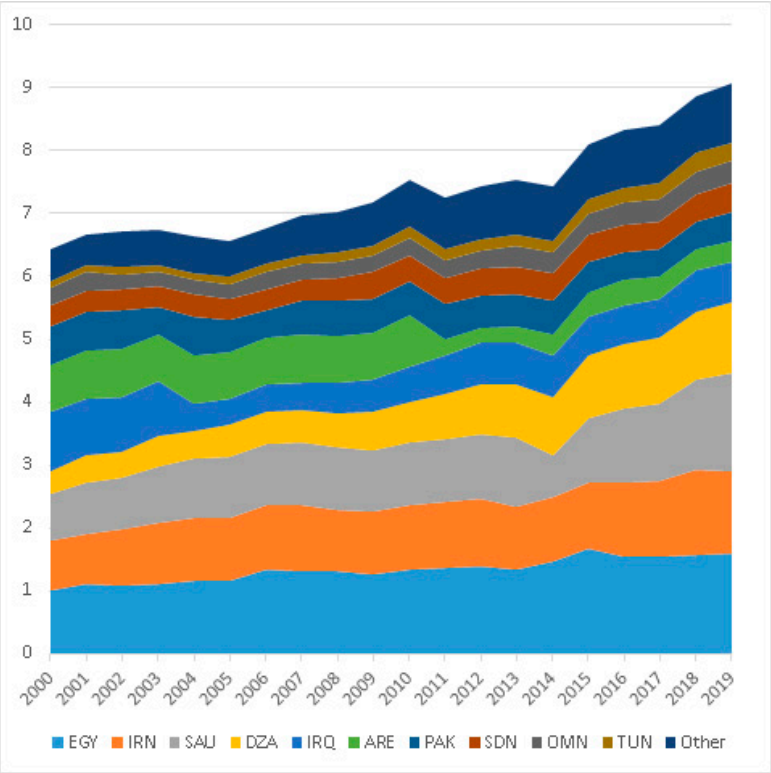

Figure S1. Global date production (million tonnes) between 2000 and 2019. Data from FAOSTAT (2022).

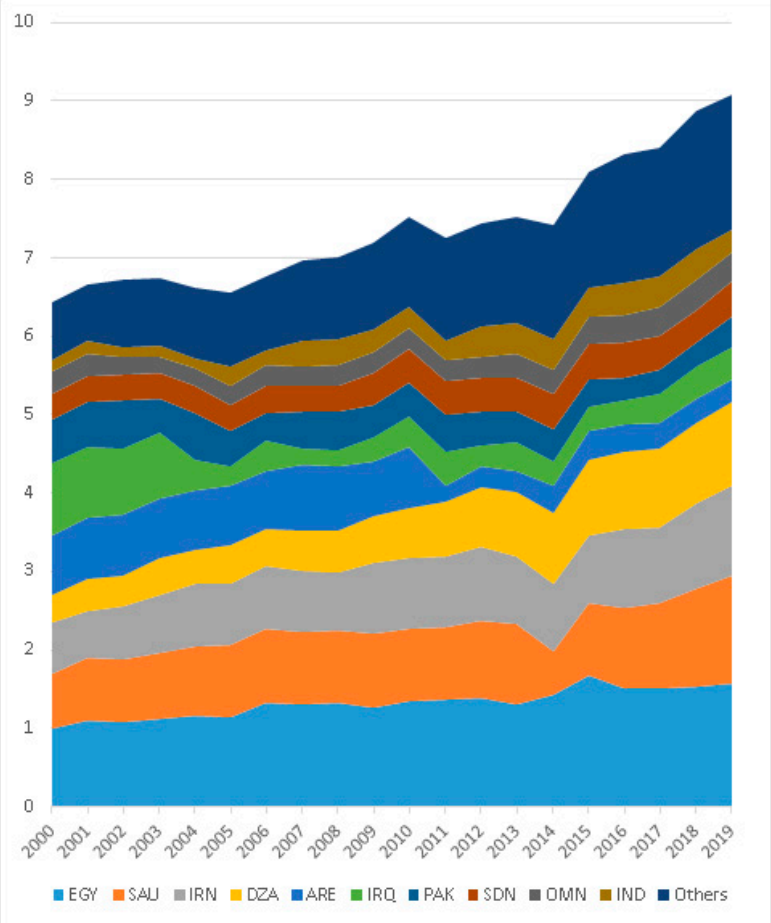

Figure S2. Global date consumption (million tonnes) between 2000 and 2019.

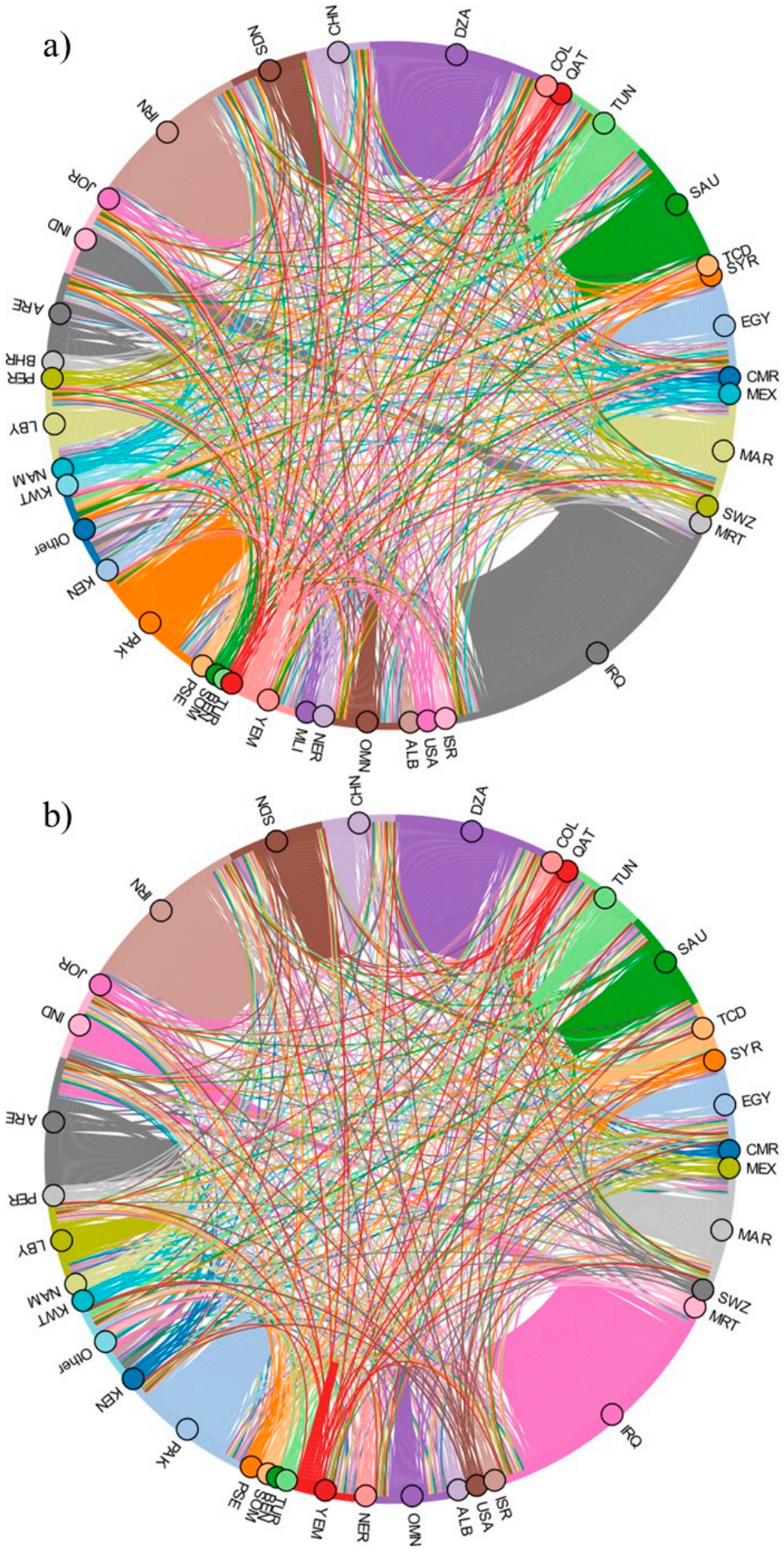
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Figure S3. The production, consumption, and international flows in which are embedded a) land, and b) green water linked to dates consumption in 2019. Only the consumers accounting for at least 1% of the global extent of each footprint are shown. Flows are coloured according to the country of production. The outermost circle indicates all the flows involving a country, either production, import, or export. The innermost circle represents the production and export of countries according to the corresponding dot's color. Where from the inner circle there is no outgoing flow, the corresponding truncated circular sector represents the domestic consumption. See the complete list of acronyms in tab. S1.

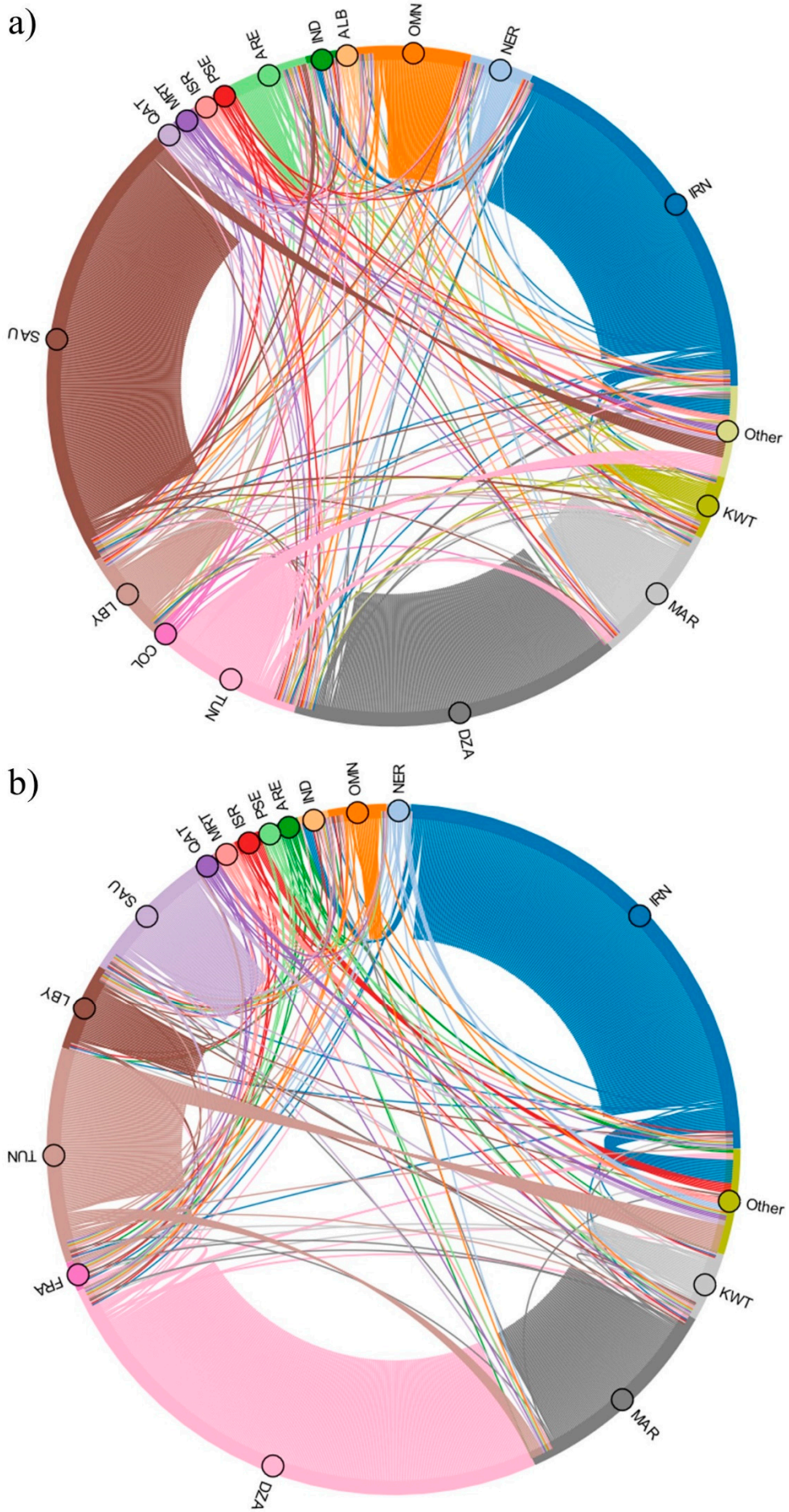
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Figure S4. The production, consumption, and international in which are embedded a) blue water, and b) water scarcity linked to dates consumption in 2019. Only the consumers accounting for at least 1% of the global extent of each footprint are shown. Flows are coloured according to the country of production. The outermost circle indicates all the flows involving a country, either production, import, or export. The innermost circle represents the production and export of countries according to the corresponding dot's color. Where from the inner circle there is no outgoing flow, the corresponding truncated circular sector represents the domestic consumption. See the complete list of acronyms in tab. S1.

Table S1. List of countries included in the analysis with the related ISO3 code and the corresponding area.

Num.	Country	ISO3 Code	Area
1	Aruba	ABW	Northern America
2	Afghanistan	AFG	Asia
3	Angola	AGO	Africa
4	Anguilla	AIA	Northern America
5	Aaland Islands	ALA	EU
6	Albania	ALB	Europe
7	Andorra	AND	Europe
8	Netherlands Antilles (former)	ANT	Northern America
9	United Arab Emirates	ARE	Asia
10	Argentina	ARG	South America
11	Armenia	ARM	Asia
12	American Samoa	ASM	Oceania
13	Antarctica	ATA	
14	French Southern and Antarctic Territories	ATF	
15	Antigua and Barbuda	ATG	Northern America
16	Australia	AUS	Oceania
17	Austria	AUT	EU
18	Azerbaijan	AZE	Asia
19	Burundi	BDI	Africa
20	Belgium	BEL	EU
21	Benin	BEN	Africa
22	Bonaire, Sint Eustatius and Saba	BES	South America
23	Burkina Faso	BFA	Africa
24	Bangladesh	BGD	Asia
25	Bulgaria	BGR	EU
26	Bahrain	BHR	Asia
27	Bahamas	BHS	Northern America
28	Bosnia and Herzegovina	BIH	Europe
29	Saint Barthélemy	BLM	South America
30	Belarus	BLR	Europe
31	Belize	BLZ	Northern America
32	Bermuda	BMU	Northern America
33	Bolivia (Plurinational State of)	BOL	South America
34	Brazil	BRA	South America
35	Barbados	BRB	Northern America
36	Brunei Darussalam	BRN	Asia

37	Bhutan	BTN	Asia
38	Bouvet Island	BVT	
39	Botswana	BWA	Africa
40	Central African Republic	CAF	Africa
41	Canada	CAN	Northern America
42	Cocos (Keeling) Islands	CCK	Oceania
43	Channel Islands	CHA	Europe
44	Switzerland	CHE	Europe
45	Chile	CHL	South America
46	China, mainland	CHN	Asia
47	CÃ´te d'Ivoire	CIV	Africa
48	Cameroon	CMR	Africa
49	Democratic Republic of the Congo	COD	Africa
50	Congo	COG	Africa
51	Cook Islands	COK	Oceania
52	Colombia	COL	South America
53	Comoros	COM	Africa
54	Cabo Verde	CPV	Africa
55	Costa Rica	CRI	Northern America
56	Cuba	CUB	Northern America
57	Curaçao	CUW	South America
58	Christmas Island	CXR	Oceania
59	Cayman Islands	CYM	Northern America
60	Cyprus	CYP	EU
61	Czechia	CZE	EU
62	Germany	DEU	EU
63	Djibouti	DJI	Africa
64	Dominica	DMA	Northern America
65	Denmark	DNK	EU
66	Dominican Republic	DOM	Northern America
67	Algeria	DZA	Africa
68	Ecuador	ECU	South America
69	Egypt	EGY	Africa
70	Eritrea	ERI	Africa
71	Western Sahara	ESH	Africa
72	Spain	ESP	EU
73	Estonia	EST	EU
74	Ethiopia	ETH	Africa
75	Finland	FIN	EU
76	Fiji	FJI	Oceania
77	Falkland Islands (Malvinas)	FLK	South America
78	France	FRA	EU
79	Faroe Islands	FRO	Europe
80	Micronesia (Federated States of)	FSM	Oceania
81	Gabon	GAB	Africa
82	United Kingdom	GBR	EU
83	Georgia	GEO	Asia
84	Ghana	GHA	Africa
85	Gibraltar	GIB	Europe

86	Guinea	GIN	Africa
87	Guadeloupe	GLP	Northern America
88	Gambia	GMB	Africa
89	Guinea-Bissau	GNB	Africa
90	Equatorial Guinea	GNQ	Africa
91	Greece	GRC	EU
92	Grenada	GRD	Northern America
93	Greenland	GRL	Northern America
94	Guatemala	GTM	Northern America
95	French Guiana	GUF	South America
96	Guam	GUM	Oceania
97	Guyana	GUY	South America
98	China, Hong Kong SAR	HKG	Asia
99	Heard and McDonald Islands	HMD	
100	Honduras	HND	Northern America
101	Croatia	HRV	Europe from 2007 to 2013, EU from 2014 to 2018
102	Haiti	HTI	Northern America
103	Hungary	HUN	EU
104	Indonesia	IDN	Asia
105	Isle of Man	IMN	Europe
106	India	IND	Asia
107	British Indian Ocean Territory	IOT	
108	Ireland	IRL	EU
109	Iran (Islamic Republic of)	IRN	Asia
110	Iraq	IRQ	Asia
111	Iceland	ISL	Europe
112	Israel	ISR	Asia
113	Italy	ITA	EU
114	Jamaica	JAM	Northern America
115	Jersey	JEY	Europe
116	Jordan	JOR	Asia
117	Japan	JPN	Asia
118	Johnston Island	JTN	
119	Kazakhstan	KAZ	Asia
120	Kenya	KEN	Africa
121	Kyrgyzstan	KGZ	Asia
122	Cambodia	KHM	Asia
123	Kiribati	KIR	Oceania
124	Saint Kitts and Nevis	KNA	Northern America
125	Republic of Korea	KOR	Asia
126	Kuwait	KWT	Asia
127	Lao People's Democratic Republic	LAO	Asia
128	Lebanon	LBN	Asia
129	Liberia	LBR	Africa
130	Libya	LBY	Africa
131	Saint Lucia	LCA	Northern America
132	Liechtenstein	LIE	Europe
133	Sri Lanka	LKA	Asia

134	Lesotho	LSO	Africa
135	Lithuania	LTU	EU
136	Luxembourg	LUX	EU
137	Latvia	LVA	EU
138	China, Macao SAR	MAC	Asia
139	Saint-Martin (French Part)	MAF	South America
140	Morocco	MAR	Africa
141	Monaco	MCO	Europe
142	Republic of Moldova	MDA	Europe
143	Madagascar	MDG	Africa
144	Maldives	MDV	Asia
145	Mexico	MEX	Northern America
146	Marshall Islands	MHL	Oceania
147	Midway Island	MID	
148	North Macedonia	MKD	Europe
149	Mali	MLI	Africa
150	Malta	MLT	EU
151	Myanmar	MMR	Asia
152	Montenegro	MNE	Europe
153	Mongolia	MNG	Asia
154	Northern Mariana Islands	MNP	Oceania
155	Mozambique	MOZ	Africa
156	Mauritania	MRT	Africa
157	Montserrat	MSR	Northern America
158	Martinique	MTQ	Northern America
159	Mauritius	MUS	Africa
160	Malawi	MWI	Africa
161	Malaysia	MYS	Asia
162	Mayotte	MYT	Africa
163	Namibia	NAM	Africa
164	New Caledonia	NCL	Oceania
165	Niger	NER	Africa
166	Norfolk Island	NFK	Oceania
167	Nigeria	NGA	Africa
168	Nicaragua	NIC	Northern America
169	Niue	NIU	Oceania
170	Netherlands	NLD	EU
171	Norway	NOR	Europe
172	Nepal	NPL	Asia
173	Nauru	NRU	Oceania
174	New Zealand	NZL	Oceania
175	Oman	OMN	Asia
176	Pakistan	PAK	Asia
177	Panama	PAN	Northern America
178	Pitcairn Islands	PCN	Oceania
179	Peru	PER	South America
180	Philippines	PHL	Asia
181	Palau	PLW	Oceania
182	Papua New Guinea	PNG	Oceania

183	Poland	POL	EU
184	Puerto Rico	PRI	Northern America
185	Democratic People's Republic of Korea	PRK	Asia
186	Portugal	PRT	EU
187	Paraguay	PRY	South America
188	Palestine	PSE	Asia
189	French Polynesia	PYF	Oceania
190	Qatar	QAT	Asia
191	RÃ©union	REU	Africa
192	Romania	ROU	EU
193	Russian Federation	RUS	Europe
194	Rwanda	RWA	Africa
195	Saudi Arabia	SAU	Asia
196	Serbia and Montenegro	SCG	Europe
197	Sudan	SDN	Africa
198	Senegal	SEN	Africa
199	Singapore	SGP	Asia
200	South Georgia and the South Sandwich Islands	SGS	
201	Saint Helena, Ascension and Tristan da Cunha	SHN	Africa
202	Svalbard and Jan Mayen Islands	SJM	Europe
203	Solomon Islands	SLB	Oceania
204	Sierra Leone	SLE	Africa
205	El Salvador	SLV	Northern America
206	San Marino	SMR	Europe
207	Somalia	SOM	Africa
208	Saint Pierre and Miquelon	SPM	Northern America
209	Serbia	SRB	Europe
210	South Sudan	SSD	Africa
211	Sao Tome and Principe	STP	Africa
212	Suriname	SUR	South America
213	Slovakia	SVK	EU
214	Slovenia	SVN	EU
215	Sweden	SWE	EU
216	Eswatini	SWZ	Africa
217	Sint Maarten (Dutch Part)	SXM	South America
218	Seychelles	SYC	Africa
219	Syrian Arab Republic	SYR	Asia
220	Turks and Caicos Islands	TCA	Northern America
221	Chad	TCD	Africa
222	Togo	TGO	Africa
223	Thailand	THA	Asia
224	Tajikistan	TJK	Asia
225	Tokelau	TKL	Oceania
226	Turkmenistan	TKM	Asia
227	Timor-Leste	TLS	Asia
228	Tonga	TON	Oceania
229	Trinidad and Tobago	TTO	Northern America
230	Tunisia	TUN	Africa

231	Turkey	TUR	Asia
232	Tuvalu	TUV	Oceania
233	China, Taiwan Province of	TWN	Asia
234	United Republic of Tanzania	TZA	Africa
235	Uganda	UGA	Africa
236	Ukraine	UKR	Europe
237	US Minor Is.	UMI	
238	Uruguay	URY	South America
239	United States of America	USA	Northern America
240	Uzbekistan	UZB	Asia
241	Holy See	VAT	Europe
242	Saint Vincent and the Grenadines	VCT	Northern America
243	Venezuela (Bolivarian Republic of)	VEN	South America
244	British Virgin Islands	VGB	Northern America
245	United States Virgin Islands	VIR	Northern America
246	Viet Nam	VNM	Asia
247	Vanuatu	VUT	Oceania
248	Wake Island	WAK	
249	Wallis and Futuna Islands	WLF	Oceania
250	Samoa	WSM	Oceania
251	Yemen	YEM	Asia
252	South Africa	ZAF	Africa
253	Zambia	ZMB	Africa
254	Zimbabwe	ZWE	Africa