

Table SPBS-28

## S&amp;E articles in natural resources and conservation, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
World	12,843	14,019	14,683	14,711	15,528	16,468	17,331	18,419	19,831	21,808	24,225	26,163	28,049	30,935	31,247	35,075	35,221	39,613	42,888	45,640	53,022	59,046	69,385	80,285	94,639
North America	5,498	5,877	6,075	5,722	6,631	5,924	6,503	6,647	7,626	8,506	7,970	8,525	8,681	9,029	8,678	9,565	8,849	9,289	9,866	10,237	11,172	12,309	13,167	14,313	14,857
Canada	1,258	1,274	1,378	1,248	1,377	1,229	1,342	1,466	1,531	1,946	1,760	1,784	1,798	1,822	1,857	1,905	1,989	1,992	2,095	2,214	2,449	2,620	2,903	3,175	3,272
Greenland	2	0	1	1	9	2	7	4	7	12	9	12	11	5	4	12	6	11	10	10	10	12	12	26	18
Mexico	89	94	112	127	106	142	165	201	239	230	256	320	329	341	387	450	503	577	548	658	628	843	972	1,006	1,123
United States	4,326	4,664	4,780	4,532	5,355	4,753	5,237	5,310	6,212	6,744	6,348	6,811	6,918	7,277	6,862	7,657	6,812	7,180	7,715	7,913	8,690	9,505	10,047	10,903	11,266
Central America and Caribbean	31	49	46	51	45	60	55	73	72	74	67	103	88	117	107	122	143	132	154	120	151	191	208	232	291
Antigua and Barbuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bahamas, The	0	0	0	0	0	0	0	0	1	1	1	2	3	2	4	1	4	4	2	8	3	5	8	11	14
Barbados	0	2	4	4	2	4	1	2	4	4	1	4	2	5	3	2	7	6	3	6	3	16	6	11	6
Belize	0	1	2	1	0	0	0	2	3	4	0	2	0	1	1	0	1	4	4	2	3	5	3	3	8
Costa Rica	8	15	11	16	18	33	13	19	23	16	9	27	19	28	27	25	24	36	41	36	41	52	52	60	74
Cuba	5	5	7	4	3	2	5	8	5	10	13	19	13	20	28	31	32	34	30	19	34	34	36	47	53
Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0
Dominican Republic	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	3	3	1	3	2	4	2	14
El Salvador	0	0	0	1	0	0	2	0	1	0	0	1	0	0	1	0	1	1	1	4	1	2	1	1	2
Grenada	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2	0	5	1	3	7	5	4	8
Guatemala	1	1	1	1	1	1	0	0	2	2	1	4	4	1	4	2	6	5	3	4	4	1	2	2	10
Haiti	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	1	0	0	3	1	0	1	1	2	2
Honduras	0	2	1	1	3	0	0	3	5	3	2	5	2	2	3	4	3	1	2	3	1	3	4	4	13
Jamaica	5	3	3	6	2	4	7	9	3	4	2	1	3	5	2	5	5	1	4	9	7	8	10	7	11
Nicaragua	0	4	2	1	1	2	1	5	3	3	8	5	2	6	9	5	6	4	5	5	2	3	3	6	11
Panama	0	2	1	1	2	1	3	9	4	5	6	3	9	9	7	20	13	11	14	11	14	15	17	34	35
Puerto Rico	9	12	12	13	11	10	16	14	17	16	18	22	23	30	20	19	28	18	32	16	21	33	40	28	30
Saint Kitts and Nevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	3	0	2	2	4
Saint Lucia	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	1	0	1
Saint Vincent and the Grenadines	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1
Trinidad and Tobago	3	1	3	4	2	5	7	3	8	7	6	13	13	8	4	6	13	7	8	7	12	14	25	15	18
South America	195	232	283	292	337	384	504	418	531	573	864	1,056	1,086	1,349	1,354	1,607	1,858	2,160	2,433	2,658	3,165	3,470	4,110	4,730	5,496
Argentina	33	54	51	36	54	60	69	65	85	91	132	138	153	156	168	191	227	248	320	236	310	316	374	412	451
Bolivia	0	1	5	8	10	5	8	6	6	7	12	10	10	12	10	9	17	12	13	12	24	15	18	28	30

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Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Brazil	89	107	157	154	191	219	320	222	302	328	540	698	695	907	942	1,141	1,303	1,532	1,696	1,902	2,174	2,428	2,802	3,246	3,734
Chile	38	29	34	50	47	50	62	77	88	89	114	154	150	160	155	166	201	221	220	282	350	381	445	480	576
Colombia	13	7	9	8	7	14	7	13	22	18	32	50	37	82	71	72	89	107	119	168	219	233	332	425	538
Ecuador	2	9	8	6	7	8	7	8	8	6	4	11	10	9	9	13	12	22	28	56	88	95	146	163	231
Guyana	1	4	1	1	2	1	2	0	1	1	2	1	1	1	2	2	1	3	3	2	1	2	1	7	7
Paraguay	0	0	1	0	2	0	0	0	1	2	0	0	0	0	0	1	3	0	6	0	8	8	6	11	7
Peru	2	1	2	1	3	11	13	7	9	11	12	12	21	16	18	29	25	33	49	53	50	70	103	128	182
Suriname	1	0	1	0	1	1	1	0	0	1	2	1	0	1	0	1	4	0	1	0	1	3	1	4	7
Uruguay	2	4	4	9	3	4	4	6	10	17	10	8	17	26	12	12	26	19	27	28	50	35	44	49	52
Venezuela	16	20	16	22	17	18	18	20	25	31	33	12	27	29	14	24	24	35	50	22	29	38	40	37	40
Europe	4,590	5,074	5,345	5,537	5,505	5,982	6,250	7,035	7,269	7,559	9,094	9,384	10,055	10,914	11,106	12,389	13,166	14,331	15,686	16,405	19,217	21,132	25,133	28,979	33,467
EU-27+ and UK <sup>a</sup>	4,107	4,495	4,810	4,949	4,997	5,356	5,547	6,205	6,397	6,651	7,868	8,061	8,664	9,377	9,543	10,622	11,387	12,451	13,668	14,247	16,901	18,218	21,432	23,065	24,976
UK	978	1,117	1,185	1,308	1,219	1,251	1,169	1,378	1,283	1,299	1,412	1,479	1,452	1,512	1,517	1,666	1,729	1,865	2,123	2,191	2,735	2,859	3,514	3,893	4,364
EU-27 <sup>b</sup>	3,251	3,530	3,792	3,821	3,935	4,289	4,562	5,089	5,366	5,624	6,753	6,921	7,532	8,278	8,418	9,402	10,166	11,149	12,236	12,778	15,150	16,280	19,107	20,537	22,098
Austria	61	101	110	97	97	125	121	129	125	169	206	263	248	267	269	270	325	371	386	423	509	528	647	702	732
Belgium	135	136	172	158	150	183	194	235	257	253	274	324	266	307	354	339	365	420	451	474	610	573	659	759	886
Bulgaria	21	20	15	28	24	21	11	28	30	24	27	43	26	51	53	76	55	57	56	59	83	91	76	142	212
Croatia	30	20	32	36	39	45	34	44	61	88	159	132	150	158	126	227	185	164	143	160	206	215	251	259	300
Cyprus	3	2	3	4	3	5	5	10	14	6	6	8	16	31	21	17	15	35	39	47	48	45	69	84	131
Czechia	43	36	54	58	40	91	91	145	170	155	184	219	226	312	342	366	377	383	489	544	640	746	829	881	1,011
Denmark	129	170	174	186	224	221	210	221	252	241	298	303	317	364	354	384	400	451	573	571	709	766	871	1,069	1,112
Estonia	21	19	19	25	21	25	20	35	34	51	68	65	61	82	82	99	73	78	73	92	108	115	107	147	210
Finland	293	311	426	297	382	376	391	427	467	488	485	494	446	488	512	504	606	538	587	600	693	730	817	915	995
France	395	473	490	514	510	521	592	653	687	710	868	819	963	1,031	908	1,112	1,123	1,312	1,528	1,473	1,840	1,807	2,107	2,147	2,362
Germany	592	676	663	716	709	767	849	865	824	1,005	992	1,126	1,149	1,275	1,223	1,451	1,483	1,617	1,729	1,909	2,245	2,533	2,790	3,260	3,359
Greece	116	165	101	123	143	197	190	221	286	212	353	306	319	394	377	376	422	462	464	457	509	544	648	645	707
Hungary	23	34	27	27	25	29	45	40	32	48	69	57	56	132	99	90	137	150	134	155	184	206	215	228	288
Ireland	50	43	46	62	61	61	76	75	88	77	109	108	115	131	137	181	161	175	210	189	247	241	317	390	447
Italy	285	293	291	314	321	370	406	487	508	538	662	684	776	848	871	903	1,064	1,301	1,619	1,631	2,019	2,194	2,689	2,832	3,111
Latvia	11	5	7	10	5	10	4	7	4	49	44	9	11	58	91	105	97	121	92	145	168	201	159	164	200
Lithuania	3	4	12	9	7	14	10	15	18	38	56	67	52	52	70	81	88	73	107	116	152	128	182	234	264
Luxembourg	3	3	1	5	0	2	1	1	5	6	2	3	5	17	14	11	19	26	30	17	20	31	45	45	60
Malta	2	2	2	3	3	2	5	5	3	1	2	2	2	1	11	6	4	8	5	16	7	14	17	29	25
Netherlands	274	260	347	284	297	301	340	313	332	356	443	478	496	546	579	577	672	772	883	822	1,104	1,084	1,355	1,443	1,598

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Poland	201	203	210	250	230	204	308	315	344	341	399	417	487	599	621	677	738	898	1,033	1,101	1,571	1,842	2,350	2,245	2,174
Portugal	56	77	96	90	97	129	141	169	193	202	260	321	405	381	434	491	495	572	671	697	815	830	1,048	1,166	1,314
Romania	6	16	5	13	13	15	22	20	23	23	34	43	85	148	177	216	258	277	239	302	257	307	343	596	566
Slovakia	26	21	26	27	24	54	48	53	45	52	69	95	145	128	142	162	207	240	219	260	305	306	329	437	409
Slovenia	14	23	13	24	33	17	31	26	29	48	73	100	91	98	99	122	143	136	145	154	198	183	196	226	232
Spain	325	357	314	434	378	468	488	561	650	628	834	906	1,118	1,113	1,255	1,385	1,656	1,692	1,863	1,939	2,335	2,461	3,066	3,128	3,543
Sweden	360	366	480	450	488	468	438	592	590	595	645	610	631	633	656	719	842	874	952	1,010	1,141	1,212	1,370	1,487	1,519
Other Europe	591	714	684	751	671	813	904	1,107	1,189	1,238	1,575	1,720	1,840	2,062	2,097	2,331	2,436	2,625	2,821	3,043	3,431	4,086	5,129	7,531	10,384
Other Europe, 2020 <sup>b</sup>	1,548	1,801	1,821	2,011	1,837	2,017	2,020	2,407	2,399	2,467	2,909	3,097	3,199	3,450	3,482	3,898	4,015	4,334	4,798	5,068	5,956	6,759	8,358	11,127	14,372
Albania	7	1	2	1	2	1	0	2	2	1	1	1	3	4	10	22	22	11	24	15	14	12	18	22	23
Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	1
Belarus	7	5	1	3	3	8	10	8	7	5	2	12	2	9	8	6	14	6	6	13	9	22	39	44	106
Bosnia and Herzegovina	0	0	0	0	1	3	1	0	2	2	5	7	10	10	14	26	12	18	16	20	32	37	51	41	52
Holy See (Vatican City)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Iceland	24	32	20	9	27	22	26	33	26	29	44	32	34	40	53	43	73	57	58	59	65	60	84	90	106
Kosovo	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	10	6	8	9	14	15	18	23	24	33
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	2	1	1	1	0
Moldova	1	2	0	0	0	0	0	0	1	2	2	5	0	3	0	3	5	13	5	3	3	8	8	7	14
Monaco	5	2	3	19	1	3	3	2	6	8	11	5	9	8	4	8	7	9	5	10	13	13	19	10	24
Montenegro <sup>c</sup>	0	0	0	0	0	0	0	0	0	0	0	4	1	2	4	6	4	10	6	6	14	14	17	22	19
North Macedonia	1	1	0	0	0	1	0	1	1	5	12	3	5	12	9	20	13	25	18	20	30	30	31	35	22
Norway	232	287	333	333	298	348	358	415	398	397	511	485	517	504	541	627	677	734	711	683	770	888	944	996	1,216
Russia	113	137	102	121	102	130	135	132	115	122	210	262	219	220	244	267	257	256	432	370	535	881	1,486	3,191	5,115
San Marino	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Serbia <sup>c</sup>	0	0	0	0	0	0	0	0	0	0	0	39	51	59	99	116	147	161	156	219	259	227	236	289	274
Serbia and Montenegro <sup>d</sup>	9	12	10	9	9	15	12	18	19	30	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	133	150	154	157	148	165	196	216	218	275	300	341	330	455	385	434	512	572	651	677	761	791	956	1,005	986
Turkey	60	90	67	107	88	124	178	297	397	374	459	526	657	719	767	725	728	771	756	996	1,029	1,172	1,239	1,579	2,175
Ukraine	17	27	11	16	13	20	14	25	28	25	23	42	39	66	26	94	63	68	65	60	71	88	206	467	626
Middle East	177	202	178	171	189	207	216	262	304	346	449	549	603	672	842	1,093	1,200	1,405	1,568	1,799	2,137	2,606	3,108	4,105	5,333
Armenia	1	0	2	0	0	0	1	2	0	2	4	8	1	2	3	4	17	4	0	1	5	6	8	22	25

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Azerbaijan	0	2	1	1	1	1	0	0	0	3	4	4	3	1	7	3	3	9	7	4	8	10	17	21	54
Bahrain	3	1	3	4	1	2	2	2	4	1	2	1	1	6	2	1	1	3	1	5	5	15	14	14	38
Gaza Strip <sup>e</sup>	0	1	0	0	0	1	1	2	1	2	3	0	2	1	2	3	0	5	6	3	5	9	7	5	6
Georgia	0	2	1	0	1	0	3	4	1	1	5	8	2	4	1	3	8	13	6	6	3	12	17	16	32
Iran	14	12	12	14	12	18	32	50	75	98	158	255	309	359	489	628	709	835	923	995	1,195	1,419	1,757	2,254	2,788
Iraq	4	3	2	0	1	2	1	3	3	2	3	1	6	7	9	15	23	25	46	44	58	104	133	237	350
Israel	65	112	83	71	87	92	82	95	107	131	120	108	106	94	96	92	95	110	124	122	140	148	212	212	238
Jordan	7	9	8	12	14	15	15	14	21	17	38	44	44	36	38	44	29	52	36	57	65	72	117	147	145
Kuwait	24	10	31	17	22	25	22	23	32	20	29	29	34	25	27	37	38	27	26	26	25	45	45	69	94
Lebanon	7	7	4	7	14	16	14	15	18	12	22	17	13	22	25	21	31	45	38	37	59	83	90	91	100
Oman	4	2	0	2	7	7	8	7	10	9	15	12	15	21	20	21	20	36	31	48	45	54	51	86	130
Qatar	4	4	3	2	1	2	1	1	0	3	3	5	3	1	13	11	12	19	24	42	58	74	86	149	235
Saudi Arabia	29	28	16	27	21	16	21	20	21	22	17	33	40	57	77	165	173	172	246	341	403	485	475	673	1,021
Syria	2	2	2	1	2	0	4	3	7	7	8	2	8	8	12	9	10	7	26	14	16	5	17	17	12
United Arab Emirates	12	9	10	12	8	9	7	24	9	17	19	21	17	29	28	41	38	52	45	80	90	129	126	213	284
West Bank <sup>e</sup>	2	1	0	0	1	4	3	4	2	2	7	6	7	11	10	13	7	8	7	8	11	19	12	24	19
Yemen	0	1	1	2	0	0	1	0	2	2	2	1	3	5	4	5	3	11	6	7	12	4	18	13	30
Africa	296	307	276	326	326	346	448	459	487	502	618	626	667	830	930	1,001	1,156	1,309	1,541	1,694	2,054	2,535	3,169	4,116	5,530
Algeria	3	3	2	4	4	5	3	8	10	17	16	14	27	40	36	44	62	60	97	76	119	141	172	207	216
Angola	0	0	0	1	1	0	0	0	0	0	0	0	1	3	2	0	3	2	2	5	2	3	6	2	7
Benin	1	1	4	4	0	5	4	3	2	2	8	7	6	6	9	8	8	16	11	13	13	20	26	38	38
Botswana	2	1	0	0	5	2	2	3	1	11	10	9	7	9	11	12	14	7	12	7	17	9	23	36	42
Burkina Faso	1	2	4	0	2	5	5	1	5	2	4	7	8	11	9	21	18	11	9	14	15	28	34	31	33
Burundi	1	1	0	0	0	0	0	1	0	0	1	0	0	0	2	2	0	0	0	1	0	6	3	6	5
Cabo Verde	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	6	5	6	1	2	0	2	2	2
Cameroon	5	11	6	8	14	10	18	10	18	14	18	17	15	12	30	24	30	30	51	36	53	50	51	85	87
Central African Republic	0	0	0	1	0	0	1	2	0	1	0	0	1	1	1	1	1	2	0	0	0	1	1	0	4
Chad	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3	2	2	2
Comoros	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	1	0	0	1
Congo, Democratic Republic of the	1	0	0	0	0	1	1	0	0	0	0	0	1	1	5	4	3	7	9	8	13	18	13	14	33
Congo, Republic of the	3	2	1	2	2	1	6	4	3	6	3	1	2	3	6	2	3	4	9	4	4	7	11	8	11

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## S&amp;E articles in natural resources and conservation, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Côte d'Ivoire	8	3	6	8	5	3	8	2	0	2	8	7	9	13	6	8	7	4	8	15	13	12	20	30	40
Djibouti	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1	0	1	2	1	5
Egypt	47	44	45	55	51	63	76	63	71	78	71	92	92	102	136	144	164	239	278	292	371	429	681	947	1,370
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1
Eritrea	0	0	1	0	0	0	3	1	0	0	3	2	0	1	1	0	1	1	2	2	3	4	1	1	1
Eswatini	0	0	1	2	0	0	0	0	1	0	0	1	1	1	0	1	1	0	1	0	0	1	0	2	1
Ethiopia	5	1	11	5	6	2	12	15	11	14	20	23	16	25	28	35	52	57	75	54	70	132	161	196	295
Gabon	0	1	2	0	0	0	2	1	0	1	0	1	2	2	2	3	2	3	7	3	4	1	7	7	14
Gambia, The	0	0	0	0	0	0	2	1	3	0	0	2	0	0	0	0	1	1	1	0	1	0	1	3	2
Ghana	4	6	11	9	9	10	21	13	9	10	27	31	26	36	65	46	42	47	72	77	111	123	160	226	336
Guinea	0	0	0	2	0	2	0	1	0	1	0	0	0	0	3	2	0	0	1	1	2	2	2	3	4
Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0
Kenya	24	18	23	29	29	18	37	33	36	35	41	30	28	47	53	73	66	77	118	90	100	135	136	170	259
Lesotho	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	2	2	1	2	1	1	0	1	2	6
Liberia	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	3	2	3	2
Libya	1	0	0	1	3	1	1	1	2	4	3	3	7	6	3	4	1	11	11	9	13	9	16	14	30
Madagascar	0	3	1	2	1	0	2	3	4	1	4	2	3	5	4	3	4	5	6	12	10	13	7	14	12
Malawi	10	10	2	7	7	2	1	8	1	8	15	12	12	6	9	15	10	12	15	19	18	20	30	26	51
Mali	1	0	0	2	0	0	3	2	8	2	4	1	5	4	4	12	12	7	8	4	12	15	13	12	12
Mauritania	0	0	0	2	1	0	0	2	0	4	3	2	1	1	3	2	2	1	3	1	5	2	1	2	4
Mauritius	1	3	4	1	5	4	5	3	4	5	3	2	8	2	5	8	9	11	7	10	8	17	16	22	23
Morocco	6	7	6	14	14	23	17	17	17	16	23	24	29	22	16	30	45	47	41	57	76	84	168	206	332
Mozambique	0	1	1	6	1	1	0	4	2	3	5	2	4	10	4	8	12	10	8	14	14	23	19	35	29
Namibia	1	1	1	6	1	8	5	5	9	8	5	5	0	4	1	4	7	5	5	18	19	17	17	25	32
Niger	2	1	3	1	1	3	0	1	3	0	0	1	2	3	15	8	3	3	5	3	5	8	9	5	10
Nigeria	45	36	42	48	52	51	64	53	79	90	89	80	117	140	161	161	200	155	176	232	279	412	497	660	998
Rwanda	2	1	0	0	0	0	0	1	0	1	1	1	0	1	5	5	6	5	7	6	9	11	13	22	34
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Senegal	3	12	8	8	6	11	11	17	14	8	10	3	4	8	10	11	13	16	12	18	17	23	29	33	33
Seychelles	1	1	1	0	2	1	1	2	1	1	3	10	5	0	3	3	5	7	12	10	5	8	8	8	12
Sierra Leone	2	0	0	2	1	2	0	0	0	1	0	0	0	1	4	0	0	4	3	3	3	3	1	2	12
Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1
South Africa	102	101	68	93	90	90	129	126	136	136	192	168	177	236	206	252	248	313	335	423	475	623	746	920	1,000
South Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	2

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## S&amp;E articles in natural resources and conservation, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Sudan	2	1	0	1	1	1	0	4	1	3	6	2	2	5	6	10	13	6	10	8	17	16	19	26	35
Tanzania	13	17	7	11	12	8	21	22	20	28	29	24	10	19	33	20	30	28	40	40	49	64	59	99	135
Togo	0	0	2	0	0	1	2	0	1	0	1	0	2	0	1	3	3	0	4	3	2	1	7	4	10
Tunisia	4	7	8	4	2	11	6	13	19	22	17	44	48	67	83	80	95	126	138	182	202	186	191	213	268
Uganda	2	2	10	3	4	7	5	11	5	11	10	10	10	19	23	19	25	29	32	39	34	44	59	72	106
Zambia	2	7	2	5	2	3	6	13	7	7	6	6	6	5	7	5	9	12	13	10	24	22	22	36	48
Zimbabwe	14	16	12	9	10	10	15	22	5	4	8	14	9	6	3	8	7	17	12	20	26	35	40	40	52
Asia	2,398	2,668	2,938	3,046	3,037	4,118	4,102	4,593	4,785	5,895	6,963	7,927	8,887	10,532	11,078	12,638	12,477	15,247	16,741	18,795	22,683	25,709	31,978	37,749	47,084
Afghanistan	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	5	1	2	2	1	2	3	6	4	8
Bangladesh	22	22	24	25	23	19	28	34	41	54	60	81	101	88	100	97	144	116	157	135	226	233	286	368	523
Bhutan	1	1	1	1	0	0	0	1	2	1	1	5	2	2	4	0	0	1	0	2	4	5	4	7	5
Brunei	2	1	2	3	1	0	0	3	0	0	0	2	0	0	1	6	3	6	9	5	12	20	19	21	37
Burma	0	0	1	0	1	0	0	0	2	2	0	2	1	0	3	1	4	1	5	8	8	11	17	17	30
Cambodia	0	0	0	1	0	2	1	5	3	2	8	11	6	8	0	8	11	14	10	12	12	14	26	24	27
China	375	459	584	608	491	1,003	994	1,433	1,595	2,271	3,070	3,724	4,426	5,445	5,749	6,965	6,491	9,072	10,226	11,854	14,410	16,323	20,635	25,512	31,811
India	527	571	634	687	826	922	816	976	932	1,097	1,156	1,231	1,313	1,594	1,841	1,924	2,074	2,087	1,993	2,218	2,640	2,919	3,200	3,683	4,994
Indonesia	50	30	36	47	41	51	52	51	65	59	61	50	56	81	97	105	185	207	239	269	311	437	1,539	1,057	1,782
Japan	1,080	1,171	1,178	1,182	1,179	1,509	1,523	1,374	1,383	1,586	1,547	1,647	1,631	1,795	1,512	1,573	1,589	1,581	1,497	1,554	1,831	1,967	2,164	2,302	2,430
Kazakhstan	0	2	3	1	2	1	1	1	0	3	5	6	7	2	1	6	8	22	43	18	110	212	204	324	476
Kyrgyzstan	0	0	2	0	0	0	2	0	1	1	3	0	4	1	0	6	1	8	5	7	7	11	11	22	57
Laos	1	1	0	0	0	2	0	1	1	0	7	4	3	6	7	11	11	11	13	8	26	11	14	24	16
Malaysia	41	65	34	58	67	58	73	88	81	90	122	160	171	293	374	455	515	626	780	902	1,040	1,149	1,283	1,364	1,637
Maldives	1	0	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1	2	1	4	2	4	3	6	4
Mongolia	1	0	0	2	0	1	0	1	2	2	2	4	5	1	7	8	7	16	4	6	7	22	25	37	31
Nepal	3	3	14	5	4	5	5	9	6	16	10	12	20	24	14	21	28	34	35	40	47	59	84	111	122
North Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	4	13	10
Pakistan	5	13	39	4	7	15	12	19	18	38	42	57	69	81	105	125	129	194	265	327	450	575	726	980	1,375
Papua New Guinea	3	4	1	5	1	2	1	2	2	1	1	5	3	4	1	3	3	5	6	6	12	10	12	7	17
Philippines	48	47	51	42	45	35	56	48	50	49	73	53	59	64	53	67	66	78	90	99	143	143	181	222	273
Singapore	29	65	24	19	26	45	46	42	39	48	56	54	67	72	87	83	80	140	160	210	243	305	344	443	470
South Korea	47	71	86	107	130	234	272	255	384	348	418	449	656	589	710	779	870	901	1,084	1,118	1,256	1,532	1,715	1,951	2,134
Sri Lanka	15	8	15	14	11	15	13	19	7	28	31	21	26	28	26	27	39	40	54	57	78	72	75	121	163
Taiwan	156	183	224	260	220	247	257	299	288	305	426	434	458	506	577	535	556	485	513	503	638	632	743	918	1,154
Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	2	5	3	2	1	6	9	21	22
Thailand	57	46	64	51	49	70	103	104	91	131	196	236	241	299	289	322	291	322	366	403	435	575	616	745	1,017

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**S&E articles in natural resources and conservation, whole count, by region, country, or economy: 1996–2020**

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Timor-Leste	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	1	2	2	4	4	1
Turkmenistan	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	2	2	0	4	0	0	0	1	0	3
Uzbekistan	0	2	2	0	1	1	1	5	1	7	3	12	5	7	2	21	4	4	8	3	7	3	12	125	164
Vietnam	6	9	11	11	15	11	20	12	22	23	32	52	42	76	75	88	82	115	125	143	211	265	372	539	960
Australia and Oceania	567	588	712	769	730	739	755	878	930	931	1,082	1,112	1,166	1,284	1,296	1,429	1,581	1,824	1,952	2,149	2,456	2,625	3,065	3,585	3,851
Australia	448	442	536	556	594	548	595	688	748	738	876	912	969	1,060	1,114	1,192	1,345	1,580	1,701	1,915	2,169	2,308	2,704	3,136	3,450
Cook Islands	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	0	0	0	0
Fiji	2	4	4	3	0	2	5	0	1	3	2	5	5	4	8	5	8	4	16	13	22	31	25	32	42
Kiribati	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1
Marshall Islands	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	3
Micronesia, Federated States of	0	0	1	0	0	0	0	0	2	1	0	0	0	1	2	0	1	3	1	1	0	2	4	1	2
Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	123	157	173	217	153	200	165	207	211	213	229	228	214	252	205	260	264	278	276	277	320	350	420	503	467
Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Palau	0	0	2	0	0	0	0	0	0	0	2	1	0	1	1	0	0	0	2	1	0	1	1	2	5
Samoa	1	0	1	3	0	1	2	0	0	0	3	1	0	0	2	0	0	1	2	0	0	0	3	7	5
Solomon Islands	0	4	4	7	1	0	1	1	0	0	1	0	0	1	2	2	0	6	5	8	8	11	7	14	7
Tonga	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	3	3	5	3	6
Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Vanuatu	1	0	0	2	1	0	1	1	1	1	0	0	0	2	2	1	8	2	3	4	4	4	2	3	5
Unassigned	186	158	172	249	157	148	163	270	258	282	281	312	236	224	196	232	143	145	145	78	119	124	153	279	286

EU = European Union; UK = United Kingdom.

<sup>a</sup> The UK was a part of the EU for data purposes from 1973 to 2019.<sup>b</sup> Beginning in 2020, the UK was no longer a member of the EU.<sup>c</sup> Beginning in 2006, Serbia and Montenegro represented individual countries.<sup>d</sup> Serbia and Montenegro represented a single country for data purposes from 1992 to 2006.<sup>e</sup> West Bank and Gaza Strip are separate entities in this list but are grouped in the World Bank Lending Groups classification list. Here, the economic status of the group is applied to both individual regions.

**Note(s):**

Article counts refer to publications from selected journals and conference papers in S&E from Scopus. Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of author(s) listed in the article. Articles are credited on a whole count basis. In whole counting, each region, country, or economy with a collaborating author on an article is credited with one count. The sum of the whole count for regions, countries, or economies does not add to the world total because of multiple counts of coauthored publications. Some publications have incomplete address information for coauthored publications in the Scopus database. The Unassigned category count is the sum of whole counts for publications that cannot be assigned to a region, country, or economy.

**Source(s):**

National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed May 2021.

*Science and Engineering Indicators*