

Supplementary material

Table S1. Single predictor spatial Simultaneous Autoregressive (SAR) models of pteridophyte proportions, pteridophyte species richness, and species richness of seed plants for mainland floras. Pteridophyte proportions were log10(x+1)-transformed. While there was no significant effect of AREA on pteridophyte proportions, richness models included AREA as a covariate to control for disparities in area size. Variable abbreviations: AREA – area size of the geographic unit in km<sup>2</sup>, TEMP – mean annual temperature (PET – potential evapotranspiration (mm yr<sup>-1</sup>), PRE – mean annual precipitation (mm), WET – annual number of days with precipitation, AET – actual evapotranspiration (mm yr<sup>-1</sup>), WTB – water balance (mm yr<sup>-1</sup>), ECODIV – number of land cover classes (n), TOPODIV – elevational range (m), BIOME – biome membership, REALM – biogeographic realm. All continuous explanatory variables were log10-transformed.

Explanatory variable	Pteridophyte proportion			Pteridophyte richness			Seed plant richness		
	t	r <sup>2</sup>	AIC	z	r <sup>2</sup>	AIC	z	r <sup>2</sup>	AIC
Null	–	–	–33	–	–	310	–	–	151
AREA	–0.30	0.01	–33	3.10	0.05	303	6.60	0.19	114
				Ambient energy					
TEMP	–0.69	0.01	–32	2.20	0.06	300	4.57	0.26	96
PET	0.35	0	–31	3.83	0.10	291	6.23	0.31	81
				Water					
PRE	14.71	0.52	–163	20.54	0.70	82	13.68	0.57	–13
WET	12.27	0.45	–137	14.08	0.54	169	9.01	0.42	48
				Water-energy					
AET	12.96	0.45	–139	18.32	0.66	111	13.62	0.57	–12
WTB	9.47	0.3	–93	9.45	0.36	238	6.37	0.34	79
TEMP × PRE	–	0.54	–170	–	0.71	82	–	0.62	–36
TEMP × WET	–	0.46	–136	–	0.67	114	–	0.67	–62
PET × PRE	–	0.54	–171	–	0.72	75	–	0.63	–42
PET × WET	–	0.49	–147	–	0.71	86	–	0.67	–57
				Heterogeneity					
TOPODIV	2.43	0.02	–36	6.22	0.20	270	7.37	0.38	68
ECODIV	–0.07	0	–31	3.03	0.10	296	3.74	0.25	102
				Region					
BIOME	–	0.53	–145	–	0.60	170	–	0.61	4
REALM	–	0.42	–121	–	0.55	177	–	0.53	22

Table S2. Multi-predictor environmental spatial Simultaneous Autoregressive (SAR) models of pteridophyte proportions and pteridophyte richness [ $\log_{10}(x+1)$  transformed]. For variable descriptions and transformations see caption Table 1 and Methods. The Akaike information criterion (AIC) for the null model containing only the intercept is -28 and 335 for pteridophyte proportions and richness, respectively.

Explanatory variables	Pteridophyte proportions			Pteridophyte richness		
	Slope	z		Slope	z	
(Intercept)	(-0.50)	-2.80	**	(-6.01)	-16.01	***
AREA	-	-		0.20	6.44	***
PET	-0.12	-2.18	*	0.99	10.53	***
PRE	0.42	15.16	***	-	-	-
WET	-	-		1.38	20.84	***
TOPODIV	0.07	2.90	**	0.38	7.59	***
AIC	-170			37		
R <sup>2</sup>	0.55			0.78		
Moran's I	0.004			-0.03		

\*\*\*  $p < 0.001$ , \*\*  $p < 0.01$ , \*  $p < 0.05$ .

Table S3. Data used in this study.

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
<b>Mainland</b>						
Afghanistan	Afghanistan	636.267	33	Hassler and Swale 2001	4000	Davis et al. 1994
Albania	Albania	28.748	46	Hassler and Swale 2001	3250	Vangjeli and Ruci 2000
Algeria	Algeria	2381.75	51	Hassler and Swale 2001	3164	Groombridge 1992
Angola	Angola	1246.7	163	Aldasoro et al. 2004	5000	Davis et al. 1986
Argentina	Argentina	2777.82	337	Hassler and Swale 2001	9370	Davis et al. 1997
Australia	New South Wales	802.9	177	Hassler and Swale 2001	3700	Good 1974
Australia	Queensland	1735.3	390	Hassler and Swale 2001	4400	Good 1974
Australia	South Australia	984.38	53	Hassler and Swale 2001	2500	Marchant 1973
Australia	Victoria	227.62	122	Hassler and Swale 2001	2500	Marchant 1973
Australia	Western Australia	2525.25	85	Hassler and Swale 2001	4400	Good 1974
Austria	Austria	83.853	68	Tutin et al. 1993	3028	Groombridge 1992
Bahrain	Bahrain	0.661	2	Hassler and Swale 2001	248	Davis et al. 1994
Bangladesh	Bangladesh	143.998	150	Hassler and Swale 2001	5000	Groombridge 1992
Belarus	Belarus	207.6	28	World Conservator Monitoring Centre 1999	1550	Malyshev 1994
Belgium	Belgium	30.519	54	Pausas and Sáez 2000	1452	Groombridge 1992
Belize	Belize	22.963	250	Hassler and Swale 2001	4423	Davis et al. 1997
Benin	Benin	112.622	37	Hassler and Swale 2001	2201	Davis et al. 1994
Bhutan	Bhutan	46.62	258	Hassler and Swale 2001	5500	Davis et al. 1995
Bolivia	Bolivia	1098.58	836	Hassler and Swale 2001	18500	Ibisch 1998
Botswana	Botswana	581.73	38	Hassler and Swale 2001	2151	Golding 2002
Bulgaria	Bulgaria	110.912	56	Tutin et al. 1993	3600	Davis et al. 1994
Burkina Faso	Burkina Faso	273.4	12	Hassler and Swale 2001	1203	Aké Assi 1998
Burundi	Burundi	27.834	125	Hassler and Swale 2001	2500	Lebrun 1976
Cambodia, Laos, Vietnam	Cambodia, Laos, Vietnam	750	350	Hassler and Swale 2001	12800	Davis et al. 1995
Cameroon	Cameroon	475.5	278	Hassler and Swale 2001	8260	Groombridge 1992
Cameroon	Mt. Cameroon	1.1	184	Aldasoro et al. 2004	1200	Groombridge 1992
Central African Republic	Central African Republic	624.977	112	Hassler and Swale 2001	3600	Davis et al. 1986
Chad	Chad	1284	30	Hassler and Swale 2001	1600	Lebrun 1976
Chile	Chile	751.626	128	Hassler and Swale 2001	5215	Davis et al. 1997
China	Yunnan Province, S.W. China	380	1500	Lu 2005	13000	Xiwen and Walker 1986

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
Colombia	Colombia	1138.91	1410	Hassler and Swale 2001	51000	Davis et al. 1997
Congo, Dem. Rep. (formerly Zaïre)	Congo, Dem. Rep. (formerly Zaïre)	2345.41	381	World Conservarion Monitoring Centre 1999	11007	Groombridge 1992
Congo, Republic	Congo, Republic	342	214	Hassler and Swale 2001	6000	Davis et al. 1994
Costa Rica	Costa Rica	50.899	1021	Hassler and Swale 2001	10000	Davis et al. 1997
Côte d'Ivoire	Côte d'Ivoire (Ivory Coast)	322.463	159	Hassler and Swale 2001	3720	Frodin 2001
Czech Republic, Slovakia	Czechoslovakia (Czech Republic and Slovakia)	127.87	68	Tutin et al. 1993	2590	Groombridge 1992
Denmark	Denmark	43.075	47	Tutin et al. 1993	1252	Groombridge 1992
Djibouti	Djibouti	23.31	13	Hassler and Swale 2001	671	Morat and Lowry II 1997
Ecuador	Ecuador	283	1318	Hassler and Swale 2001	15306	Jørgensen and León-Yáñez 1999
Egypt	Egypt	1000.25	12	Hassler and Swale 2001	2076	Groombridge 1992
Egypt	Sinai (Egypt)	57.018	7	Hassler and Swale 2001	984	Davis et al. 1994
El Salvador	El Salvador	21.393	284	Hassler and Swale 2001	2500	Davis et al. 1997
Equatorial Guinea	Equatorial Guinea	28.051	110	Hassler and Swale 2001	3250	Groombridge 1992
Equatorial Guinea	Mbini (mainland Equatorial Guinea, formerly Rto Muni)	28.051	117	Aldasoro et al. 2004	4076	Morat and Lowry II 1997
Eritrea	Eritrea	208	13	Hassler and Swale 2001	2709	Lebrun 1960Lebrun 1960
Estonia	Estonia	45.1	40	World Conservarion Monitoring Centre 1999	1182	Malyshev 1994
Ethiopia	Ethiopia	1251.28	134	Hassler and Swale 2001	6603	Groombridge 1992
Finland	Finland	337.032	64	Pausas and Sáez 2000	1045	Davis et al. 1994
France	France	549.619	107	Hassler and Swale 2001	4630	Groombridge 1992
French Guiana	French Guiana	91	318	Hassler and Swale 2001	5625	Davis et al. 1994
Gabon	Gabon	267.667	168	Hassler and Swale 2001	6651	Groombridge 1992
Gambia	Gambia	11.295	17	Hassler and Swale 2001	974	Groombridge 1992
Germany	Germany	356.973	77	Pausas and Sáez	2828	Fink et al. 1992
Ghana	Ghana	238.537	146	Hassler and Swale 2001	3725	Groombridge 1992
Greece	Greece	131.986	60	Hassler and Swale 2001	4992	Groombridge 1992
Greece	Greece (excl. Crete and the east Aegean)	131.986	68	Tutin et al. 1993	4025	Davis et al. 1986
Greenland	Greenland	341.7	31	Hassler and Swale 2001	497	Davis et al. 1994
Guatemala	Guatemala	108.888	674	Hassler and Swale 2001	8000	Davis et al. 1997
Guinea	Guinea	245.855	173	Hassler and Swale 2001	3000	Groombridge 1992
Guinea – Bissau	Guinea – Bissau	36.125	6	Hassler and Swale 2001	1000	Lebrun 1976

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
Guyana	Guyana	214.97	491	Hassler and Swale 2001	6400	Davis et al. 1997
Honduras	Honduras	112.087	521	Hassler and Swale 2001	6000	Davis et al. 1997
Hungary	Hungary	93.032	57	Tutin et al. 1993	2214	Groombridge 1992
India	India	3166.83	1042	Hassler and Swale 2001	17000	Davis et al. 1995
India	Himalaya, Sikkim	7.298	297	Hassler and Swale 2001	4250	Myers 1988a
Iran	Iran	1648	56	Hassler and Swale 2001	8000	Davis et al. 1994
Iraq	Iraq	438.446	19	Hassler and Swale 2001	3000	Davis et al. 1994
Israel	Israel	20.705	20	Hassler and Swale 2001	2225	Davis et al. 1994
Italy	Italy (mainland)	251.447	109	Tutin et al. 1993	5598	Groombridge 1992
Jordan	Jordan	97.668	5	Hassler and Swale 2001	2100	Davis et al. 1994
Kenya	Kenya	582.644	258	Hassler and Swale 2001	6302	Frodin 2001
Kuwait	Kuwait	24.281	1	Hassler and Swale 2001	282	Davis et al. 1994
Latvia	Latvia	63.7	48	World Conservarion Monitoring Centre 1999	1205	Frodin 2001
Lebanon	Lebanon	10.4	33	Hassler and Swale 2001	2600	Davis et al. 1994
Lesotho	Lesotho	30.344	65	Hassler and Swale 2001	1591	Davis et al. 1986
Liberia	Liberia	111.37	165	Hassler and Swale 2001	2200	Groombridge 1992
Libya	Libya	1759.54	15	Hassler and Swale 2001	1825	Groombridge 1992
Lithuania	Lithuania	65.2	21	World Conservarion Monitoring Centre 1999	1347	Malyshev 1994
Luxembourg	Luxembourg	2.586	42	World Conservarion Monitoring Centre 1999	1246	Groombridge 1992
Malawi	Malawi	118.484	187	Hassler and Swale 2001	5500	Golding 2002
Malaysia	Peninsular Malaysia	131.587	660	Hassler and Swale 2001	9000	Davis et al. 1995
Malaysia	Malaysia	332.669	1100	World Conservarion Monitoring Centre 1999	12500	Groombridge 1992
Malaysia, Singapore	Malaya (Peninsular Malaysia and Singapore)	132.1	632	Turner 1994	7900	Whitmore 1989
Mali	Mali	1240.14	31	Hassler and Swale 2001	1600	Davis et al. 1986
Mauritania	Mauritania	1030.7	8	Hassler and Swale 2001	1100	Lebrun 1976
Mexico	Mexico	1972.55	999	Hassler and Swale 2001	25000	Sosa and Dávila 1994
Mongolia	Mongolia	1565	29	Hassler and Swale 2001	2823	Frodin 2001
Morocco	Morocco	446.55	53	Hassler and Swale 2001	3675	Groombridge 1992
Mozambique	Mozambique	799.38	206	Hassler and Swale 2001	5692	Groombridge 1992
Myanmar (Burma)	Myanmar (Burma)	678.031	550	Hassler and Swale 2001	13000	Davis et al. 1995

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
Namibia	Namibia	824.268	48	Aldasoro et al. 2004	4122	Golding 2002
Nepal	Nepal	147.181	393	Hassler and Swale 2001	5806	Chaudhary 1998
Netherlands	Netherlands	41.16	46	Tutin et al. 1993	1200	Davis et al. 1994
Nicaragua	Nicaragua	148	510	Hassler and Swale 2001	7000	Davis et al. 1997
Niger	Niger	1267	14	Hassler and Swale 2001	1178	Lebrun and Stork 1991
Nigeria	Nigeria	923.85	180	Hassler and Swale 2001	4614	Lebrun 1976
North Korea, South Korea	Korean Peninsula (North Korea and South Korea)	220.759	241	Hassler and Swale 2001	2898	Davis et al. 1986
Norway	Norway	323.895	72	Pausas and Sáez 2000	1715	Groombridge 1992
Oman	Oman	271.95	15	Hassler and Swale 2001	1200	Davis et al. 1994
Pakistan	Pakistan	803.941	138	Hassler and Swale 2001	5750	Davis et al. 1986
Panama	Panama	78.513	878	Hassler and Swale 2001	8750	Davis et al. 1997
Paraguay	Paraguay	406.75	225	Hassler and Swale 2001	7500	Davis et al. 1986
Peru	Peru	1285.21	1057	Hassler and Swale 2001	17143	Brako and Zarucchi 1993
Poland	Poland	312.683	67	Tutin et al. 1993	2372	Groombridge 1992
Portugal	Portugal mainland, excl. Azores	91.631	58	Tutin et al. 1993	2600	Davis et al. 1994
Qatar	Qatar	11.431	0	Hassler and Swale 2001	306	Davis et al. 1994
Romania	Romania	237.5	65	Tutin et al. 1993	3630	Frodin 2001
Russia, Georgia, Turkey, Azerbaijan, Armenia, Iran	Caucasus	500	86	Hassler and Swale 2001	6300	Myers et al. 2000
Rwanda	Rwanda	26.338	125	Hassler and Swale 2001	2290	Groombridge 1992
Saudi Arabia	Saudi Arabia	1959.13	28	Hassler and Swale 2001	2243	Collenette 1998
Senegal	Senegal	196.72	40	Hassler and Swale 2001	2500	Ba and Noba 1998
Serbia, Montenegro, Macedonia	Serbia, Montenegro, Macedonia	127.886	68	World Conservation Monitoring Centre 1999	5500	Stevanovic et al. 1991
Sierra Leone	Sierra Leone	72.326	130	Hassler and Swale 2001	2090	Groombridge 1992
Sierra Leone	Loma Mountains and foothills	0.527	167	Aldasoro et al. 2004	1670	Jaeger 1983
Singapore	Singapore	0.616	170	World Conservation Monitoring Centre 1999	2168	Groombridge 1992
Somalia	Somalia	637.657	34	Hassler and Swale 2001	3000	Thulin 1993
South Africa	South Africa	1225.82	257	Hassler and Swale 2001	23420	Groombridge 1992
South Africa	Drakensberg Alpine Centre	33.7099	206	Aldasoro et al. 2004	2200	van Wyk and Smith 2001
South Africa	George, Knysna, Humansdorp and Uniondale	14	101	Aldasoro et al. 2004	2969	Lebrun 1960
Spain	Spain mainland, excl. Canary Islands	504.879	100	Hassler and Swale 2001	5048	Groombridge 1992

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Spain	Valencia	23.305	39	Pausas and Sáez 2000	2525	Mateo Saenz and Crespo Villalba 1995
Spain	Andalucia	87.599	54	Pausas and Sáez 2000	4314	Fernandez et al. 1991
Sudan	Sudan	2505.82	129	Hassler and Swale 2001	3250	Lebrun and Stork 1991
Sudan	Jebel Marra Mountains	77.7449	28	Aldasoro et al. 2004	968	Wickens 1976
Surinam	Suriname	163.82	313	Hassler and Swale 2001	5000	Davis et al. 1997
Swaziland	Swaziland	17.365	77	Hassler and Swale 2001	3400	Golding 2002
Sweden	Sweden	449.79	71	Pausas and Sáez 2000	2000	Gustafsson and Ahlén 1996
Switzerland	Switzerland	41.287	79	Tutin et al. 1993	3000	Davis et al. 1994
Syria	Syria	195.632	18	Hassler and Swale 2001	3459	Frodin 2001
Tanzania	Tanzania	945.087	371	Hassler and Swale 2001	10008	Groombridge 1992
Thailand	Thailand	514	652	Hassler and Swale 2001	12000	Davis et al. 1995
Togo	Togo	56.785	51	Hassler and Swale 2001	2423	Frodin 2001
Tunisia	Tunisia	164.148	28	Hassler and Swale 2001	2196	Groombridge 1992
Turkey	Turkey	779.452	85	World Conservarion Monitoring Centre 1999	8650	Davis et al. 1994
Turkey	Turkey-in-Europe	23.764	30	Tutin et al. 1993	2050	Frodin 1984
Uganda	Uganda	236.578	252	Hassler and Swale 2001	5406	Groombridge 1992
Ukraine	District Crimea	27	40	Hassler and Swale 2001	2433	Malyshev 1994
United Arab Emirates	United Arab Emirates	75.15	2	Hassler and Swale 2001	340	Davis et al. 1994
Uruguay	Uruguay	186.925	113	Hassler and Swale 2001	2270	Davis et al. 1997
USA	Vermont	24.9	89	USDA 2001	1620	Davis et al. 1997
USA	Alaska	1530.7	71	USDA 2001	1300	Davis et al. 1997
USA	New Hampshire	24.032	85	USDA 2001	1610	Davis et al. 1997
USA	Maine	86.156	84	USDA 2001	1680	Davis et al. 1997
USA	Minnesota	218.601	89	USDA 2001	1790	Davis et al. 1997
USA	Michigan	151.586	100	USDA 2001	2040	Davis et al. 1997
USA	Wisconsin	145.436	90	USDA 2001	1860	Davis et al. 1997
USA	Conneticut	12.997	82	USDA 2001	1820	Davis et al. 1997
USA	Rhode Island	3.14	62	USDA 2001	1430	Davis et al. 1997
USA	New York	127.19	100	USDA 2001	2360	Davis et al. 1997
USA	Massachusetts	21.456	83	USDA 2001	2000	Davis et al. 1997
USA	West Virginia	62.76	78	USDA 2001	1840	Davis et al. 1997

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
USA	Pennsylvania	117.348	91	USDA 2001	2210	Davis et al. 1997
USA	Delaware	5.295	66	USDA 2001	1610	Davis et al. 1997
USA	New Jersey	20.169	80	USDA 2001	2130	Davis et al. 1997
USA	Washington	176.479	92	USDA 2001	2380	Davis et al. 1997
USA	Iowa	145.753	61	USDA 2001	1600	Davis et al. 1997
USA	Ohio	107.044	76	USDA 2001	2010	Davis et al. 1997
USA	Florida	151.939	113	USDA 2001	3080	Davis et al. 1997
USA	Illinois	145.934	81	USDA 2001	2220	Davis et al. 1997
USA	Virginia	105.586	93	USDA 2001	2580	Davis et al. 1997
USA	Maryland	27.092	79	USDA 2001	2210	Davis et al. 1997
USA	Montana	380.848	76	USDA 2001	2160	Davis et al. 1997
USA	North Carolina	136.413	98	USDA 2001	2770	Davis et al. 1997
USA	Kentucky	104.66	69	USDA 2001	2000	Davis et al. 1997
USA	South Dakota	199.73	49	USDA 2001	1460	Davis et al. 1997
USA	Indiana	93.72	67	USDA 2001	2020	Davis et al. 1997
USA	Arkansas	137.754	71	USDA 2001	2140	Davis et al. 1997
USA	Tennessee	109.152	77	USDA 2001	2350	Davis et al. 1997
USA	Idaho	216.432	76	USDA 2001	2360	Davis et al. 1997
USA	Alabama	133.915	91	USDA 2001	2870	Davis et al. 1997
USA	Georgia	152.576	92	USDA 2001	2980	Davis et al. 1997
USA	South Carolina	80.582	81	USDA 2001	2500	Davis et al. 1997
USA	Missouri	180.516	62	USDA 2001	2100	Davis et al. 1997
USA	Oregon	251.419	90	USDA 2001	3130	Davis et al. 1997
USA	Oklahoma	181.186	67	USDA 2001	2320	Davis et al. 1997
USA	Arizona	295.26	97	USDA 2001	3510	Davis et al. 1997
USA	North Dakota	183.119	32	USDA 2001	1170	Davis et al. 1997
USA	Louisiana	123.677	63	USDA 2001	2400	Davis et al. 1997
USA	Wyoming	253.326	59	USDA 2001	2240	Davis et al. 1997
USA	Mississippi	123.515	60	USDA 2001	2300	Davis et al. 1997
USA	Texas	691.03	115	USDA 2001	4500	Davis et al. 1997
USA	Colorado	269.596	64	USDA 2001	2630	Davis et al. 1997
USA	New Mexico	314.925	73	USDA 2001	3290	Davis et al. 1997
USA	Utah	219.889	65	USDA 2001	2960	Davis et al. 1997



Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
USA	Kansas	213.098	39	USDA 2001	1730	Davis et al. 1997
USA	Nebraska	200.35	28	USDA 2001	1520	Davis et al. 1997
USA	Nevada	286.352	53	USDA 2001	2850	Davis et al. 1997
USA	California	411.049	98	USDA 2001	5510	Davis et al. 1997
Venezuela	Venezuela	912.047	1173	Hassler and Swale 2001	21070	Davis et al. 1997
Vietnam	Vietnam	326.605	591	Hassler and Swale 2001	12000	Phan 1996
Western Sahara	Western Sahara	266	0	Hassler and Swale 2001	330	Knapp 1973
Yemen – North – Arab Rep.	Yemen – North – Arab Republic (in 1991 unified)	189.85	44	Hassler and Swale 2001	1650	Davis et al. 1994
Yugoslavia (former territory)	Yugoslavia (former territory)	255.803	86	Tutin et al. 1993	5351	Groombridge 1992
Zambia	Zambia	752.617	141	Hassler and Swale 2001	4600	Lebrun 1960
Zimbabwe	Zimbabwe	390.31	238	Hassler and Swale 2001	4440	Groombridge 1992
Islands						
American Samoa	American Samoa	0.197	110	Hassler and Swale 2001	460	Davis et al. 1995
American Samoa, Western Samoa	Samoa Islands (American Samoa, western Samoa)	3.144	215	Whistler 1992	775	Davis et al. 1995
Antarctica	Heard and Macdonald Islands	0.412	0	Hassler and Swale 2001	11	Davis et al. 1986
Antarctica	Crozet Islands	0.505	6	Hassler and Swale 2001	28	Davis et al. 1986
Antarctica	Kerguelen Islands	7	8	Hassler and Swale 2001	29	Davis et al. 1986
Antigua	Antigua (Lesser Antilles)	0.279	29	Hassler and Swale 2001	845	Davis et al. 1994
Australia	Tasmania	67.34	102	Hassler and Swale 2001	1627	Frodin 2001
Australia	Lord Howe Island (dependency of New South Wales, Australia)	0.013	61	Hassler and Swale 2001	219	Rodd and Pickard 1983
Australia	Macquarie Island (dependency of Tasmania, Australia)	0.011	6	Hassler and Swale 2001	40	Davis et al. 1995
Australia	Norfolk Island (territory of Australia)	0.036	47	Hassler and Swale 2001	165	Davis et al. 1995
Bahamas	Bahamas	13.864	41	Hassler and Swale 2001	1129	Davis et al. 1994
Barbados	Barbados (Caribbean Island)	0.43	35	Hassler and Swale 2001	572	Davis et al. 1994
British Indian Ocean Territory	Chagos Archipelago	0.06	7	Hassler and Swale 2001	100	Davis et al. 1986
British overseas territories	Anguilla	0.091	0	Hassler and Swale 2001	321	Groombridge 1992
British overseas territories	Cayman Islands	0.259	19	Hassler and Swale 2001	539	Davis et al. 1994
British overseas territories	Montserrat (territory of the UK)	0.104	119	Hassler and Swale 2001	671	Groombridge 1992
British overseas territories	Turks and Caicos Islands	0.43	7	Hassler and Swale 2001	448	Groombridge 1992

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
British overseas territories	Bermuda Islands	0.054	19	Hassler and Swale 2001	167	Groombridge 1992
British overseas territories	Falkland Islands (Islas Malvinas)	12.173	21	Hassler and Swale 2001	165	Groombridge 1992
British overseas territories	South Georgia	3.757	8	Hassler and Swale 2001	24	Davis et al. 1986
British overseas territories	Henderson Island	0.037	9	Florence et al. 1995	63	Davis et al. 1986
British overseas territories	Pitcairn Islands (territory of the UK)	0.0435	25	Florence et al. 1995	76	Groombridge 1992
British overseas territories	Ascension Island	0.094	10	Aldasoro et al. 2004	25	Davis et al. 1986
British overseas territories	Saint Helena	0.121	31	Aldasoro et al. 2004	60	Davis et al. 1986
British overseas territories	Tristan da Cunha	0.159	36	Aldasoro et al. 2004	74	Davis et al. 1986
Canada	Queen Charlotte Islands of British Columbia	10.3	43	Calder and Taylor 1968	593	Major 1988
Cape Verde	Cape Verde	4.033	29	Aldasoro et al. 2004	257	W. Lobin pers. comm. 1994
Chile	Islas Desventuradas	0.0065	0	Hassler and Swale 2001	23	Marticorena 1990
Chile	Isla de Pascua (= Easter Island = Rapa Nui)	0.163	14	Hassler and Swale 2001	29	Marticorena 1990
Chile	Juan Fernández	0.1	54	Smith 1993	225	Marticorena 1990
Comoros	Comoros	2.238	168	Hassler and Swale 2001	416	Davis et al. 1986
Cook Islands	Cook Islands	0.23	58	Hassler and Swale 2001	284	Davis et al. 1995
Cuba	Cuba	114.524	495	Hassler and Swale 2001	6505	Davis et al. 1997
Cyprus	Cyprus	9.254	25	Hassler and Swale 2001	1682	Groombridge 1992
Denmark	Faroe Islands	1.399	26	Tutin et al. 1993	330	Bloch 1980
Dominica	Dominica	0.751	193	Hassler and Swale 2001	1227	Davis et al. 1994
Ecuador	Galápagos Islands	8.06	121	Hassler and Swale 2001	694	Jørgensen and León-Yáñez 1999
Equatorial Guinea	Bioko (Fernando Po)	2.017	204	Aldasoro et al. 2004	1105	Davis et al. 1986
Equatorial Guinea	Pagalu (Annobon)	0.017	42	Aldasoro et al. 2004	208	Davis et al. 1986
Fiji	Fiji	18.235	298	Hassler and Swale 2001	2130	Frodin 2001
France	Guadeloupe (département of France)	1.1779	288	Hassler and Swale 2001	1672	Davis et al. 1994
France	Corsica	8.723	64	Hassler and Swale 2001	2180	Davis et al. 1994
France	St.-Pierre and Miquelon (département of France)	0.241	32	Hassler and Swale 2001	391	Davis et al. 1986
France	New Caledonia	19.111	263	Hassler and Swale 2001	3094	Groombridge 1992
France	Réunion	2.512	240	World Conservarion Monitoring Centre 1999	546	Davis et al. 1994
French Polynesia	Marquesas Islands	1.275	108	Florence and Lorence 1997	318	Davis et al. 1995
Greece	Crete	8.7	37	Tutin et al. 1993	1586	Frodin 2001
Grenada	Grenada	0.345	148	Hassler and Swale 2001	990	Davis et al. 1997

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
Haiti, Dominican Republic	Hispaniola (Haiti, Dominican Republic)	76.191	550	Hassler and Swale 2001	5135	Davis et al. 1997
Iceland	Iceland	102.819	35	Tutin et al. 1993	377	Groombridge 1992
India	Andaman and Nicobar Islands	8.12	68	Hassler and Swale 2001	2270	Davis et al. 1986
Indonesia	Java	134.044	519	Hassler and Swale 2001	5000	Davis et al. 1995
Indonesia	Moluccas (Maluku)	65	550	Hassler and Swale 2001	3000	de Vogel 1989a
Indonesia	Sulawesi	189	600	Hassler and Swale 2001	5000	de Vogel 1989b
Indonesia	Sumatra	472.61	750	Hassler and Swale 2001	10000	Davis et al. 1995
Indonesia	Indonesia	1919.44	1875	World Conservator Monitoring Centre 1999	10000	Davis et al. 1986
Indonesia, Malaysia	Borneo	757.05	1185	Hassler and Swale 2001	12500	Ashton 1989
Indonesia, Papua New Guinea	New Guinea (Irian Jaya – Indonesia, Papua New Guinea)	875.821	1183	Hassler and Swale 2001	11000	Myers 1988b
Ireland	Ireland	68.895	57	Tutin et al. 1993	950	Groombridge 1992
Italy	Sardinia	24.09	45	Hassler and Swale 2001	2100	Davis et al. 1994
Italy	Sicily	25.708	45	Hassler and Swale 2001	3000	Brullo et al. 1995
Jamaica	Jamaica	11.425	579	Smith 1993	3304	Davis et al. 1997
Japan	Bonin (Ogasawara) Islands	0.073	79	Hassler and Swale 2001	400	Davis et al. 1995
Japan	Japan	369.698	600	Guo et al. 2003	5372	Groombridge 1992
Madagascar	Madagascar	587	557	Aldasoro et al. 2004	9345	Davis et al. 1994
Malaysia	Kinabalu Park (Sabah)	0.737	613	Kessler et al. 2001	4500	Davis et al. 1995
Maldives	Maldives	0.289	0	Hassler and Swale 2001	277	Groombridge 1992
Malta	Malta	0.316	27	Hassler and Swale 2001	914	Groombridge 1992
Mariana Islands (North Marianas)	Mariana Islands (North Marianas)	0.477	28	Hassler and Swale 2001	286	Davis et al. 1986
Marshall Islands	Marshall Islands	0.181	10	Hassler and Swale 2001	100	Davis et al. 1986
Martinique	Martinique (département of France)	1.079	227	Hassler and Swale 2001	1505	Davis et al. 1994
Mauritius	Mauritius	1.865	178	World Conservator Monitoring Centre 1999	685	Davis et al. 1994
Nauru	Nauru	0.0207	3	Hassler and Swale 2001	39	Davis et al. 1986
Netherlands Antilles	Aruba, Bonaire and Curacao	0.865	8	Hassler and Swale 2001	460	Davis et al. 1997
New Zealand	Auckland Islands	0.625	43	Hassler and Swale 2001	228	Davis et al. 1995
New Zealand	Campbell Islands	0.114	22	Hassler and Swale 2001	218	Davis et al. 1995
New Zealand	New Zealand	269	208	McGlone et al. 2001	2400	Davis et al. 1995
New Zealand	Chatham Islands	0.6	72	Given and Williams 1984	315	Rogers and Overton 2000
Niue	Niue	0.259	28	Hassler and Swale 2001	175	Davis et al. 1986

Country	Geographic unit	Area [10 <sup>3</sup> km <sup>2</sup> ]	Pteridophytes	Reference	Vascular plants	Reference
Norway	Spitzbergen	60	5	Hassler and Swale 2001	165	Walter 1974
Palau	Palau	0.494	124	Hassler and Swale 2001	175	Davis et al. 1995
Philippines	Philippines	300	1048	Hassler and Swale 2001	8931	Groombridge 1992
Portugal	Madeira Islands and Salvage Islands	0.731	60	Hassler and Swale 2001	1226	Davis et al. 1994
Portugal	Azores (autonomous region of Portugal)	2.235	52	Tutin et al. 1993	600	Davis et al. 1986
Príncipe	Príncipe	0.139	80	Aldasoro et al. 2004	320	Davis et al. 1994
Puerto Rico	Puerto Rico	8.959	324	USDA 2001	2492	Davis et al. 1994
Sao Tomé	Sao Tomé	0.857	139	Aldasoro et al. 2004	601	Davis et al. 1994
Seychelles	Seychelles	0.404	94	Hassler and Swale 2001	250	Davis et al. 1986
Solomon Islands	Solomon Islands	29.79	350	Hassler and Swale 2001	3172	Groombridge 1992
Spain	Canary Islands	7.545	57	Hassler and Swale 2001	1200	Davis et al. 1994
Spain	Balearic Islands	5.014	38	Pausas and Sáez 2000	1400	Olivier et al. 1995
Sri Lanka (Ceylon)	Sri Lanka (Ceylon)	65.584	396	Hassler and Swale 2001	3370	Davis et al. 1995
St. Kitts	St. Kitts (Caribbean Island)	0.184	127	Hassler and Swale 2001	659	Davis et al. 1997
St. Lucia	St. Lucia (Lesser Antilles)	0.616	122	Hassler and Swale 2001	1028	Davis et al. 1997
St. Vincent and Grenadines	St. Vincent and Grenadines (Lesser Antilles)	0.734	163	Hassler and Swale 2001	1166	Groombridge 1992
Taiwan	Taiwan	36	738	Hassler and Swale 2001	4000	Frodin 2001
Tokelau Islands	Tokelau Islands	0.01	9	Hassler and Swale 2001	32	Groombridge 1992
Tonga	Tonga	0.699	77	Whistler 1992	463	Groombridge 1992
Tuvalu	Tuvalu	0.026	7	Hassler and Swale 2001	44	Davis et al. 1995
United Kingdom	United Kingdom	243.764	66	Hassler and Swale 2001	1515	Groombridge 1992
USA	Hawaii (State of the USA)	16.641	172	Wagner 1991	1200	Davis et al. 1995
USA	Virgin Islands	0.345	51	USDA 2001	890	Davis et al. 1986
Vanuatu (former New Hebrides)	Vanuatu (former New Hebrides)	14.763	150	Hassler and Swale 2001	870	Davis et al. 1995
Wallis and Futuna	Wallis and Futuna	0.25	59	Hassler and Swale 2001	475	Davis et al. 1995
Western Samoa	Western Samoa	2.94	217	Hassler and Swale 2001	894	Davis et al. 1995
Yemen – South – Dem. Rep.	Socotra	3.625	24	Hassler and Swale 2001	815	Davis et al. 1994

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