

Appendix 2-1 Country List (GAUL) and regionalizations

The Global Administrative Unit Layers (GAUL) provides authoritative global spatial information on administrative units for all countries in the world. GAUL is an initiative implemented by the Food and Agriculture Organization (FAO) of the United Nations. For aggregating GAEZ country results and information at regional and continental level, the countries included in the GAUL have been codified according to three levels of supra-national regionalization.

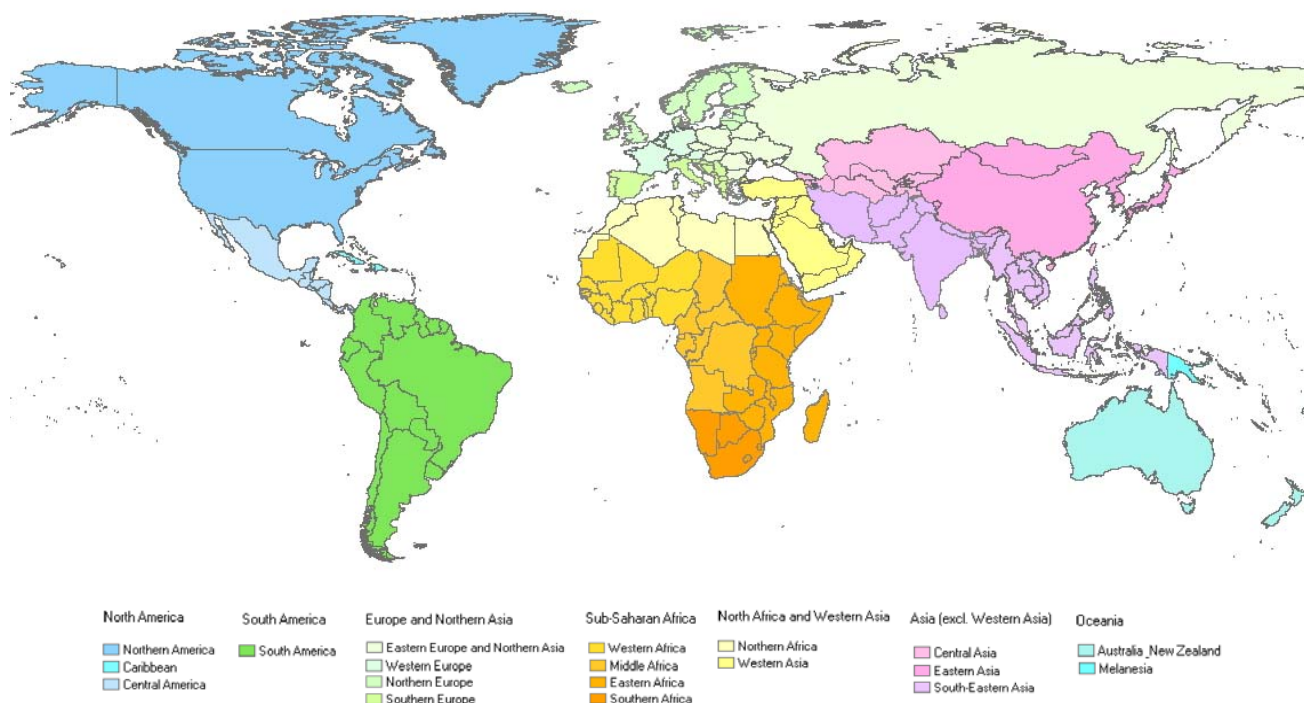


Table 2-1 RG1 and RG2 regionalization in GAEZ

RG1 code	REGION 1	RG2 code	REGION 2
11	Northern America	10	Northern America
21	Eastern Europe and Russian Federation	20	Europe and Russian Federation
22	Northern Europe	30	Central America and Caribbean
23	Southern Europe	40	South America
24	Western Europe	50	Oceania
31	Caribbean	60	Sub-Saharan Africa
32	Central America	70	Northern Africa & Western Asia
41	South America	80	Central, South, South-eastern and Eastern Asia
51	Australia & New Zealand	90	Antarctica
52	Pacific Islands		
61	Eastern Africa		
62	Sudano-Sahelian Africa		
63	Central Africa		
64	Northern Africa		
65	Southern Africa		
66	Western Africa		
67	Gulf of Guinea		
71	Western Asia		
81	South-eastern Asia		
82	Southern Asia		
84	Eastern Asia		
85	Central Asia		
90	Antarctica		

Table 2-2 RG3 regionalization in GAEZ

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
1	Canada	11	Northern America	10	North America	High income
2	Greenland	11	Northern America	10	North America	High income
3	United States of America	11	Northern America	10	North America	High income
4	Belarus	21	Eastern Europe	20	Europe	Upper middle income
5	Bulgaria	21	Eastern Europe	20	Europe	Upper middle income
6	Czech Republic	21	Eastern Europe	20	Europe	High income
7	Hungary	21	Eastern Europe	20	Europe	High income
8	Moldova, Republic of	21	Eastern Europe	20	Europe	Upper middle income
9	Poland	21	Eastern Europe	20	Europe	High income
10	Romania	21	Eastern Europe	20	Europe	Upper middle income
11	Russian Federation	21	Eastern Europe	20	Europe	Upper middle income
12	Slovakia	21	Eastern Europe	20	Europe	High income
13	Ukraine	21	Eastern Europe	20	Europe	Lower middle income
14	Denmark	22	Northern Europe	20	Europe	High income
15	Estonia	22	Northern Europe	20	Europe	High income
16	Faroe Islands	22	Northern Europe	20	Europe	High income
17	Finland	22	Northern Europe	20	Europe	High income
18	Iceland	22	Northern Europe	20	Europe	High income
19	Ireland	22	Northern Europe	20	Europe	High income
20	Isle of Man	22	Northern Europe	20	Europe	High income
21	Latvia	22	Northern Europe	20	Europe	Upper middle income
22	Lithuania	22	Northern Europe	20	Europe	Upper middle income
23	Norway	22	Northern Europe	20	Europe	High income
24	Sweden	22	Northern Europe	20	Europe	High income
25	United Kingdom	22	Northern Europe	20	Europe	High income
26	Albania	23	Southern Europe	20	Europe	Upper middle income
27	Bosnia and Herzegovina	23	Southern Europe	20	Europe	Upper middle income
28	Croatia	23	Southern Europe	20	Europe	High income
29	Greece	23	Southern Europe	20	Europe	High income
30	Italy	23	Southern Europe	20	Europe	High income
31	Madeira Islands	23	Southern Europe	20	Europe	High income
32	Montenegro	23	Southern Europe	20	Europe	Upper middle income
33	Portugal	23	Southern Europe	20	Europe	High income
34	Republic of Serbia	23	Southern Europe	20	Europe	Upper middle income
35	Slovenia	23	Southern Europe	20	Europe	High income
36	Spain	23	Southern Europe	20	Europe	High income
37	The frn Yug Rep of Macedonia	23	Southern Europe	20	Europe	Upper middle income
38	Austria	24	Western Europe	20	Europe	High income
39	Belgium	24	Western Europe	20	Europe	High income
40	France	24	Western Europe	20	Europe	High income
41	Germany	24	Western Europe	20	Europe	High income
42	Luxembourg	24	Western Europe	20	Europe	High income

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
43	Netherlands	24	Western Europe	20	Europe	High income
44	Switzerland	24	Western Europe	20	Europe	High income
45	Bahamas	31	Caribbean	10	North America	High income
46	Cuba	31	Caribbean	10	North America	Upper middle income
47	Dominica	31	Caribbean	10	North America	Upper middle income
48	Dominican Republic	31	Caribbean	10	North America	Upper middle income
49	Guadeloupe	31	Caribbean	10	North America	High income
49	Guatemala	32	Central America	10	North America	Lower middle income
50	Haiti	31	Caribbean	10	North America	Low income
51	Jamaica	31	Caribbean	10	North America	Upper middle income
52	Martinique	31	Caribbean	10	North America	High income
53	Netherlands Antilles	31	Caribbean	10	North America	High income
54	Puerto Rico	31	Caribbean	10	North America	High income
55	Trinidad and Tobago	31	Caribbean	10	North America	High income
56	Belize	32	Central America	10	North America	Lower middle income
57	Costa Rica	32	Central America	10	North America	Upper middle income
58	El Salvador	32	Central America	10	North America	Lower middle income
60	Honduras	32	Central America	10	North America	Lower middle income
61	Mexico	32	Central America	10	North America	Upper middle income
62	Nicaragua	32	Central America	10	North America	Lower middle income
63	Panama	32	Central America	10	North America	Upper middle income
64	Argentina	41	South America	40	South America	Upper middle income
65	Bolivia	41	South America	40	South America	Lower middle income
66	Brazil	41	South America	40	South America	Upper middle income
67	Chile	41	South America	40	South America	Upper middle income
68	Colombia	41	South America	40	South America	Upper middle income
69	Ecuador	41	South America	40	South America	Upper middle income
70	Falkland Islands (Malvinas)	41	South America	40	South America	N/A
71	French Guiana	41	South America	40	South America	High income
72	Guyana	41	South America	40	South America	Lower middle income
73	Paraguay	41	South America	40	South America	Lower middle income
74	Peru	41	South America	40	South America	Upper middle income
75	Suriname	41	South America	40	South America	Upper middle income
76	Uruguay	41	South America	40	South America	Upper middle income
77	Venezuela	41	South America	40	South America	Upper middle income
78	Australia	51	Australia and New Zealand	50	Oceania	High income
79	New Zealand	51	Australia and New Zealand	50	Oceania	High income
80	Fiji	52	Melanesia	50	Oceania	Lower middle income
81	New Caledonia	52	Melanesia	50	Oceania	High income
82	Papua New Guinea	52	Melanesia	50	Oceania	Lower middle income
83	Solomon Islands	52	Melanesia	50	Oceania	Lower middle income
84	Vanuatu	52	Melanesia	50	Oceania	Lower middle income
85	Burundi	61	Eastern Africa	60	Sub-Saharan Africa	Low income
86	Comoros	61	Eastern Africa	60	Sub-Saharan Africa	Low income

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
87	Djibouti	61	Eastern Africa	60	Sub-Saharan Africa	Lower middle income
88	Eritrea	61	Eastern Africa	60	Sub-Saharan Africa	Low income
89	Ethiopia	61	Eastern Africa	60	Sub-Saharan Africa	Low income
90	Ilemi triangle	61	Eastern Africa	60	Sub-Saharan Africa	Low income
91	Kenya	61	Eastern Africa	60	Sub-Saharan Africa	Low income
92	Madagascar	61	Eastern Africa	60	Sub-Saharan Africa	Low income
93	Malawi	61	Eastern Africa	60	Sub-Saharan Africa	Low income
94	Mozambique	61	Eastern Africa	60	Sub-Saharan Africa	Low income
95	Rwanda	61	Eastern Africa	60	Sub-Saharan Africa	Low income
96	Somalia	61	Eastern Africa	60	Sub-Saharan Africa	Low income
97	North Sudan	63	Northern Africa	70	North Africa & Western Asia	Lower middle income
97	South Sudan	63	Northern Africa	70	North Afr. & West. Asia	Lower middle income
98	Uganda	61	Eastern Africa	60	Sub-Saharan Africa	Low income
99	United Republic of Tanzania	61	Eastern Africa	60	Sub-Saharan Africa	Low income
100	Zambia	61	Eastern Africa	60	Sub-Saharan Africa	Lower middle income
101	Zimbabwe	61	Eastern Africa	60	Sub-Saharan Africa	Low income
102	Angola	62	Middle Africa	60	Sub-Saharan Africa	Lower middle income
103	Cameroon	62	Middle Africa	60	Sub-Saharan Africa	Lower middle income
104	Central African Republic	62	Middle Africa	60	Sub-Saharan Africa	Low income
105	Chad	62	Middle Africa	60	Sub-Saharan Africa	Low income
106	Congo	62	Middle Africa	60	Sub-Saharan Africa	Low income
107	Dem Republic of the Congo	62	Middle Africa	60	Sub-Saharan Africa	Lower middle income
108	Equatorial Guinea	62	Middle Africa	60	Sub-Saharan Africa	Low income
109	Gabon	62	Middle Africa	60	Sub-Saharan Africa	Upper middle income
110	Sao Tome and Principe	62	Middle Africa	60	Sub-Saharan Africa	Lower middle income
111	Algeria	11	Northern Africa	70	North Africa & Western Asia	Upper middle income
112	Egypt	63	Northern Africa	70	North Africa & Western Asia	Lower middle income
113	Hala'ib triangle	63	Northern Africa	70	North Africa & Western Asia	Lower middle income
114	Libyan Arab Jamahiriya	63	Northern Africa	70	North Africa & Western Asia	Upper middle income
115	Ma'tan al-Sarra	63	Northern Africa	70	North Africa & Western Asia	Upper middle income
116	Morocco	63	Northern Africa	70	North Africa & Western Asia	Lower middle income
117	Tunisia	63	Northern Africa	70	North Africa & Western Asia	Upper middle income
118	Western Sahara	63	Northern Africa	70	North Africa & Western Asia	Lower middle income
119	Botswana	64	Southern Africa	60	Sub-Saharan Africa	Upper middle income
120	Lesotho	64	Southern Africa	60	Sub-Saharan Africa	Lower middle income
121	Namibia	64	Southern Africa	60	Sub-Saharan Africa	Upper middle income
122	South Africa	64	Southern Africa	60	Sub-Saharan Africa	Upper middle income
123	Swaziland	64	Southern Africa	60	Sub-Saharan Africa	Lower middle income
124	Benin	65	Western Africa	60	Sub-Saharan Africa	Low income

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
125	Burkina Faso	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
126	Cote d'Ivoire	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
127	Gambia	65	Western Africa	60	Sub-Saharan Africa	Low income
128	Ghana	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
129	Guinea	65	Western Africa	60	Sub-Saharan Africa	Low income
130	Guinea-Bissau	65	Western Africa	60	Sub-Saharan Africa	Low income
131	Liberia	65	Western Africa	60	Sub-Saharan Africa	Low income
132	Mali	65	Western Africa	60	Sub-Saharan Africa	Low income
133	Mauritania	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
134	Niger	65	Western Africa	60	Sub-Saharan Africa	Low income
135	Nigeria	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
136	Senegal	65	Western Africa	60	Sub-Saharan Africa	Lower middle income
137	Sierra Leone	65	Western Africa	60	Sub-Saharan Africa	Low income
138	Togo	65	Western Africa	60	Sub-Saharan Africa	Low income
139	Cyprus	71	Western Asia	70	North Africa & Western Asia	High income
140	Iraq	71	Western Asia	70	North Africa & Western Asia	Lower middle income
141	Israel	71	Western Asia	70	North Africa & Western Asia	High income
142	Jordan	71	Western Asia	70	North Africa & Western Asia	Upper middle income
143	Kuwait	71	Western Asia	70	North Africa & Western Asia	High income
144	Lebanon	71	Western Asia	70	North Africa & Western Asia	Upper middle income
145	Oman	71	Western Asia	70	North Africa & Western Asia	High income
146	Qatar	71	Western Asia	70	North Africa & Western Asia	High income
147	Saudi Arabia	71	Western Asia	70	North Africa & Western Asia	High income
148	Syrian Arab Republic	71	Western Asia	70	North Africa & Western Asia	Lower middle income
149	Turkey	71	Western Asia	70	North Africa & Western Asia	Upper middle income
150	United Arab Emirates	71	Western Asia	70	North Africa & Western Asia	High income
151	West Bank	71	Western Asia	70	North Africa & Western Asia	Lower middle income
152	Yemen	71	Western Asia	70	North Africa & Western Asia	Lower middle income
153	Brunei Darussalam	81	South-Eastern Asia	80	Asia (excl. Western Asia)	High income
154	Cambodia	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Low income
155	Indonesia	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
156	Lao People's Dem Republic	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
157	Malaysia	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Upper middle income
158	Myanmar	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Low income
159	Philippines	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
160	Thailand	81	South-Eastern Asia	80	Asia (excl. W. A)	Lower middle income
161	Timor-Leste	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
162	Viet Nam	81	South-Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
163	Afghanistan	82	Southern Asia	80	Asia (excl. Western Asia)	Low income
164	Bangladesh	82	Southern Asia	80	Asia (excl. Western Asia)	Low income
165	Bhutan	82	Southern Asia	80	Asia (excl. Western Asia)	Lower middle income
166	India	82	Southern Asia	80	Asia (excl. Western Asia)	Lower middle income
167	Iran (Islamic Republic of)	82	Southern Asia	80	Asia (excl. Western Asia)	Upper middle income
168	Jammu Kashmir	82	South Asia	80	Asia (excl. Western Asia)	N/A
169	Nepal	82	Southern Asia	80	Asia (excl. Western Asia)	Low income
170	Pakistan	82	Southern Asia	80	Asia (excl. Western Asia)	Lower middle income
171	Sri Lanka	82	Southern Asia	80	Asia (excl. Western Asia)	Lower middle income
172	Aksai Chin	84	Eastern Asia	80	Asia (excl. Western Asia)	N/A
173	Arunashal Pradesh	84	Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
174	China	84	Eastern Asia	80	Asia (excl. Western Asia)	Upper middle income
175	China/India	84	Eastern Asia	80	Asia (excl. Western Asia)	N/A
176	Dem People's Rep of Korea	84	Eastern Asia	80	Asia (excl. Western Asia)	Low income
177	Hong Kong	84	Eastern Asia	80	Asia (excl. Western Asia)	High income
178	Japan	84	Eastern Asia	80	Asia (excl. Western Asia)	High income
179	Kuril islands	84	Eastern Asia	80	Asia (excl. Western Asia)	Upper middle income
180	Mongolia	84	Eastern Asia	80	Asia (excl. Western Asia)	Lower middle income
181	Republic of Korea	84	Eastern Asia	80	Asia (excl. Western Asia)	High income
182	Armenia	85	Central Asia	80	Asia (excl. Western Asia)	Lower middle income
183	Azerbaijan	85	Central Asia	80	Asia (excl. Western Asia)	Upper middle income
184	Georgia	85	Central Asia	80	Asia (excl. Western Asia)	Lower middle income
185	Kazakhstan	85	Central Asia	80	Asia (excl. Western Asia)	Upper middle income

GAEZ #	RG3 (country) name	RG2 code	RG2 name	RG1 code	RG1 name	Income level
186	Kyrgyzstan	85	Central Asia	80	Asia (excl. Western Asia)	Lower middle income
187	Tajikistan	85	Central Asia	80	Asia (excl. Western Asia)	Low income
188	Turkmenistan	85	Central Asia	80	Asia (excl. Western Asia)	Low income
189	Uzbekistan	85	Central Asia	80	Asia (excl. Western Asia)	Lower middle income
190	Rest of World*					

¹ **Rest of World** countries in GAEZ consist of countries with fewer than 10 pixels (except for Antarctica and Fr. South and Antarctic Territories) and comprise of the following countries: Heard Isl and McDonald Isl, S.Georgia and S.Sandwich Isl, Fr South and Antarctic Ter., Baker Island, Kingman Reef, Saint Pierre et Miquelon, Howland Island, Jarvis Island, Johnston Atoll, Midway Island, Navassa Island, Palmyra Atoll, Gibraltar, Holy See, Dhekelia and Akrotiri SBA, Guernsey, Jersey, Andorra, Malta, Liechtenstein, Glorioso Island, Monaco, Anguilla, Antigua and Barbuda, Aruba, Barbados, Cayman Islands, Grenada, Montserrat, Saint Kitts and Nevis, Saint Lucia, St Vincent and the Grenadines, Turks and Caicos islands, United States Virgin Islands, Bird Island, Nauru, American Samoa, Cook Islands, Guam, Kiribati, Micronesia (Fed States of), Niue, Northern Mariana Islands, Palau, Tonga, Wallis and Futuna, Tokelau, Tuvalu, Wake Island, Bassas da India, Mayotte, Seychelles, Saint Helena, British Indian Ocean Territory, Juan de Nova Island, Tromelin Island, Ashmore and Cartier Islands, Cocos (Keeling) Islands, Scarborough Reef, Liancourt Rock, Macau, Senkaku Islands, Bouvet Island, Bermuda, San Marino, Clipperton Island, British Virgin Islands, Bahrain, Gaza Strip, Norfolk Island, Marshall Islands, Pitcairn, Christmas Island, Singapore, Maldives, Paracel Islands, Spratly Islands

Table 2-3 First level sub-national divisions for eight large countries

Australia	Russian Federation	United States of America
Australian Capital Territory	Adygeya Rep.	Alabama
New South Wales	Aginskiy Buryatskiy A. Okrug	Alaska
Northern Territory	Altay Rep.	Arizona
Other Territories	Altayskiy Kray	Arkansas
Queensland	Amurskaya Oblast	California
South Australia	Arkhangelskaya Oblast	Colorado
Tasmania	Astrakhanskaya Oblast	Connecticut
Victoria	Bashkortostan Rep.	Delaware
Western Australia	Belgorodskaya Oblast	District Of Columbia
Brasil	Bryanskaya Oblast	Florida
Acre	Buryatiya Rep.	Georgia
Alagoas	Chechnya Rep.	Hawaii
Amapa	Chelyabinskaya Oblast	Idaho
Amazonas	Chitinskaya Oblast	Illinois
Bahia	Chukotskiy Okrug	Indiana
Ceara	Chuvashiya Rep.	Iowa
Distrito Federal	Dagestan Rep.	Kansas
Espirito Santo	Evenkiyskiy Okrug	Kentucky
Goiás	Ingushetiya Rep.	Louisiana
Maranhao	Irkutskaya Oblast	Maine
Mato Grosso	Ivanovskaya Oblast	Maryland
Mato Grosso Do Sul	Kabardino-balkariya Rep.	Massachusetts
Minas Gerais	Kaliningradskaya Oblast	Michigan
Para	Kalmykiya Rep.	Minnesota
Paraíba	Kaluzhskaya Oblast	Mississippi
Parana	Kamchatskaya Oblast	Missouri
Pernambuco	Karatchayevo-cherkesiya Rep.	Montana
Piauí	Karelya Rep.	Nebraska
Rio De Janeiro	Kemerovskaya Oblast	Nevada
Rio Grande Do Norte	Khabarovskiy Kray	New Hampshire
Rio Grande Do Sul	Khakasiya Rep.	New Jersey
Rondonia	Khanty-mansyiskiy Okrug	New Mexico
Roraima	Kirovskaya Oblast	New York
Santa Catarina	Komi Rep.	North Carolina
Sao Paulo	Komi-permyatskiy Okrug	North Dakota
Sergipe	Koryakskiy Okrug	Ohio
Tocantins	Kostromskaya Oblast	Oklahoma
Canada	Krasnodarskiy Kray	Oregon
Alberta	Krasnoyarskiy Kray	Pennsylvania
British Columbia	Kurganskaya Oblast	Rhode Island
Manitoba	Kurskaya Oblast	South Carolina
New Brunswick	Leningradskaya Oblast	South Dakota
Newfoundland and Labrador	Lipetskaya Oblast	Tennessee
Northwest Territories	Magadanskaya Oblast	Utah
Nova Scotia	Mariy-el Rep.	Vermont
Nunavut	Mordoviya Rep.	Virginia
Ontario	Moskovskaya Oblast	Washington
Prince Edward Island	Moskva	West Virginia
Quebec	Murmanskaya Oblast	Wisconsin
Saskatchewan	Name Unknown	Wyoming
Yukon Territory	Nenetskiy Okrug	India
China	Nizhegorodskaya Oblast	Andaman & Nicobar
Anhui Sheng	Novgorodskaya Oblast	Andhra Pradesh

China cont'd	Russian Federation cont'd	India cont'd
Beijing Shi	Novosibirskaya Oblast	Arunachal Pradesh
Chongqing Shi	Omskaya Oblast	Assam
Fujian Sheng	Orenburgskaya Oblast	Bihar
Gansu Sheng	Orlovskaya Oblast	Delhi (Union Territory)
Guangdong Sheng	Penzenskaya Oblast	Goa
Guangxi Zhuangzu Zizhiqu	Permskaya Oblast	Gujarat
Guizhou Sheng	Primorskiy Kray	Haryana
Hainan Sheng	Pskovskaya Oblast	Himachal Pradesh
Hebei Sheng	Rostovskaya Oblast	Karnataka
Heilongjiang Sheng	Ryazanskaya Oblast	Kerala
Henan Sheng	Sakha Rep.	Madhya Pradesh
Hubei Sheng	Sakhalinskaya Oblast	Maharashtra
Hunan Sheng	Samarskaya Oblast	Manipur
Jiangsu Sheng	Sankt-peterburg	Meghalaya
Jiangxi Sheng	Saratovskaya Oblast	Mizoram
Jilin Sheng	Severnaya Osetiya-alaniya Rep.	Nagaland
Liaoning Sheng	Smolenskaya Oblast	Orissa
Nei Mongol Zizhiqu	Stavropolskiy Kray	Punjab
Ningxia Huizu Zizhiqu	Sverdlovskaya Oblast	Rajasthan
Qinghai Sheng	Tambovskaya Oblast	Sikkim
Shaanxi Sheng	Tatarstan Rep.	Tamil Nadu
Shandong Sheng	Taymyrskiy Okrug	Tripura
Shanghai Shi	Tomskaya Oblast	Uttar Pradesh
Shanxi Sheng	Tulskaya Oblast	West Bengal
Sichuan Sheng	Tverskaya Oblast	
Taiwan Sheng	Tyumenskaya Oblast	
Tianjin Shi	Tyva Rep.	
Xinjiang Uygur Zizhiqu	Udmurtiya Rep.	
Xizang Zizhiqu	Ulyanovskaya Oblast	
Yunnan Sheng	Ustordynskiy Buryatskiy Okrug	
Zhejiang Sheng	Vladimirskaia Oblast	
	Volgogradskaya Oblast	
	Vologodskaya Oblast	
	Voronezhskaya Oblast	
	Yamalo-nenetskiy Okrug	
	Yaroslavskaya Oblast	
	Yevreyskaya A. Oblast	