

Ecography

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Latitudinal gradients in taxonomic overdescription rate
affect macroecological inferences using species list data.
– *Ecography* 34: xxx–xxx.

Supplementary material

Appendix 1

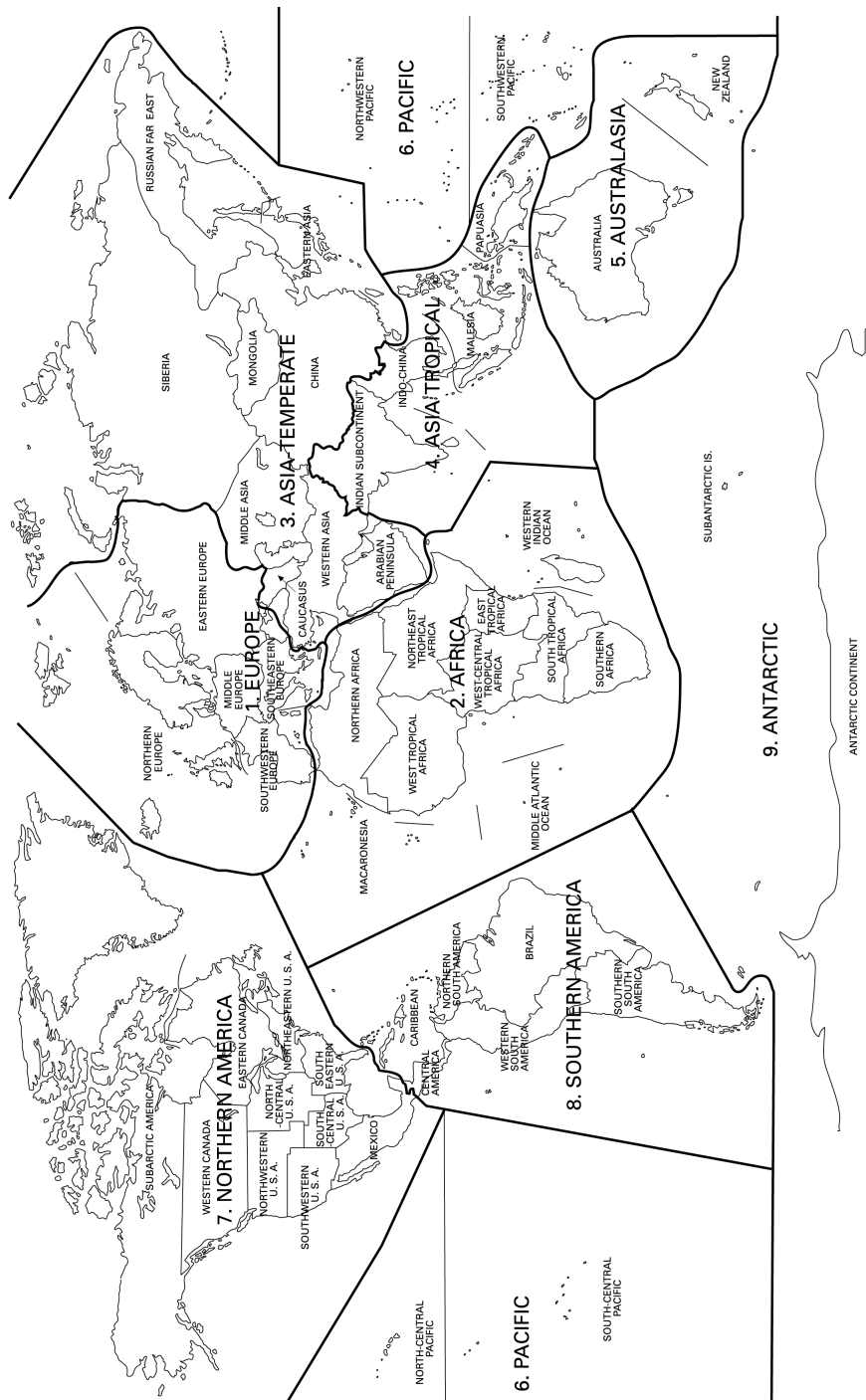


Figure A1. Map depicting the continental scale areas and regions used in this study. Each region is made up of a number of subregions, detailed in Table A1. From Brummitt 2001.

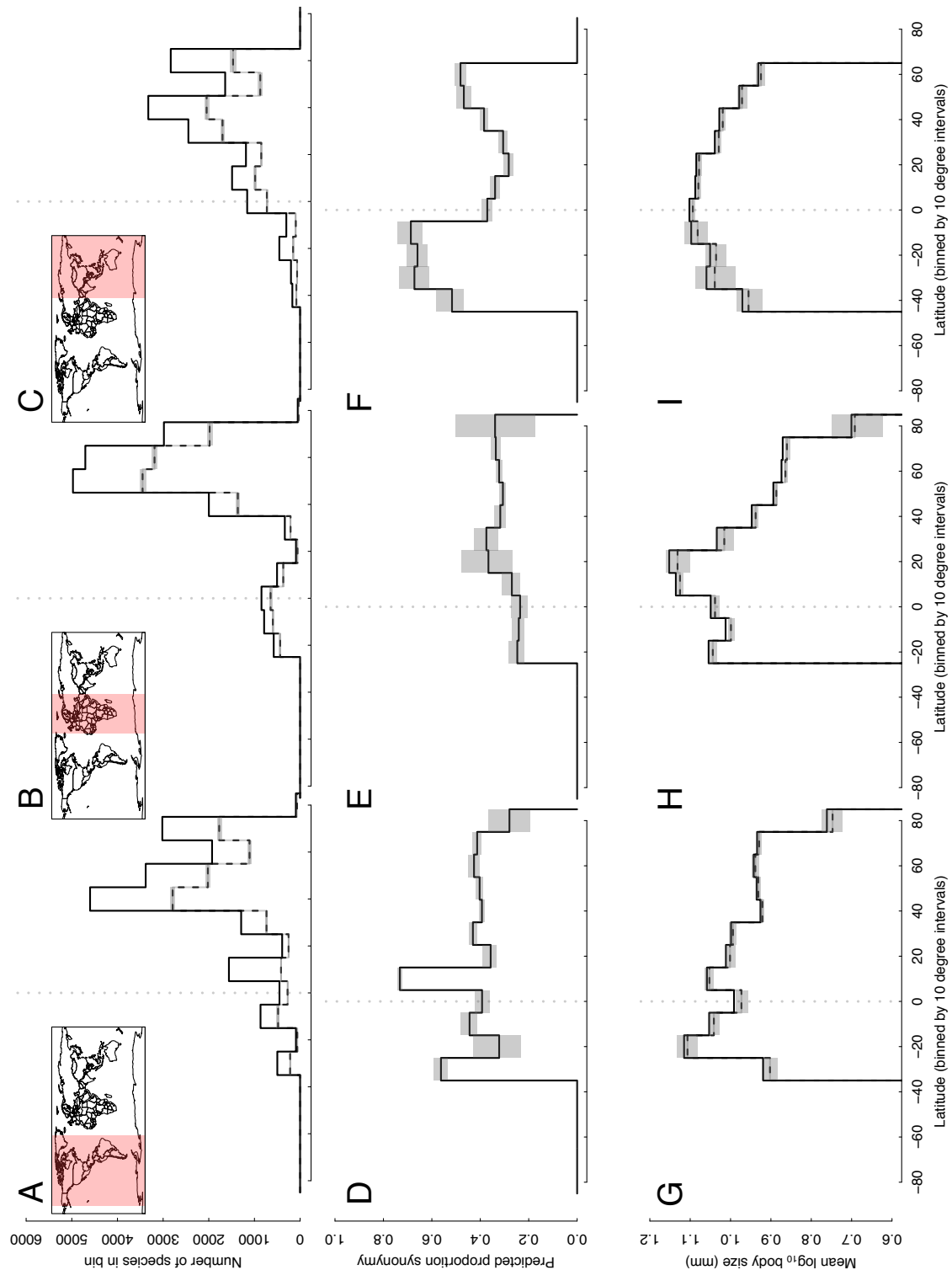


Figure A2. Macroecological patterns in the Ichneumonidae in different longitudinal windows (-165° -- 30° , -15° -- 60° and 60° -- 180°). (A-C) Species richness patterns. The solid black line indicates current richness. The broken line shows predicted richness after accounting for overdescription. Prediction range is indicated by the shaded area. (D-F) Proportion taxonomic overdescription. The line represents mean predicted synonymy, after correcting for overdescription. Shaded area indicates the range of the predictions. (H-J) Body size. The line represents mean \log_{10} body size (mm) and the shaded area shows the range of predictions.

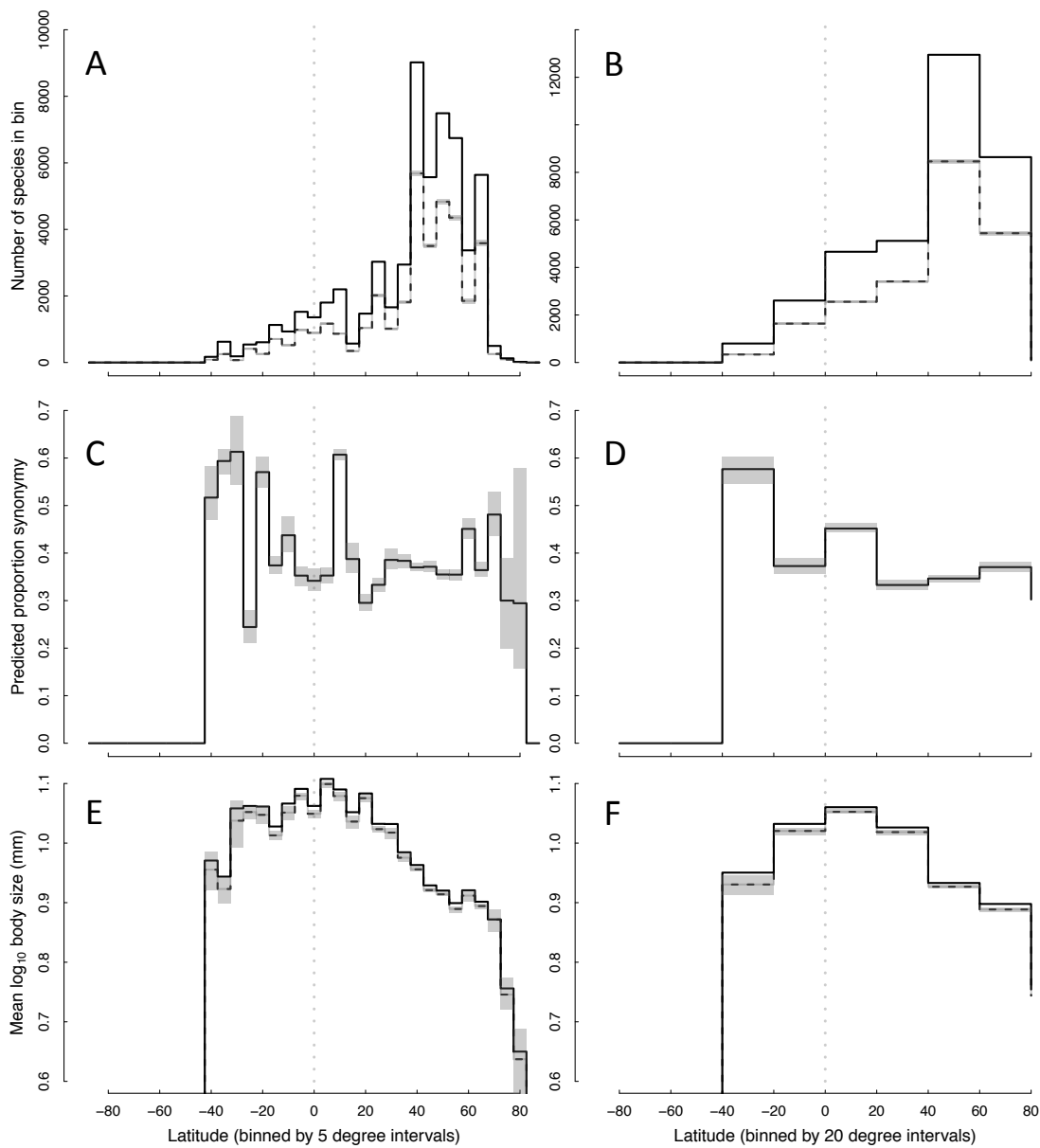


Figure A3. Macroecological patterns in the Ichneumonidae within different latitudinal bin sizes (5° and 20° , left panel and right panel respectively). (A-B) Global species richness patterns. The solid black line indicates current species richness. The broken line indicates predicted richness after accounting for taxonomic overdescription. The shaded area indicates the range of the predictions. (C-D) Proportion taxonomic overdescription. The line represents the mean predicted synonymy, after correcting for overdescription, while the shaded area indicates the range of the predictions. (E-F) Species body size. The line represents the mean \log_{10} body size (mm) while the shaded area represents the range of predictions.

Table A1. ‘Continents’ (in bold type), regions and, in parenthesis, subregions that were used in this study. Definitions used come from Brummitt 2001.

Africa

East Tropical Africa (Kenya, Tanzania, Uganda)
Macaronesia (Azores, Canary Is., Madeira)
Middle Atlantic Ocean (Ascension, St.Helena)
Northeast Tropical Africa (Chad, Eritrea, Ethiopia, Socotra, Somalia, Sudan)
Northern Africa (Algeria, Egypt, Libya, Morocco, Tunisia, Western Sahara)
South Tropical Africa (Angola, Malawi, Mozambique, Zambia, Zimbabwe)
Southern Africa (Botswana, Lesotho, Namibia, Swaziland)
West Tropical Africa (Benin, Burkina, Gambia, Ghana, Guinea, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo)
West-Central Tropical Africa (Burundi, Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Rwanda)
Western Indian Ocean (Comoros, Madagascar, Mauritius, Reunion, Rodrigues, Seychelles)

Antarctic

Subantarctic Islands (Falkland Is.)

Asia-Temperate

Arabian Peninsula (Gulf States, Kuwait, Oman, Saudi Arabia, Yemen)
Caucasus (North Caucasus, Transcaucasus)
China (China North-Central, China South-Central, China Southeast, Hainan, Inner Mongolia, Manchuria, Qinghai, Tibet, Xinjiang)
Eastern Asia (Japan, Korea, Nansei-shoto, Ogasawara-shoto, Taiwan)
Middle Asia (Kazakhstan, Tadjikistan, Turkmenistan, Uzbekistan)
Mongolia (Mongolia)
Russian Far East (Amur, Kamchatka, Khabarovsk, Magadan, Primorye, Sakhalin)
Siberia (Altay, Buryatiya, Chita, Irkutsk, Krasnoyarsk, Tuva, West Siberia, Yakutskiya)
Western Asia (Afghanistan, Cyprus, Iran, Iraq, Lebanon-Syria, Palestine, Turkey)

Asia-Tropical

Indian Subcontinent (Bangladesh, Chagos Archipelago, East Himalaya, India, Maldives, Nepal, Pakistan, Sri Lanka)
Indo-China (Cambodia, Laos, Myanmar, Nicobar Is., Thailand, Vietnam)
Malesia (Borneo, Jawa, Lesser Sunda Is., Malaya, Maluku, New Guinea, Philippines, Sulawesi, Sumatera)

Australasia

Australia (New South Wales, Norfolk Is., Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia)
New Zealand (New Zealand South)

Europe

Eastern Europe (Baltic States, Belarus, Central European Russia, East European Russia, North European Russia, Northwest European Russia, South European Russia, Ukraine)
Middle Europe (Austria, Belgium, Czechoslovakia, Germany, Hungary, Netherlands, Poland, Switzerland)
Northern Europe (Denmark, Faeroe Islands, Finland, Great Britain, Iceland, Ireland, Norway, Svalbard, Sweden)
Southeastern Europe (Albania, Bulgaria, Greece, Italy, Kriti, Romania, Sicilia, Yugoslavia)
Southwestern Europe (Balears, Corse, France, Portugal, Sardinia, Spain)

Northern America

Eastern Canada (New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward I., Quebec)

Mexico (No subregions in dataset)

North-Central U.S.A. (Illinois, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Wisconsin)

Northeastern U.S.A. (Connecticut, Indiana, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode I., West Virginia)

Northwestern U.S.A. (Colorado, Idaho, Montana, Oregon, Washington, Wyoming)

South-Central U.S.A. (New Mexico, Texas)

Southeastern U.S.A. (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia)

Southwestern U.S.A. (Arizona, California, Nevada, Utah)

Subarctic America (Alaska, Greenland, Northwest Territories, Nunavut, Yukon)

Western Canada (Alberta, British Columbia, Manitoba, Saskatchewan)

Pacific

North-Central Pacific (Hawaii)

Northwestern Pacific (Caroline Is., Marianas, Marshall Is.)

South-Central Pacific (Caroline Is., Christmas I., Cook Is., Easter Is., Society Is.)

Southwestern Pacific (Fiji, New Caledonia, Samoa, Solomon Is., Tonga, Vanuatu)

Southern America

Caribbean (Bahamas, Bermuda, Cuba, Dominican Republic, Haiti, Jamaica, Leeward Is., Netherlands Antilles, Puerto Rico, Trinidad-Tobago, Windward Is.)

Central America (Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama)

Northern South America (French Guiana, Guyana, Suriname, Venezuela)

Southern South America (Argentina Northeast, Chile North, Juan Fernandez Is., Paraguay, Uruguay)

Western South America (Bolivia, Colombia, Ecuador, Galapagos, Peru)

Table A2. Current and predicted species richness values across different latitudes, globally, from Figure 2A.

Latitude	Predictions from Monte Carlo simulation			
	Current species richness	Minimum	Average	Maximum
-85° to -75°	0	0	0	0
-75° to -65°	0	0	0	0
-65° to -55°	0	0	0	0
-55° to -45°	0	0	0	0
-45° to -35°	170	71	82.1	90
-35° to -25°	696	263	281.9	304
-25° to -15°	1109	618	645.3	673
-15° to -5°	1952	1139	1173.7	1210
-5° to 5°	2444	1597	1643.3	1676
5° to 15°	3540	1720	1764.8	1797
15° to 25°	1650	1125	1152.3	1179
25° to 35°	4140	2656	2708.7	2761
35° to 45°	9313	5832	5917.8	5989
45° to 55°	8816	5655	5731.9	5812
55° to 65°	7375	4536	4618.2	4711
65° to 75°	5667	3512	3602.8	3683
75° to 85°	133	81	92.8	105

Table A3. Species richness and ranked species richness for Ichneumonidae at the regional level. The table is sorted by current rank. Predicted mean and variance come from 1000 Monte Carlo simulations. Region definitions used come from Brummitt 2001.

Region	Current Diversity	Predicted Diversity (Mean)	Predicted Diversity Variance	Current Rank	Predicted Rank
Middle Europe	4878	3451	351.2	50	50
Eastern Europe	3552	2049	477.4	49	47
Northern Europe	3439	2285	308.1	48	49
Southwestern Europe	3096	2067	292.1	47	48
Southeastern Europe	2963	2043	269.8	46	46
Northeastern U.S.A.	2323	1384	171.3	45	44
Eastern Asia	2198	1423	185.7	44	45
Eastern Canada	2063	1183	185.1	43	42
Western Canada	1928	1107	188.5	42	40
China	1816	1061	188.4	41	39
Northwestern U.S.A.	1777	1013	157.0	40	38
Malesia	1772	1129	71.6	39	41
Southeastern U.S.A.	1650	1008	116.3	38	37
Southwestern U.S.A.	1573	889	112.5	37	36
Indian Subcontinent	1571	1212	121.6	36	43
Central America	1374	335	17.9	35	20
Russian Far East	1362	653	203.5	34	34
North-Central U.S.A.	1348	795	108.9	33	35
Siberia	944	460	152.1	32	26
Subarctic America	934	532	94.9	31	31
Mexico	888	464	24.5	30	27
Western Asia	875	558	79.1	29	33
Caucasus	873	483	118.4	28	28
South-Central U.S.A.	813	486	54.2	27	29
Brazil	744	391	77.7	26	22
Indo-China	692	556	48.2	25	32
East Tropical Africa	678	518	48.4	24	30
Middle Asia	636	363	70.3	23	21
Western South America	624	392	27.8	22	23
Western Indian Ocean	595	450	21.0	21	25
Southern South America	561	264	25.8	20	17
Southern Africa	553	420	40.3	19	24
Northern Africa	486	319	46.4	18	18
W-Central Trop. Africa	454	324	51.2	17	19
Australia	424	133	34.7	16	11
Mongolia	412	213	53.8	15	16
Northern South America	332	171	14.3	14	13
West Tropical Africa	277	194	19.8	13	15
South Tropical Africa	261	188	23.4	12	14
Macaronesia	215	156	14.3	11	12
Caribbean	203	108	6.6	10	10
Southwestern Pacific	162	90	5.4	9	9
Northeast Tropical Africa	128	83	12.5	8	8
New Zealand	87	52	5.1	7	7

North-Central Pacific	68	50	3.0	6	6
Northwestern Pacific	36	13	1.5	5	4
Arabian Peninsula	33	22	2.6	4	5
South-Central Pacific	20	13	0.5	3	3
Middle Atlantic Ocean	5	4	0.4	2	2
Subantarctic Islands	0	0	0.0	1	1

Table A4. Species richness and ranked species richness for Ichneumonidae at the subregion level. The table is sorted by current rank. Predicted mean and variance come from 1000 Monte Carlo simulations. Subregion definitions used come from Brummitt 2001.

Region	Current Diversity	Predicted Diversity Mean	Predicted Diversity Variance	Current Rank	Predicted Rank
Germany	3865	2628.8	308.9	284	284
France	2737	1777.0	271.7	283	283
Poland	2450	1658.1	263.9	282	282
Sweden	2402	1602.5	263.4	281	281
Finland	2278	1505.9	249.6	280	280
Austria	2216	1498.7	224.5	279	279
Great Britain	2169	1457.6	234.8	278	278
Hungary	1929	1304.9	207.5	277	277
Czechoslovakia	1762	1150.5	209.6	276	275
Romania	1726	1169.3	176.2	275	276
Bulgaria	1511	989.4	176.6	274	273
Quebec	1480	800.1	141.0	273	265
Japan	1475	933.0	114.1	272	272
Ontario	1455	843.4	137.5	271	270
India	1438	1100.8	116.5	270	274
New York	1408	774.4	108.8	269	264
Italy	1381	865.6	132.4	268	271
Baltic States	1306	821.0	158.0	267	268
British Columbia	1290	723.7	135.7	266	261
Netherlands	1271	805.4	145.7	264	267
Spain	1271	824.3	131.6	264	269
Belgium	1255	802.5	151.9	263	266
Ukraine	1195	730.2	147.2	262	262
Norway	1182	743.8	150.0	261	263
Michigan	1178	631.9	95.5	260	258
Costa Rica	1160	171.6	12.8	259	186
Alberta	1151	653.5	122.7	258	259
California	1126	615.4	88.5	257	256
Switzerland	1110	696.9	119.4	256	260
Colorado	1108	616.0	102.4	255	257
Maine	916	522.4	95.0	254	255
Northwest European					
Russia	851	468.6	139.0	253	252
Oregon	820	427.0	78.1	252	245
Central European Russia	817	442.6	129.6	251	247
Massachusetts	796	447.3	67.5	250	248
New Jersey	793	462.2	58.3	249	251
Pennsylvania	782	450.9	67.1	248	249
North Carolina	767	440.1	65.8	247	246
New Hampshire	765	412.8	72.5	246	243
Taiwan	746	499.1	80.0	245	254
Washington	744	402.5	76.0	244	241
Georgia	709	452.9	53.9	243	250
Maryland	704	406.3	55.1	242	242
Ohio	699	397.7	60.3	241	240

Alaska	682	371.2	77.1	240	235
Transcaucasus	676	377.3	84.6	239	238
Primorye	668	306.1	99.0	238	228
Arizona	651	376.7	48.6	237	237
Virginia	641	374.3	51.4	236	236
China Southeast	627	360.5	66.9	235	234
Turkey	610	379.4	61.7	234	239
Myanmar	589	489.0	40.9	233	253
Sakhalin	585	276.8	90.6	232	218
Idaho	570	310.7	57.4	231	230
Madagascar	558	424.9	20.5	230	244
Saskatchewan	555	298.2	56.7	229	225
Minnesota	553	294.2	55.5	228	222
Philippines	551	326.9	19.9	227	232
Belarus	546	296.1	73.0	226	223
Connecticut	533	301.5	50.0	225	227
Denmark	512	264.3	51.3	224	215
Manitoba	511	274.5	55.6	223	217
South Carolina	510	301.4	43.3	222	226
Texas	510	316.7	32.4	222	231
Illinois	498	308.1	44.7	220	229
Yugoslavia	490	296.8	52.1	219	224
Korea	477	274.3	44.8	218	216
New Guinea	454	193.3	12.0	217	196
Corse	442	277.8	46.4	216	220
Nova Scotia	434	229.1	44.9	215	209
Ireland	433	255.0	57.4	214	213
North European Russia	432	211.7	60.0	212	203
Tanzania	432	336.0	39.3	212	233
Kansas	423	255.9	33.6	211	214
China South-Central	422	195.6	43.1	210	199
Wisconsin	419	225.5	37.9	209	208
Newfoundland	418	236.7	49.6	208	211
Mongolia	412	213.1	53.8	207	204
New Mexico	409	232.7	34.4	206	210
Florida	404	277.1	25.3	205	219
Jawa	398	287.6	25.7	204	221
New Brunswick	392	216.1	40.3	202	205
West Virginia	392	222.1	38.9	202	207
South European Russia	386	186.4	59.3	201	193
North Caucasus	385	190.0	59.6	200	195
Congo	369	252.8	48.3	199	212
Yukon	362	176.4	44.4	198	192
Kazakhstan	361	193.9	51.0	197	197
Montana	359	200.8	38.4	196	201
Rhode I.	341	174.7	33.1	194	190
Tennessee	341	221.0	30.6	194	206
Peru	327	196.6	17.2	193	200
Utah	319	175.1	30.4	192	191
Wyoming	317	164.8	34.2	191	185

Khabarovsk	315	141.0	52.4	190	176
Argentina Northeast	312	148.7	17.4	189	179
Kamchatka	309	156.0	50.2	188	180
Manchuria	305	173.7	43.2	187	188
Missouri	303	188.4	27.1	186	194
Chita	302	146.7	46.9	185	178
Borneo	301	195.1	14.4	184	198
West Siberia	300	136.2	41.0	183	171
Northwest Territories	298	156.2	37.6	182	181
District of Columbia	283	174.5	23.6	181	189
Irkutsk	282	138.3	44.8	180	174
Sulawesi	265	203.0	13.8	179	202
Tadzhikistan	260	141.8	25.8	178	177
East European Russia	258	137.2	43.0	177	172
Greece	257	172.6	26.0	176	187
Yakutskiya	254	113.6	39.9	175	160
China North-Central	253	131.2	32.6	174	167
South Dakota	247	138.1	25.1	173	173
Queensland	246	68.0	16.5	172	132
Chile North	238	89.0	5.7	170	146
Uganda	238	160.7	20.4	170	182
Iowa	233	130.5	21.8	169	165
Louisiana	226	161.4	18.3	168	184
Panama	226	128.4	6.3	168	163
Nevada	225	135.7	19.5	166	170
Kenya	224	161.3	19.3	165	183
Nansei-shoto	222	104.1	12.5	164	154
Palestine	222	140.7	19.8	164	175
Algeria	213	129.0	25.0	162	164
Kentucky	200	123.9	17.6	161	162
Sri Lanka	194	133.5	14.9	160	168
Sumatera	191	131.1	14.9	159	166
Arkansas	185	135.3	16.4	158	169
Alabama	184	110.6	15.4	157	159
Indiana	181	103.6	17.4	156	153
Tunisia	179	118.5	16.0	155	161
Sicilia	177	106.5	18.7	154	155
Prince Edward I.	169	81.8	14.9	153	142
Ecuador	165	101.3	7.3	152	150
Bolivia	161	107.1	8.7	150	156
Morocco	161	101.3	16.6	150	151
Nebraska	161	96.3	14.7	150	148
Guatemala	160	110.2	6.0	148	158
Krasnoyarsk	157	76.1	26.0	147	136
Venezuela	155	81.1	9.9	146	140
Nepal	154	109.1	13.2	145	157
New South Wales	153	45.3	10.1	144	112
Guyana	146	76.9	6.1	143	137
Canary Is.	143	101.4	11.0	142	152
Buryatiya	142	63.9	22.5	141	126

Colombia	141	86.1	8.2	140	145
Uzbekistan	141	84.9	14.5	140	143
North Dakota	137	72.4	15.1	138	134
Angola	136	97.7	13.8	137	149
Delaware	131	75.5	12.4	136	135
Egypt	130	77.6	13.7	135	138
Turkmenistan	129	81.8	12.5	134	141
Cuba	126	65.8	4.4	133	129
Iran	118	78.7	11.0	132	139
Mississippi	118	85.1	8.6	132	144
Maluku	117	65.6	6.2	130	128
Sardinia	115	71.5	11.1	129	133
Guinea	112	89.9	6.8	128	147
Victoria	105	37.9	8.9	127	104
Altay	103	46.5	15.6	126	115
Ethiopia	102	67.1	10.0	125	131
Portugal	97	51.6	8.6	124	119
Amur	96	44.7	16.0	122	111
Thailand	96	56.7	7.4	122	123
Greenland	93	67.0	7.8	120	130
Tasmania	93	35.4	7.8	120	100
Zimbabwe	93	62.6	9.0	120	125
Afghanistan	92	54.3	9.6	118	121
Iceland	89	51.6	8.5	117	118
Paraguay	88	59.3	6.5	116	124
Madeira	87	64.8	5.8	114	127
New Zealand South	87	52.0	5.1	114	120
Pakistan	85	56.7	7.5	113	122
Western Australia	84	25.4	7.6	112	87
Tibet	82	39.4	8.7	111	106
Xinjiang	81	42.5	9.9	110	108
Solomon Is.	79	36.0	3.2	109	102
Magadan	72	29.4	11.2	108	93
Malaya	72	43.4	5.2	108	109
Nunavut	71	45.7	7.8	106	113
Oklahoma	70	46.0	6.4	105	114
Albania	69	35.5	7.3	104	101
Cameroon	68	47.1	6.1	102	116
Hawaii	68	50.1	3.0	102	117
Suriname	68	36.5	3.2	102	103
Nigeria	65	31.3	7.0	100	97
Hainan	61	28.4	5.3	99	91
Qinghai	58	41.1	7.3	98	107
Togo	58	44.2	4.2	98	110
Inner Mongolia	56	27.2	7.2	96	88
Vietnam	55	32.4	5.7	95	98
Honduras	53	31.2	2.4	94	96
Mozambique	51	34.4	6.1	93	99
New Caledonia	50	30.4	1.8	92	95
Rwanda	47	38.7	4.2	91	105

Senegal	46	29.5	4.0	90	94
Baleares	45	27.9	2.6	88	89
Cyprus	45	24.4	4.1	88	85
Faeroe Islands	42	28.3	5.2	87	90
Nicaragua	41	22.3	2.7	86	82
Vanuatu	41	23.8	1.7	86	83
Central African Republic	40	19.5	5.9	84	79
Ivory Coast	39	18.6	5.0	82	77
Lebanon-Syria	39	29.0	3.1	82	92
Northern Territory	39	8.5	1.8	82	48
French Guiana	37	12.9	0.8	80	61
South Australia	35	13.9	3.6	79	66
Uruguay	34	19.3	2.4	78	78
Windward Is.	34	24.7	2.0	78	86
Ghana	32	14.1	2.9	75	67
Puerto Rico	32	17.4	2.4	75	75
Sierra Leone	32	20.1	2.7	75	80
Namibia	31	23.9	2.2	73	84
Fiji	30	16.3	2.1	72	73
Jamaica	29	16.1	2.0	70	71
Laos	29	15.9	3.1	70	70
Trinidad-Tobago	28	9.6	2.2	69	52
Belize	27	11.5	2.3	68	56
Caroline Is.	27	9.5	0.9	68	51
Bangladesh	26	13.4	2.4	66	63
Sudan	26	12.0	3.5	66	59
Burundi	25	21.1	2.0	64	81
Gabon	25	16.8	2.3	64	74
Dominican Republic	24	9.1	1.9	62	49
Libya	24	13.3	3.5	62	62
Lesser Sunda Is.	23	13.7	1.7	59	65
Malawi	23	18.6	2.6	59	76
Saudi Arabia	23	15.6	1.8	59	69
Azores	20	16.2	1.6	56	72
Mauritius	20	10.2	1.4	56	53
Reunion	19	14.2	1.1	54	68
Seychelles	19	12.3	1.0	54	60
Svalbard	19	13.4	1.9	54	64
Tuva	18	7.2	3.1	52	44
Samoa	16	11.8	0.8	50	58
Zambia	16	7.0	1.7	50	43
El Salvador	15	7.6	1.2	48	46
Society Is.	15	11.3	0.4	48	55
East Himalaya	14	8.1	0.9	45	47
Equatorial Guinea	14	11.8	0.9	45	57
Eritrea	14	10.9	0.9	45	54
Liberia	14	9.4	1.6	45	50
Marianas	14	4.9	1.0	45	39
Bermuda	12	6.1	0.6	41	41
Kriti	12	7.3	1.5	41	45

Yemen	12	6.7	1.1	41	42
Haiti	9	3.6	0.3	38	31
Leeward Is.	9	3.9	0.7	38	34
Bahamas	8	4.5	0.9	37	38
Juan Fernandez Is.	7	5.6	0.6	36	40
Niger	7	4.2	0.6	36	35
Galapogos	6	0.0	0.0	33	3
Iraq	6	4.3	0.5	33	36
Ogasawara-shoto	6	0.7	0.2	33	8
Benin	5	1.7	0.2	30	21
Botswana	5	2.6	0.3	30	27
St.Helena	5	4.4	0.4	30	37
Burkina	4	1.9	0.5	26	24
Lesotho	4	3.6	0.4	26	32
Nicobar Is.	4	3.8	0.2	26	33
Norfolk Is.	4	0.6	0.2	26	7
Somalia	4	2.3	0.5	26	26
Chad	3	1.8	0.7	20	22
Chagos Archipelago	3	1.2	0.5	20	17
Comoros	3	2.8	0.2	20	29
Gambia	3	2.7	0.2	20	28
Marshall Is.	3	1.1	0.5	20	16
Oman	3	2.8	0.2	20	30
Ascension	2	1.5	0.3	14	18
Cambodia	2	0.0	0.0	14	3
Easter Is.	2	1.5	0.3	14	18
Rodrigues	2	1.6	0.2	14	20
Socotra	2	2.0	0.0	14	25
Tonga	2	1.9	0.1	14	23
Christmas I.	1	0.9	0.1	6	13
Cook Is.	1	0.9	0.1	6	12
Gulf States	1	0.8	0.1	6	11
Kuwait	1	0.5	0.2	6	6
Maldives	1	0.0	0.0	6	3
Mali	1	0.0	0.0	6	3
Mauritania	1	0.9	0.1	6	14
Netherlands Antilles	1	0.7	0.2	6	9
Swaziland	1	0.8	0.2	6	10
Western Sahara	1	1.0	0.0	6	15
Falkland Is.	0	0.0	0.0	1	3

Reference

Brummitt, R. 2001. World Geographical Scheme for Recording Plant Distributions. - Hunt Institute for Botanical Documentation, Carnegie Mellon University, Pittsburgh.