

Population - Areas - Gross Domestic Product (GDP) (2008)

Continent Regions	Subregions	Population			Area			GDP	
		Total	Density	% of econ. active pop. in agricult.	Total	Culti- vated	cult./pop. ec. act. in agric	Per capita in 2008	value added by agricult.
		1000 inh	inh/km ²		1000 ha	%	ha	US\$/cap.	%
World		6 741 605	50	41	13 370 063	12	1.2	8 813	4
Africa		981 127	33	54	3 004 568	8	1.2	1 592	16
Northern Africa		163 969	29	24	575 289	5	2.0	3 434	11
Sub-Saharan Africa		817 158	34	59	2 429 279	9	1.1	1 222	18
	<i>Sudano Sahelian</i>	127 193	15	70	859 221	6	1.7	872	26
	<i>Gulf of Guinea</i>	231 036	109	38	211 927	30	2.1	1 163	30
	<i>Central Africa</i>	111 587	21	58	532 868	4	0.9	1 471	12
	<i>Eastern Africa</i>	211 414	72	77	292 718	14	0.5	481	33
	<i>Southern Africa</i>	114 603	24	46	473 405	7	1.5	2 917	5
	<i>Indian Ocean Islands</i>	21 325	36	68	59 140	6	0.5	890	15
Americas		919 615	23	10	4 015 671	10	8.7	21 657	2
Northern America		453 480	21	5	2 158 108	12	23.0	36 805	1
	<i>Northern America</i>	344 925	18	2	1 961 670	11	74.7	45 240	1
	<i>Mexico</i>	108 555	55	17	196 438	14	3.4	10 004	4
Central America and Caribbean		81 246	108	24	75 134	20	1.9	3 820	7
	<i>Central America</i>	41 025	79	26	52 188	16	2.0	3 316	10
	<i>Caribbean-Greater Antilles</i>	37 707	182	22	20 722	33	1.9	3 599	6
	<i>Caribbean-Lesser Antilles</i>	2 514	113	9	2 224	6	1.3	15 360	2
Southern America		384 889	22	14	1 782 429	7	4.8	7 574	7
	<i>Guyana</i>	1 498	3	16	46 879	1	5.5	2 697	13
	<i>Andean</i>	125 145	27	18	472 116	4	1.6	6 015	6
	<i>Brazil</i>	191 972	23	12	851 488	8	5.7	8 400	7
	<i>Southern America</i>	66 274	16	11	411 946	10	12.1	8 239	8

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		1000 inh	inh/km ²		1000 ha	%	ha	US\$/cap.	%
Asia		4 081 022	126	52	3 241 673	18	0.6	3 805	8
Middle East		296 556	45	21	656 510	10	2.9	8 242	6
	<i>Arabian Peninsula</i>	60 364	19	15	310 088	2	1.8	14 477	2
	<i>Caucasus</i>	16 115	87	19	18 604	17	2.0	4 404	9
	<i>Islamic Republic of Iran</i>	73 312	42	23	174 515	11	2.8	5 253	10
	<i>Near East</i>	146 765	96	23	153 303	24	3.4	7 592	8
Central Asia		87 214	19	31	465 513	9	3.6	2 272	12
Southern and Eastern Asia		3 697 252	174	54	2 119 650	22	0.5	3 485	8
	<i>South Asia</i>	1 568 227	350	53	447 884	46	0.6	970	18
	<i>East Asia</i>	1 546 824	132	56	1 176 040	14	0.3	6 413	6
	<i>Mainland Southeast Asia</i>	224 812	116	61	193 876	23	0.6	1 629	15
	<i>Maritime Southeast Asia</i>	357 389	118	39	301 850	19	0.9	3 017	11
Europe		732 396	32	6	2 300 711	13	12.8	29 026	2
Western and Central Europe		524 777	107	5	488 875	26	9.7	36 777	2
	<i>Northern Europe</i>	25 099	20	3	126 000	6	19.6	62 179	2
	<i>Western Europe</i>	253 795	179	2	142 063	30	16.5	46 298	1
	<i>Central Europe</i>	113 461	102	11	111 324	37	6.8	12 692	5
	<i>Mediterranean Europe</i>	132 422	121	6	109 488	31	8.6	34 352	3
Eastern Europe		207 619	11	9	1 811 836	9	16.8	9 434	5
	<i>Eastern Europe</i>	66 225	65	11	102 012	44	12.5	5 299	7
	<i>Russian Federation</i>	141 394	8	8	1 709 824	7	19.2	11 371	5
Oceania		27 445	3	7	807 440	6	46.3	41 975	4
Australia and New Zealand		25 304	3	5	800 893	6	72.5	45 286	4
Other Pacific Islands		2 141	33	41	6 547	9	1.7	2 847	16

Sources: Population: UN Population Division, Rev. 2008; Areas: FAOSTAT; GDP: World Bank Development Indicators.

Freshwater Availability - Precipitation and Internal Renewable Water Resources (IRWR)

Continent Regions	Subregions	Precipitation		Internal renewable freshwater resources		
		Depth per year (mm)	Volume per year (km ³ or 10 ⁹ m ³)	Volume per year (km ³ or 10 ⁹ m ³)	% of world freshwater resources	per capita in year 2008 (m ³)
World		809	108 139	43 022	100.0	6 383
Africa		678	20 359	3 931	9.1	4 007
Northern Africa		96	550	47	0.1	286
Sub-Saharan Africa		815	19 809	3 884	9.0	4 753
	<i>Sudano Sahelian</i>	311	2 672	160	0.4	1 255
	<i>Gulf of Guinea</i>	1 356	2 873	952	2.2	4 120
	<i>Central Africa</i>	1 425	7 593	1 876	4.4	16 814
	<i>Eastern Africa</i>	912	2 669	285	0.7	1 349
	<i>Southern Africa</i>	656	3 107	270	0.6	2 357
	<i>Indian Ocean Islands</i>	1 514	895	341	0.8	15 988
Americas		1 091	43 821	19 238	44.7	20 927
Northern America		636	13 726	6 077	14.1	13 401
	<i>Northern America</i>	624	12 249	5 668	13.2	16 433
	<i>Mexico</i>	752	1 477	409	1.0	3 768
Central America and Caribbean		2 011	1 511	781	1.8	9 654
	<i>Central America</i>	2 258	1 178	688	1.6	16 780
	<i>Caribbean-Greater Antilles</i>	1 436	298	89	0.2	2 351
	<i>Caribbean-Lesser Antilles</i>	1 576	35	4	0.0	1 848
Southern America		1 604	28 584	12 380	28.8	32 165
	<i>Guyana</i>	2 465	1 156	463	1.1	309 079
	<i>Andean</i>	1 859	8 777	5 186	12.1	41 439
	<i>Brazil</i>	1 782	15 174	5 418	12.6	28 223
	<i>Southern America</i>	844	3 477	1 313	3.1	19 812
Asia		827	26 800	12 413	28.9	3 041.6
Middle East		217	1 422	484	1.1	1 632
	<i>Arabian Peninsula</i>	85	263	6	0.0	101
	<i>Caucasus</i>	682	127	73	0.2	4 536
	<i>Islamic Republic of Iran</i>	228	398	129	0.3	1 753
	<i>Near East</i>	414	634	276	0.6	1 883
Central Asia		273	1 270	263	0.6	3 020
Southern and Eastern Asia		1 137	24 107	11 666	27.1	3 155
	<i>South Asia</i>	1 602	4 755	1 766	4.1	1 126
	<i>East Asia</i>	634	7 452	3 410	7.9	2 204
	<i>Mainland Southeast Asia</i>	1 872	3 629	1 783	4.1	7 929
	<i>Maritime Southeast Asia</i>	2 740	8 270	4 707	10.9	13 171
Europe		540	12 426	6 548	15.2	8 941
Western and Central Europe		811	3 964	2 098	4.9	3 999
	<i>Northern Europe</i>	913	1 150	836	1.9	33 375
	<i>Western Europe</i>	928	1 319	599	1.4	2 360
	<i>Central Europe</i>	624	695	241	0.6	2 120
	<i>Mediterranean Europe</i>	731	800	423	1.0	3 193
Eastern Europe		467	8 462	4 449	10.3	21 430
	<i>Eastern Europe</i>	585	597	136	0.3	2 058
	<i>Russian Federation</i>	460	7 865	4 313	10.0	30 503
Oceania		586	4 733	892	2.1	33 469
Australia and New Zealand		574	4 598	819	1.9	32 366
Other Pacific Islands		2 062	135	73	0.2	54 059

Water withdrawal by sector, around 2003

Continent Regions	Subregions	Total withdrawal by sector						Total water withdrawal ** km ³ /year	Total freshwater withdrawal km ³ /year	Freshwater withdrawal as % of IRWR
		Municipal		Industrial		Agricultural				
		km ³ /year	%	km ³ /year	%	km ³ /year	%			
World		429	11	723	19	2 710	70	3 862	3 856	9
Africa		21	10	9	4	184	86	215	215	5
Northern Africa		9	9	5	6	80	85	94	94	201
Sub-Saharan Africa		13	10	4	3	105	87	121	121	3
	<i>Sudano Sahelian</i>	2.1	4	0.4	1	52.4	95	54.9	54.9	34.4
	<i>Gulf of Guinea</i>	2.5	20	1.1	9	8.8	71	12.4	12.4	1.3
	<i>Central Africa</i>	0.7	33	0.2	12	1.1	55	2.0	2.0	0.1
	<i>Eastern Africa</i>	1.5	11	0.2	2	12.4	88	14.2	14.2	5.0
	<i>Southern Africa</i>	5.2	24	1.3	6	15.1	70	21.7	21.7	8.0
	<i>Indian Ocean Islands</i>	0.6	4	0.3	2	14.8	94	15.7	15.7	4.6
Americas		126	16	280	35	385	49	791	790	4
Northern America		88	15	256	43	258	43	603	602	10
	<i>Northern America</i>	74.4	14	252.2	48	197.8	38	524.4	523.8	9.2
	<i>Mexico</i>	13.6	17	4.3	5	60.3	77	78.2	78.2	19.1
Central America and Caribbean		6	26	2	11	15	64	24	24	3
	<i>Central America</i>	2.1	23	1.2	13	5.8	64	9.1	9.1	1.3
	<i>Caribbean-Greater Antilles</i>	3.7	27	1.2	8	9.1	65	14.0	14.0	15.8
	<i>Caribbean-Lesser Antilles</i>	0.3	61	0.1	29	0.0	10	0.5	0.5	11.3
Southern America		32	19	21	13	112	68	165	165	1
	<i>Guyana</i>	0.1	3	0.0	1	2.2	96	2.3	2.3	0.5
	<i>Andean</i>	13.2	23	4.0	7	40.4	70	57.6	57.6	1.1
	<i>Brazil</i>	12.0	20	10.7	18	36.6	62	59.3	59.3	1.1
	<i>Southern America</i>	6.5	14	6.0	13	32.9	72	45.4	45.4	3.5

Continent Regions	Subregions	Total withdrawal by sector						Total water withdrawal **	Total freshwater withdrawal	Freshwater withdrawal as % of IRWR
		Municipal		Industrial		Agricultural				
		km ³ /year	%	km ³ /year	%	km ³ /year	%			
Asia		217	9	227	9	2 012	82	2 456	2 451	20
Middle East		25	9	20	7	227	83	271	268	55
	<i>Arabian Peninsula</i>	3.9	11	0.9	3	29.3	86	34.1	31.3	512.3
	<i>Caucasus</i>	1.7	10	2.7	16	12.2	73	16.7	16.7	22.8
	<i>Islamic Republic of Iran</i>	6.2	7	1.1	1	86.0	92	93.3	93.1	72.5
	<i>Near East</i>	13.5	11	14.9	12	99.0	78	127.4	127.2	46.0
Central Asia		5	3	8	5	150	92	163	162	61
Southern and Eastern Asia		186	9	200	10	1 635	81	2 021	2 021	17
	<i>South Asia</i>	69.9	7	19.5	2	914.1	91	1003.5	1003.6	56.8
	<i>East Asia</i>	93.4	14	149.8	22	434.2	64	677.5	677.4	19.9
	<i>Mainland Southeast Asia</i>	8.9	5	20.4	12	139.8	83	169.0	169.0	9.5
	<i>Maritime Southeast Asia</i>	14.1	8	10.1	6	146.9	86	171.1	171.0	3.6
Europe		61	16	204	55	109	29	374	374	6
Western and Central Europe		42	16	149	56	75	28	265	265	13
	<i>Northern Europe</i>	2.4	26	5.6	61	1.1	12	9.0	9.0	1.1
	<i>Western Europe</i>	17.3	16	85.4	77	8.5	8	111.2	111.2	18.6
	<i>Central Europe</i>	5.9	14	32.7	78	3.5	8	42.1	42.1	17.5
	<i>Mediterranean Europe</i>	16.0	16	25.0	24	61.6	60	102.6	102.3	24.2
Eastern Europe		19	18	56	51	35	32	110	110	2
	<i>Eastern Europe</i>	5.9	14	16.1	37	21.4	49	43.4	43.4	31.8
	<i>Russian Federation</i>	13.4	20	39.6	60	13.2	20	66.2	66.2	1.5
Oceania		5	17	3	10	19	73	26	26	3
Australia and New Zealand		5	17	3	10	19	73	26	26	3
Other Pacific Islands		0.01	14	0.01	14	0.05	71	0.1	0.1	0.1

** Includes use of desalinated water

Source: FAO, 2010. AQUASTAT database. <http://www.fao.org/nr/aquastat>

Area equipped for irrigation and percentage of cultivated land

Continent Regions	Subregions	year	Total area equipped for irrigation (million ha)			By groundwater		Total irrigation as % of cultivated land		
			1970	1990	2009	Area 2009	% of total 2009	1970	1990	2009
World			167.9	245.7	300.9	112.9	37.5	11.8	16.2	19.7
Africa			8.4	11.0	13.6	2.5	18.5	4.7	5.4	5.4
Northern Africa			4.4	5.1	6.4	2.1	32.8	18.4	19.2	22.7
Sub-Saharan Africa			4.1	5.9	7.2	0.4	5.8	2.6	3.3	3.2
	<i>Sudano Sahelian</i>		1.9	2.3	2.7	0.12	4.6	5.6	6.2	4.7
	<i>Gulf of Guinea</i>		0.3	0.5	0.6	0.09	14.6	0.7	1.0	0.9
	<i>Central Africa</i>		0.1	0.1	0.1	0.02	12.8	0.5	0.6	0.6
	<i>Eastern Africa</i>		0.2	0.4	0.6	0.02	3.4	0.7	1.0	1.5
	<i>Southern Africa</i>		1.1	1.5	2.1	0.16	7.7	4.6	5.6	6.5
	<i>Indian Ocean Islands</i>		0.3	1.0	1.1	0.01	0.7	13.4	28.7	29.3
Americas			26.6	38.5	48.9	21.6	44.1	7.2	9.9	12.4
Northern America			20.0	27.2	35.5	19.1	54.0	7.5	10.2	14.0
	<i>Northern America</i>		16.4	21.6	29.0	16.7	57.4	6.7	9.0	12.9
	<i>Mexico</i>		3.6	5.6	6.4	2.5	38.8	15.5	21.3	23.3
Central America and Caribbean			0.9	1.7	1.9	0.7	36.3	7.8	11.8	12.5
	<i>Central America</i>		0.2	0.4	0.5	0.2	28.3	3.8	5.6	6.8
	<i>Caribbean-Greater Antilles</i>		0.7	1.2	1.3	0.5	39.6	12.5	18.7	19.3
	<i>Caribbean-Lesser Antilles</i>		0.01	0.01	0.01	0.003	40.7	2.5	7.6	4.5
Southern America			5.7	9.6	11.6	1.7	14.9	6.3	8.7	9.1
	<i>Guyana</i>		0.1	0.2	0.2	0.0003	0.1	35.0	32.5	40.0
	<i>Andean</i>		2.2	3.4	4.2	0.7	15.8	14.0	18.9	23.8
	<i>Brazil</i>		0.8	2.7	3.1	0.6	18.8	1.9	4.7	4.6
	<i>Southern America</i>		2.6	3.3	4.0	0.5	11.7	7.6	9.8	9.9

Continent Regions	Subregions	year	Total area equipped for irrigation (million ha)			By groundwater		Total irrigation as % of cultivated land		
			1970	1990	2009	Area 2009	% of total 2009	1970	1990	2009
Asia			116.2	168.4	211.8	80.6	38.0	23.3	30.3	39.1
Middle East			11.0	19.8	23.6	10.8	46.0	17.8	30.0	36.6
	<i>Arabian Peninsula</i>		0.7	2.1	2.8	2.5	88.4	24.2	39.5	49.2
	<i>Caucasus</i>		1.1	2.1	2.1	0.1	6.9	29.6	56.5	67.2
	<i>Islamic Republic of Iran</i>		5.2	7.0	8.3	5.2	62.1	33.1	42.4	44.2
	<i>Near East</i>		4.0	8.7	10.3	3.1	29.7	10.2	21.3	28.2
Central Asia			8.1	13.6	14.7	1.1	7.8	15.3	26.0	37.2
Southern and Eastern Asia			97.0	135.0	173.6	68.6	39.5	25.3	30.8	39.6
	<i>South Asia</i>		45.0	66.8	85.1	48.3	56.7	22.8	32.7	41.7
	<i>East Asia</i>		42.9	53.3	67.6	19.3	28.6	37.7	37.4	51.0
	<i>Mainland Southeast Asia</i>		4.1	8.6	12.5	0.6	5.0	12.1	20.5	27.6
	<i>Maritime Southeast Asia</i>		5.0	6.3	8.3	0.3	4.1	12.9	12.7	14.8
Europe			15.1	25.7	22.7	7.3	32.4	4.6	8.0	7.7
Western and Central Europe			10.8	17.7	17.8	6.9	38.6	7.4	12.8	14.2
	<i>Northern Europe</i>		0.2	0.7	0.9	0.5	60.6	1.9	8.2	10.5
	<i>Western Europe</i>		1.7	3.2	4.1	2.1	51.6	3.8	7.5	9.6
	<i>Central Europe</i>		2.2	5.0	2.4	0.3	12.5	4.6	10.9	5.9
	<i>Mediterranean Europe</i>		6.7	8.7	10.4	3.9	37.8	15.3	21.4	31.2
Eastern Europe			4.3	8.0	4.9	0.5	10.1	2.3	4.4	2.9
	<i>Eastern Europe</i>		1.6	2.9	2.5	0.0	0.7	3.2	6.0	5.6
	<i>Russian Federation</i>		2.7	5.1	2.4	0.5	20.0	2.0	3.8	1.9
Oceania			1.6	2.1	4.0	0.9	23.9	3.5	4.1	8.7
Australia and new Zealand			1.6	2.1	4.0	0.9	24.0	3.5	4.2	8.8
Other Pacific Islands			0.001	0.001	0.004	0.0	18.7	0.2	0.2	0.6

Source: FAO. 2010. AQUASTAT database. <http://www.fao.org/nr/aquastat> and FAO. 2010. FAOSTAT database. <http://faostat.fao.org/>

COMPOSITION OF REGIONAL GROUPS

AFRICA
Northern Africa
Algeria, Egypt, Libyan Arab Jamahiriya, Morocco, Tunisia
Sudano-Sahelian
Burkina Faso, Cape Verde, Chad, Djibouti, Eritrea, Gambia, Mali, Mauritania, Niger, Senegal, Somalia, Sudan
Gulf of Guinea
Benin, Côte d'Ivoire, Ghana, Guinea, Guinea-Bissau, Liberia, Nigeria, Sierra Leone, Togo
Central Africa
Angola, Cameroon, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Sao Tome and Principe
Eastern Africa
Burundi, Ethiopia, Kenya, Rwanda, Uganda, United Republic of Tanzania
Southern Africa
Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia, Zimbabwe
Indian Ocean Islands
Comoros, Madagascar, Mauritius, Seychelles
ASIA
Arabian Peninsula
Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates, Yemen
Caucasus
Armenia, Azerbaijan, Georgia
Islamic Republic of Iran
Islamic Republic of Iran
Near East
Iraq, Israel, Jordan, Lebanon, Occupied Palestinian Territory, Syrian Arab Republic, Turkey
Central Asia
Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan
South Asia
Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka
East Asia
China, Democratic People's Republic of Korea, Japan, Mongolia, Republic of Korea
Mainland Southeast Asia
Cambodia, Lao People's Democratic Republic, Myanmar, Thailand, Viet Nam
Maritime Southeast Asia
Brunei Darussalam, Indonesia, Malaysia, Papua New Guinea, Philippines, Singapore, Timor-Leste
AMERICAS
Northern America
USA, Canada
Mexico
Mexico
Central America
Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama
Caribbean – Greater Antilles
Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico
Caribbean – Lesser Antilles
Antigua and Barbuda, Bahamas, Barbados, Dominica, Grenada, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago
Guyana
French Guiana (France), Guyana, Surinam
Andean
Bolivia (Plurinational State of), Colombia, Ecuador, Peru, Venezuela (Bolivarian Republic of)
Brazil
Brazil
Southern America
Argentina, Chile, Paraguay, Uruguay
OCEANIA
Australia and New Zealand
Australia and New Zealand
Other Pacific Islands
Cook Islands, Fiji, Kiribati, Micronesia (Federated States of), Nauru, Niue, Palau, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu
EUROPE
Northern Europe
Denmark, Faroe Islands, Finland, Iceland, Norway, Sweden
Western Europe
Andorra, Austria, Belgium, France, Germany, Ireland, Liechtenstein, Luxembourg, Netherlands, Switzerland, United Kingdom
Central Europe
Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia
Mediterranean Europe
Albania, Cyprus, Greece, Holy See, Italy, Malta, Monaco, Portugal, San Marino, Spain, The former Yugoslav Republic of Macedonia
Eastern Europe
Belarus, Estonia, Latvia, Lithuania, Republic of Moldova, Ukraine
Russian Federation
Russian Federation