outflow aver 117 Surface water 116	External RWR	Total	Accounted
Inflow not submitted to treaties [8] 0 Inflow not submitted to treaties [9] 0 Flow in border rivers 0 [10] 0 Accounted inflow [11] 0 =[8]+(9]+(10] Surface water leaving the country 102.2 (b) 0 Outflow not submitted to treaties 0 111 0 =[8]+(9]+(10] Surface water leaving the country 102.2 (b) 0 0 Outflow submitted to treaties 0 112 0 0 Outflow submitted to treaties 102.2 (b) 0 0 0 Outflow submitted to treaties 102.2 0	Surface water		
Inflow into control to reactions 0 0 Inflow submitted to treaties 0 0 Flow in border rivers 0 100 Accounted inflow 111 0 Surface water leaving the country 102.2 0 Outflow not submitted to treaties 102.2 0 Outflow submitted to treaties 102.2 0 Outflow secured through treaties 112 0 Flow 0 0 111 Groundwater 113 0 =111 Groundwater leaving the country 0 0 0 Surface water leaving the country 0 0 =131+14 Surface water 116 226 =141+13 Groundwater 117 38	Surface water entering the country	0	
Inflow secured through treaties [9] 0 Flow in border rivers 0 [10] 0 Accounted inflow [11] 0 =68+(9)+(10) Surface water leaving the country 102.2 0 Outflow not submitted to treaties 0 102.2 0 Outflow secured through treaties 102.2 0 0 Outflow secured through treaties 0 0 0 Outflow secured through treaties 112 0 0 Outflow secured through treaties 113 0 =[11]+[12] Outflow secured through treaties 113 0 =[11]+[12] Groundwater 0 0 0 0 Groundwater leaving the country 0 0 0 0 Total external renewable water resources [15] 0 =[13]+[14] 0 Surface water [16] 226 =[4]+[13] [16] 38 (a) Groundwater [17] 38 =[5]+[14] [16] 38 (a) Overlap between surface water and groundwater [16] 38 (a)	Inflow not submitted to treaties		
Initial society and society and society and society in the society of the society of the society in the society of the societ	Inflow submitted to treaties		
Interventions Image: Construction of the second of the	Inflow secured through treaties		[9] 0
Surface water leaving the country 102.2 Outflow not submitted to treaties 0 Outflow sourced through treaties 102.2 Outflow secured through treaties 112 Outflow secured through treaties 112 O 112 O 0 Total external renewable surface water 113 Groundwater 0 Groundwater leaving the country 0 Ital external renewable water resources 114 O 0 Total external renewable water resources 115 O 14 O 0 Total external renewable water resources 115 O 114 Overlap between surface water and groundwater 16 38 (a) Total renewable water resources 118 226 =116 +17 -16 Dependency ratio (%) 19	Flow in border rivers	0	[10] 0
Sundace water reading the country 102.2 Outflow submitted to treaties 0 Outflow submitted to treaties 0 Outflow secured through treaties 112 Total external renewable surface water 113 Groundwater 0 Groundwater leaving the country 0 Groundwater leaving the country 0 Total external renewable water resources 114 Total external renewable water resources 115 Total external renewable water resources 115 Total external renewable water resources 116 Z26 =[4]+[13] Groundwater [6] 38 [6] Coverlap between surface water and groundwater 16 Total renewable water resources 118 Z26 =[4]+[17]+[6] Dependency ratio (%) 119	Accounted inflow		[11] 0=[8]+[9]+[10]
Outflow not submitted to treaties 102.2 Outflow submitted to treaties 0 Outflow secured through treaties 113 Total external renewable surface water 113 Broundwater 0 Groundwater entering the country 0 Groundwater leaving the country 0 Groundwater leaving the country 0 Outflow secure and groundwater resources 115 Outflow ter 113 Outflow ter 113 Outflow ter 0 Ital external renewable water resources 115 Outflow ter 113 Overlap between surface water and groundwater 163 Total renewable water resources 114 Outflow ter 113 Outflow ter 113 Outflow ter 113 Outflow ter 114 Outflow ter 114 Outflow te	Surface water leaving the country	102.2 ^(b)	
Outflow secured through treaties 112 Outflow secured through treaties 113 Total external renewable surface water 113 Groundwater 0 Groundwater entering the country 0 Ital external renewable water resources 0 Total external renewable water resources 115 Outflow secured through treaties 0 Groundwater 114 O 0 Total external renewable water resources 115 Outflow secured through treaties 116 226 =[4]+[13] Groundwater 118 Overlap between surface water and groundwater 118 Total renewable water resources 118 Dependency ratio (%) 119	• ·		102.2
Total external renewable surface water [13] 0 =[11]+[12] Groundwater 0 [14] 0 Groundwater entering the country 0 0 0 Groundwater leaving the country 0 0 0 Total external renewable water resources [15] 0 =[13]+[14] Total external renewable water resources [16] 226 =[4]+[13] Groundwater [16] 38 =[5]+[14] Overlap between surface water and groundwater [6] 38 [a) Total renewable water resources [18] 226 =[16]+[17]-[6]	Outflow submitted to treaties		0
Total external renewable surface water [13] 0 =[11]+[12] Groundwater 0 [14] 0 Groundwater entering the country 0 0 0 Groundwater leaving the country 0 0 0 Total external renewable water resources [15] 0 =[13]+[14] Total external renewable water resources [16] 226 =[4]+[13] Groundwater [16] 38 =[5]+[14] Overlap between surface water and groundwater [6] 38 [a) Total renewable water resources [18] 226 =[16]+[17]-[6]	Outflow secured through treaties		[12] 0
Groundwater entering the country 0 [14] 0 Groundwater leaving the country 0 0 0 Total external renewable water resources [15] 0 =[13]+[14] Fotal RWR [16] 226 =[4]+[13] Groundwater [16] 226 =[4]+[14] Overlap between surface water and groundwater [6] 38 =[5]+[14] Overlap between surface water and groundwater [6] 38 [a] Total renewable water resources [18] 226 =[16]+[17]-[6]	Total external renewable surface water		[13] 0=[11]-[12]
Groundwater entering the country 0 [14] 0 Groundwater leaving the country 0 0 0 Total external renewable water resources [15] 0 =[13]+[14] Fotal RWR [16] 226 =[4]+[13] Groundwater [16] 226 =[4]+[14] Overlap between surface water and groundwater [6] 38 =[5]+[14] Overlap between surface water and groundwater [6] 38 [a] Total renewable water resources [18] 226 =[16]+[17]-[6]	Groundwater		
Groundwater leaving the country 0 0 Total external renewable water resources $[15]$ 0 $=[13]+[14]$ Fotal RWR Image: Comparison of the second		0	[14] 0
Total external renewable water resources $[15]$ $0 = [13]+[14]$ Fotal RWR $[16]$ 226 $=[4]+[13]$ Surface water $[17]$ 38 $=[5]+[14]$ Groundwater $[17]$ 38 $=[5]+[14]$ Overlap between surface water and groundwater $[6]$ 38 (a) Total renewable water resources $[18]$ 226 $=[16]+[17]-[6]$		0	0
Total RWR $[16]$ 226 $=[4]+[13]$ Surface water $[17]$ 38 $=[5]+[14]$ Groundwater $[17]$ 38 $=[5]+[14]$ Overlap between surface water and groundwater $[6]$ 38 (a) Total renewable water resources $[18]$ 226 $=[16]+[17]-[6]$ Dependency ratio (%) $[19]$ 0 $=^{100^{\circ}([11]+[14])}$			
Surface water $[16]$ 226 $=[4]+[13]$ Groundwater $[17]$ 38 $=[5]+[14]$ Overlap between surface water and groundwater $[6]$ 38 (a) Total renewable water resources $[18]$ 226 $=[16]+[17]-[6]$ Dependency ratio (%) $[19]$ 0 $=^{100^{\circ}([11]+[14])}$	Total external renewable water resources		[15] 0 =[13]+[14]
Groundwater [17] 38 =[5]+[14] Overlap between surface water and groundwater [6] 38 (a) Total renewable water resources [18] 226 =[16]+[17]-[6]	Fotal RWR		
Groundwater $[17]$ 38 $=[5]+[14]$ Overlap between surface water and groundwater $[6]$ 38 (a) Total renewable water resources $[18]$ 226 $=[16]+[17]-[6]$ Dependency ratio (%) $[19]$ 0 $=^{100^{\circ}([11]+[14])}$	Surface water		[16] 226 =[4]+[13]
Overlap between surface water and groundwater [6] 38 (a) Total renewable water resources [18] 226 =[16]+[17]-[6] Dependency ratio (%) [19] 0 =100*([11]+[14])			[17] 38 =[5]+[14]
Total renewable water resources [18] 226 =[16]+[17]-[6] Dependency ratio (%) [19] 0 =100*([11]+[14])			
Dependency ratio (%)			
Dependency ratio (%) [19] 0 =100*([11]+[14]) /([11]+[14]+[7])	i otal renewable water resources		
	Dependency ratio (%)		[19] 0=100*([11]+[14]) /([11]+[14]+[7])

Metadata:

(a) Overlap between surface water and groundwater is 100% of groundwater recharge; all the groundwater is drained by the rivers and becomes the low flow of water courses, as is the case of humid countries.
(b) Many rivers flow out into border countries. The outflow is probably higher than 100 km3/yr. To Mali 53 (Niger and Senegal rivers), Sierra Leone, Senegal 2.17 (High Gambia, Senegal), Guinea Bissau 15 (Corumba river), Liberia 32