

TABLE SSA-13

S&E articles in natural resources and conservation, by region, country, or economy: 2000–18

(Number)

Region, country, or economy	Economies by income status	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		
		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count			
World		14702.00	14,702	15630.00	15,630	16356.00	16,356	17516.00	17,516	18965.00	18,965	20780.00	20,780	23188.00	23,188	25100.00	25,100	26718.00	26,718	29466.00	29,466	29807.00	29,807	33406.00	33,406	33309.00	33,309	37314.00	37,314	40331.00	40,331	41707.00	41,707	48824.00	48,824	53147.00	53,147	61733.00	61,733	
North America		5791.37	6,220	5160.00	5,550	5627.33	6,102	5666.57	6,291	6521.16	7,230	7182.24	8,034	6653.74	7,546	6995.86	7,985	7122.97	8,111	7401.34	8,537	6989.86	8,189	7853.11	9,195	7010.30	8,395	7189.14	8,804	7517.93	9,346	7535.53	9,558	8029.20	10,512	8741.55	11,497	8543.30	11,950	
Canada	High	1128.31	1,317	1029.54	1,183	1076.86	1,280	1123.17	1,408	1190.91	1,502	1488.15	1,874	1328.52	1,697	1345.53	1,739	1323.13	1,728	1328.19	1,762	1291.74	1,760	1338.23	1,832	1375.92	1,887	1431.97	1,897	1371.52	1,970	1359.11	1,897	1510.99	2,282	1565.28	2,393	1671.59	2,625	
Greenland	High	4.17	9	1.20	3	3.75	7	1.04	4	2.63	7	3.68	12	3.10	9	2.40	12	2.97	11	1.33	5	1.13	4	1.61	12	1.16	6	3.09	11	2.75	10	1.36	10	2.47	10	1.60	10	2.17	11	
Mexico	Upper-middle	79.55	105	108.05	139	122.99	158	167.57	201	192.72	225	185.50	232	206.75	257	244.70	312	255.35	323	264.11	330	316.59	376	360.03	443	359.14	449	423.10	542	512.96	628	474.60	604	638.04	794	664.79	876			
United States	High	4579.35	5,002	4021.21	4,421	4423.73	4,892	4374.79	5,003	5134.91	5,847	5504.91	6,336	5115.37	5,976	5403.24	6,316	5531.51	6,420	5807.71	6,838	5380.40	6,460	6153.24	7,351	5274.07	6,498	5403.83	6,825	5705.75	7,307	5589.24	7,382	6041.14	8,189	6536.63	8,919	6204.74	9,174	
Central America and Caribbean		30.45	46	46.73	63	29.75	50	38.05	72	40.90	66	41.20	74	38.64	67	54.60	99	49.94	84	62.88	117	53.08	107	62.43	120	67.39	137	57.34	128	76.05	152	51.36	115	61.29	136	93.43	178	83.72	192	
Antigua and Barbuda	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.50	1	
Bahamas, The	High	0.00	0	0.00	0	0.00	0	0.00	0	0.33	1	0.25	1	0.37	1	0.23	2	0.99	3	0.77	2	1.33	3	0.00	0	0.91	4	1.31	5	1.18	2	2.55	8	0.71	3	3.47	8			
Barbados	High	1.67	2	4.42	5	1.00	1	1.60	2	2.32	4	1.83	4	1.00	1	2.79	4	0.83	2	2.25	5	0.75	2	1.36	3	4.48	7	3.12	6	1.50	2	2.67	6	0.10	1	7.11	15	1.93	7	
Belize	Upper-middle	0.00	0	0.00	0	0.00	0	0.51	2	0.94	3	2.65	4	0.33	1	0.31	2	0.00	0	0.50	1	0.40	1	0.00	0	0.25	1	1.21	4	0.79	4	0.75	2	1.50	5	0.85	3			
Costa Rica	Upper-middle	13.11	18	24.18	34	7.32	14	12.63	20	11.18	21	9.04	18	4.97	9	13.95	28	11.83	19	13.84	28	14.11	26	13.98	25	13.66	25	18.10	35	25.71	45	16.30	34	20.71	39	30.14	51	24.05	51	
Cuba	Upper-middle	1.60	3	2.00	2	3.54	5	4.29	8	3.21	5	7.49	10	7.76	14	10.60	18	9.39	12	10.94	20	18.69	30	17.09	31	15.38	28	15.81	30	14.29	27	7.63	18	14.04	31	16.73	30	12.63	31	
Dominica	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.58	1	0.00	0	0.07	1	0.00	0	0.00	0			
Dominican Republic	Upper-middle	0.00	0	0.00	0	0.00	0	1.00	1	0.00	0	0.00	0	0.00	0	0.33	1	0.00	0	0.00	0	0.00	0	0.00	0	0.83	1	0.50	1	0.69	3	1.00	0.99	3	1.00	1	0.35	2	2.00	4
El Salvador	Lower-middle	0.00	0	0.00	0	0.20	1	0.00	0	0.14	1	0.00	0	0.00	0	0.06	1	0.00	0	0.00	0	0.00	0	0.00	0	0.60	1	0.29	1	0.83	1	0.47	4	0.33	1	1.47	2	0.09	1	
Grenada	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.50	1	0.17	1	0.00	0	0.17	1	0.00	0	0.42	2	0.30	2	0.00	0	1.72	5	0.40	1	1.16	7	1.38	5	
Guatemala	Upper-middle	0.00	0	0.20	1	0.00	0	0.00	0	0.31	2	0.10	3	0.67	1	0.90	4	0.79	3	0.40	1	1.21	4	0.50	2	2.57	7	1.13	3	0.30	4	0.75	4	0.33	3	0.66	3			
Haiti	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	2	0.00	0	1.00	3	0.00	0	0.10	1	0.00	0	0.00	0	1.02	3	1.00	1	0.00	0	0.00	0	0.50	2	
Honduras	Lower-middle	1.83	3	0.00	0	0.00	0	1.05	3	1.98	5	0.71	3	0.45	2	1.31	5	0.75	2	0.33	2	0.49	3	1.49	5	1.17	3	0.25	1	0.35	2	0.10	3	0.29	1	1.10	3			
Jamaica	Upper-middle	1.33	2	3.75	4	4.08	6	5.13	8	2.20	3	3.00	3	1.60	2	1.00	3	2.83	3	3.38	5	2.00	3	1.96	4	2.85	4	1.96	4	4.47	8	1.80	5	2.49	5	4.14	9			
Nicaragua	Lower-middle	0.50	1	0.67	2	0.43	1	1.53	5	0.48	3	1.58	3	4.63	10	1.38	4	0.50	2	2.16	6	1.84	9	2.46	5	1.65	6	1.16	4	1.27	5	1.29	6	0.85	2	0.16	3	0.30	3	
Panama	High	0.50	1	0.25	1	0.77	3	1.88	8	1.82	3	2.28	6	2.04	4	0.39	2	1.42	7	3.86	9	2.62	7	7.53	20	4.49	12	3.37	12	2.90	13	2.93	11	3.14	12	5.41	17	2.73	18	
Puerto Rico	High	7.08	12	6.52	10	8.41	15	6.76	14	9.17	14	6.05	13	8.48	16	11.37	20	10.53	22	16.95	30	7.98	21	12.20	19	12.68	27	5.79	18	13.98	32	5.26	16	8.94	18	15.57	29	12.49	31	
Saint Kitts and Nevis	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.40	4	0.89	2	0.64	2	0.51	2	0.00	0	0.27	2	
Saint Lucia	Upper-middle	0.00	0	0.00	0	1.00	1	0.00	0	0.00	0	0.10	1	1.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.10	1	0.20	1	0.00	0	0.20	1			
Saint Vincent and the Grenadines	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.13	1	0.00	0	0.25	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0			
Trinidad and Tobago	High	2.83	4	4.75	6	3.00	4	1.67	3	6.83	8	6.11	8	5.33	6	8.62	13	9.92	13	6.40	8	1.33	4	1.53	4	6.79	11	4.67	7	3.62	5	7.36	13	9.37	13	14.45	21			
South America		261.26	325	295.01	366	410.65	492	320.04	401	398.94	503	419.02	555	695.86	850	899.56	1,067	894.78	1,064	1123.42	1,344	1139.90	1,330	1341.88	1,555	1551.40	1,801	1796.70	2,104	2045.14	2,411	2108.02	2,518	2511.99	3,077	2728.40	3,274	3063.78	3,752	
Argentina	High	44.11	51	44.63	55	53.40	67	57.05	66	63.27	77	68.04	91	102.68	128	108.44	135	119.53	148	128.50	160	125.46	164	148.19	177	164.88	210	186.96	244	292.59	358	177.61	218	243.07	316	226.92	294	278.61	356	
Bolivia	Lower-middle	7.47	9	2.25	3	3.93	8	2.10	5	2.58	6	2.28	6	5.46	11	4.37	10	4.69	11	5.26	12	5.12	11	2.82	8	8.39	20	5.87	15	4.84	11	7.88	25	4.34	12	5.69	18			
Brazil	Upper-middle	144.81	186	176.80																																				

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		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count		
Ecuador	Upper-middle	5.00	7	5.58	8	4.17	7	4.24	7	3.27	7	2.84	6	1.52	4	6.60	11	5.08	9	2.58	10	2.06	9	4.28	12	2.83	10	7.07	22	8.94	28	23.06	53	38.71	84	38.50	92	67.40	128
Guyana	Upper-middle	1.50	2	1.00	1	1.03	2	0.00	0	0.25	1	0.33	1	0.29	2	0.25	1	0.50	1	0.20	1	0.58	2	0.67	2	0.33	1	1.33	2	0.50	2	0.33	1	0.38	2	0.17	1		
Paraguay	Upper-middle	0.87	2	0.00	0	0.00	0	0.00	0	0.14	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.33	1	0.67	2	0.84	4	0.00	0	1.16	5	0.00	0	2.60	6	1.78	7	2.27	6
Peru	Upper-middle	2.60	3	6.83	11	8.56	13	2.17	5	4.58	10	4.12	10	3.77	12	4.95	12	6.94	17	6.71	18	5.93	17	11.31	27	7.19	23	9.06	33	16.16	46	18.71	56	15.83	48	32.93	63	43.47	92
Suriname	Upper-middle	1.00	1	0.33	1	0.50	1	0.00	0	0.00	0	0.50	1	1.50	2	0.75	1	0.00	0	0.25	1	0.00	0	1.62	4	0.00	0	0.00	0	0.00	0	0.13	1	0.81	3	0.25	1		
Uruguay	High	3.00	3	1.83	4	1.67	4	4.75	6	5.89	10	10.96	14	5.22	9	4.10	9	8.44	17	14.06	26	6.21	11	7.94	12	17.07	26	10.74	18	12.92	25	14.11	29	24.50	45	17.37	32	24.09	38
Venezuela	Upper-middle	8.70	14	11.35	15	16.95	19	13.13	18	13.34	19	19.05	30	22.98	34	8.10	14	17.88	28	21.69	29	8.80	13	11.71	22	12.78	18	18.54	29	9.94	21	13.72	20	18.87	29	17.35	36	13.40	35
Europe		4808.87	5,223	5218.54	5,640	5388.80	5,859	6064.55	6,668	6297.67	6,972	6491.19	7,280	7905.26	8,767	8275.75	9,150	8840.92	9,737	9478.91	10,531	9604.11	10,718	10600.72	11,883	11079.96	12,473	11934.06	13,509	12909.24	14,684	12985.22	14,976	15215.61	17,662	16117.74	18,876	18439.88	21,978
EU		4291.44	4,717	4584.23	5,041	4681.86	5,184	5212.99	5,862	5433.85	6,141	5581.21	6,410	6649.42	7,550	6925.55	7,848	7443.66	8,400	7929.33	9,046	8010.47	9,194	9274.57	10,166	9274.57	10,745	10040.26	11,712	10892.29	12,776	10902.72	13,005	12981.33	15,577	13418.08	16,291	15178.42	18,864
Austria	High	68.44	90	82.37	117	70.41	108	81.83	126	87.48	126	103.70	165	120.31	201	162.30	254	149.00	235	156.05	265	159.32	254	164.77	259	181.00	297	199.40	337	205.47	367	227.34	384	234.51	464	255.47	474	308.74	578
Belgium	High	106.53	141	124.87	171	124.83	174	160.89	220	177.71	248	180.54	248	172.08	257	218.26	313	182.20	259	198.89	303	211.78	338	217.61	331	221.76	355	251.57	394	250.69	423	259.88	441	300.06	552	261.01	529	299.63	599
Bulgaria	Upper-middle	18.23	23	15.40	21	5.77	10	17.85	26	18.02	27	11.58	18	16.77	26	27.78	40	15.90	27	33.48	54	31.94	51	37.14	53	31.94	51	37.14	54	35.75	56	46.01	75	48.39	86	44.45	69		
Croatia	High	34.48	38	30.16	34	21.54	27	33.70	36	48.33	52	65.33	78	146.82	160	123.75	141	128.71	148	134.56	154	101.47	120	184.37	214	150.18	181	121.65	156	95.03	124	112.24	146	130.66	182	144.24	193	143.83	218
Cyprus	High	0.00	0	3.00	3	2.50	3	5.36	9	5.41	9	3.38	5	2.12	4	5.45	7	11.48	17	17.09	30	7.28	21	7.85	17	7.59	15	14.46	34	21.98	40	15.06	37	26.23	44	17.51	34	31.10	59
Czechia	High	31.04	38	71.74	86	70.89	87	115.00	141	141.88	168	116.34	146	150.46	181	173.87	209	181.25	225	255.32	310	305.78	366	302.74	363	296.54	368	295.76	380	372.26	483	396.47	522	476.76	638	534.77	726	555.26	791
Denmark	High	161.37	210	160.54	214	129.02	193	145.23	199	167.81	251	156.60	234	185.98	282	198.51	296	204.80	307	218.21	353	214.03	336	225.63	374	231.03	378	239.98	422	289.45	529	291.90	514	331.68	646	359.70	695	383.70	782
Estonia	High	11.37	17	17.91	22	13.03	16	26.49	33	27.91	37	36.01	51	61.08	71	56.72	69	50.11	60	70.52	79	56.49	79	75.19	92	54.86	70	57.72	73	50.22	70	60.97	88	60.45	100	72.09	109	40.95	86
Finland	High	328.78	370	323.75	370	338.36	383	341.88	416	410.96	488	390.82	475	385.41	472	380.83	483	358.79	441	370.59	473	420.78	533	391.95	496	401.04	536	387.47	520	412.86	564	408.59	546	441.56	644	449.67	669	479.68	733
France	High	406.98	496	386.61	486	452.07	565	464.23	622	490.58	664	475.46	683	614.43	832	569.77	798	690.88	931	713.86	1,008	591.46	878	722.21	1,058	713.24	1,068	833.33	1,244	955.45	1,458	848.80	1,350	1067.64	1,703	950.47	1,621	1124.40	1,918
Germany	High	559.30	693	590.13	721	632.14	815	617.85	818	581.11	813	691.28	980	689.20	969	779.49	1,095	795.79	1,118	829.01	1,207	781.85	1,183	978.82	1,412	951.27	1,412	1032.10	1,565	1031.94	1,625	1083.37	1,763	1239.26	2,040	1381.01	2,245	1412.35	2,448
Greece	High	111.76	135	156.75	192	158.02	181	176.65	219	235.19	274	176.53	210	287.73	333	245.44	297	256.92	303	316.51	375	294.57	356	280.78	361	318.33	384	340.07	436	333.24	424	302.74	415	327.01	447	351.98	479	364.79	558
Hungary	High	17.45	23	24.47	31	31.39	43	24.52	38	22.32	30	27.18	47	44.36	65	35.11	55	34.40	55	88.27	127	64.61	100	69.81	92	98.13	136	105.88	143	100.84	135	96.40	142	112.21	179	119.51	184	129.16	198
Ireland	High	39.99	58	42.21	61	47.70	62	50.23	68	50.65	73	49.32	72	78.42	106	71.89	104	75.60	108	81.15	117	80.18	125	127.53	182	107.17	156	110.94	168	107.08	187	127.90	169	121.04	220	126.61	211	152.89	288
Italy	High	256.54	305	304.57	359	321.83	382	376.98	464	395.27	491	401.14	500	536.08	657	510.38	659	588.24	731	631.99	819	659.17	828	690.12	874	773.25	1,002	902.75	1,196	1102.46	1,472	1070.91	1,470	1321.14	1,846	1385.13	1,881	1619.37	2,280
Latvia	High	2.87	5	7.17	9	3.20	4	6.23	8	3.50	5	44.66	50	43.67	44	30.19	34	7.58	11	51.55	55	84.27	92	91.91	99	86.87	92	101.24	115	77.18	83	118.68	138	123.31	148	153.74	175	123.77	145
Lithuania	High	3.12	7	13.14	14	8.45	11	11.91	15	13.88	20	31.48	39	49.50	58	64.96	77	39.04	49	40.53	55	59.39	71	69.49	78	67.78	83	55.65	65	80.15	95	81.09	106	106.49	147	80.73	118	106.31	152
Luxembourg	High	0.00	0	1.00	1	0.29	1	0.20	1	2.58	5	2.18	6	1.13	2	3.53	5	3.28	5	9.92	17	6.53	14	8.17	11	13.21	26	14.91	22	10.33	21	14.01	24	10.33	21	11.75	40		
Malta	High	2.13	3	1.10	2	4.17	5	4.79	7	2.00	3	0.13	1	1.00	1	0.13	2	1.50	2	0.14	1	5.44	9	2.78	6	2.35	4	2.42	6	6.45	14	4.47	7	7.23	13	6.15	16		
Netherlands	High	206.34	278	208.35	279	236.64	310	198.82	286	213.87	317	231.40	337	285.14	407	290.04	449	314.07	467	331.90	525	329.87	531	328.24	542	341.30	612	395.95	695	468.80	816	425.17	739	546.52	996	507.15	986	625.57	1,212
Poland	High	192.39	215	183.86	196	259.48	289	269.90	296	288.63	329	278.77	320	325.68	381	351.88	405	428.37	476	514.04	586	502.80	589	576.71	656	643.08	722	818.28	903	892.87	987	960.88	1,060	1328.55	1,468	1578.58	1,751	1953.08	2,162
Portugal	High	75.63	97	96.71	128	108.33	136	129.02	167	142.18	187	150.03	194	199.59	251	243.85	317	310.24	399	295.93	376	317.41	411	362.43	468	345.30	465	491.65	548	459.30	627	491.85	668	512.82	755	525.15	757	615.79	939
Romania	Upper-middle	11.67	14	9.30	14	9.15	22	9.02	16	7.30	23	8.82	20	20.24	36	29.17	44	69.20	88	119.13	150	174.14	196	148.86	185	180.50	209	190.41	228	161.92	203	197.50	254	158.36	226	187.57	260	206.45	285
Slovakia	High	18.22	24	49.02	53	37.20	47	39.61	51	28.79	42	39.09	47	49.66	62	77.75	94	124.74	140	104																			

TABLE SSA-13

S&E articles in natural resources and conservation, by region, country, or economy: 2000–18

(Number)

Region, country, or economy	Economies by income status	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018	
		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count		
Spain	High	322.42	371	390.41	448	385.46	461	449.89	543	510.51	620	493.03	625	655.48	800	710.19	874	881.18	1,088	855.35	1,056	969.34	1,217	1,006.48	1,308	1212.37	1,563	1191.49	1,577	1307.22	1,732	1277.50	1,756	1523.89	2,173	1538.97	2,212	1832.60	2,688
Sweden	High	394.74	471	383.49	449	351.21	426	459.73	576	462.32	587	454.03	587	500.24	622	455.96	599	473.53	623	424.47	594	450.18	637	475.53	691	551.06	809	566.05	818	611.89	909	595.44	912	659.02	1,093	658.95	1,074	701.77	1,216
United Kingdom	High	886.45	1,086	894.61	1,101	830.74	1,062	974.38	1,284	876.99	1,176	927.41	1,230	978.63	1,340	1031.55	1,421	996.22	1,381	994.04	1,446	955.48	1,417	1052.48	1,563	1044.29	1,616	1080.46	1,705	1147.61	1,945	1141.54	1,941	1411.54	2,480	1400.65	2,467	1599.60	3,032
Other Europe		517.42	662	634.31	783	706.94	866	851.56	1,078	863.83	1,140	909.98	1,192	1255.83	1,563	1350.20	1,689	1397.26	1,773	1549.57	1,993	1593.64	2,044	1784.04	2,259	1805.39	2,365	1893.80	2,508	2016.95	2,663	2082.50	2,798	2234.27	3,120	2699.66	3,634	3261.45	4,396
Albania	Upper-middle	1.50	2	0.50	1	0.00	0	0.48	2	0.27	2	0.50	1	0.33	1	1.00	1	1.67	3	4.40	5	4.20	7	13.92	18	10.00	17	8.60	11	9.97	16	4.53	10	7.01	13	4.91	10	4.87	16
Andorra	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.50	1	0.70	2	0.50	1	0.00	0	0.00	0	0.00	0	0.00	0
Belarus	Upper-middle	1.77	3	3.70	7	4.96	9	5.19	9	2.83	9	2.32	4	2.00	2	8.45	11	2.20	3	4.15	9	1.98	8	3.19	6	9.62	14	3.02	7	4.62	6	7.37	13	4.92	9	10.85	22	15.54	35
Bosnia and Herzegovina	Upper-middle	0.50	1	1.50	2	0.00	0	0.00	0	0.25	1	0.60	1	4.42	5	4.61	8	5.43	11	6.14	9	6.82	11	9.90	23	5.85	11	8.87	17	8.19	16	10.21	21	13.43	25	15.80	35	22.42	44
Holy See (Vatican City)	na	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Iceland	High	14.94	26	13.92	21	19.01	26	19.88	33	13.39	26	18.18	27	25.41	42	13.41	33	17.52	34	20.52	41	31.94	52	23.83	41	36.68	68	24.80	56	32.48	57	31.49	60	26.50	59	29.40	52	40.78	74
Kosovo	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.10	4	2.17	4	1.00	1	3.80	7	5.53	7	4.68	8	6.31	7	5.29	14	5.10	15	11.13	16	8.09	16
Liechtenstein	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.33	1	0.00	0	0.00	0	0.00	0	3.80	4	0.00	0	0.75	1	1.00	1	1.00	1	0.90	2	0.40	1	0.75	1
Moldova	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.50	1	0.43	1	1.67	2	2.13	3	0.00	0	0.63	2	0.00	0	2.33	3	3.88	5	9.30	12	3.58	5	0.57	2	1.60	3	3.78	8	3.37	8
Monaco	High	1.00	1	1.67	3	0.77	3	1.56	2	2.23	5	2.59	8	4.70	11	1.75	5	2.64	8	4.53	9	2.55	4	2.17	7	2.87	7	3.59	9	0.79	5	4.64	10	5.19	14	6.29	14	10.22	19
Montenegro ^a	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.21	4	0.33	1	2.00	2	2.45	4	3.90	6	1.90	4	6.64	10	2.32	6	2.07	6	4.90	12	6.28	12	6.99	16
North Macedonia	Upper-middle	0.00	0	1.00	1	0.00	0	0.33	1	1.00	1	2.67	5	4.75	7	2.00	3	2.00	4	6.50	13	4.71	10	6.75	14	6.45	12	13.75	25	9.79	17	11.66	21	10.08	24	9.60	23	7.55	20
Norway	High	234.00	306	265.96	336	281.55	348	303.75	406	288.89	388	261.06	386	372.43	506	343.54	479	334.37	504	327.63	491	342.71	538	413.92	612	409.23	649	452.42	711	422.41	674	376.33	640	407.56	734	457.93	807	474.47	859
Russia	Upper-middle	69.13	99	96.76	128	101.24	134	87.53	133	54.84	106	84.88	133	157.40	205	202.86	261	161.19	215	158.43	218	188.03	232	226.52	279	184.56	242	188.78	241	337.83	409	260.77	333	375.36	480	681.32	799	1111.18	1,298
San Marino	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Serbia ^a	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.52	39	44.60	49	55.78	63	73.38	91	86.30	102	125.39	141	129.56	155	120.83	145	158.69	194	185.68	234	157.62	207	141.25	193
Serbia and Montenegro ^b	Lower-middle	6.02	7	11.41	15	8.58	11	12.96	18	18.55	22	19.04	25	28.63	36	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Switzerland	High	100.95	138	120.29	160	126.50	180	147.25	209	138.62	210	179.79	258	201.22	291	215.73	329	216.12	328	264.23	429	216.06	367	273.39	419	303.51	499	332.47	548	367.80	619	355.54	629	378.82	717	381.12	709	439.35	842
Turkey	Upper-middle	78.44	86	108.79	118	155.00	168	259.11	283	330.81	374	321.95	354	437.91	470	489.08	516	583.73	615	651.13	692	702.40	759	643.63	699	659.76	724	660.66	724	647.93	709	819.02	911	777.10	892	883.64	1,005	844.69	983
Ukraine	Lower-middle	9.17	14	8.82	18	9.34	16	13.51	23	11.65	28	15.97	24	14.96	21	31.59	41	23.36	36	41.35	58	15.40	26	70.50	94	39.66	63	45.20	69	41.61	64	33.32	54	30.13	66	39.59	75	129.93	179
Middle East		133.62	160	155.69	180	163.75	200	196.34	249	217.10	272	236.62	298	356.06	432	430.01	529	486.00	582	553.43	669	663.47	792	819.68	1,039	912.96	1,137	1057.25	1,315	1122.96	1,419	1185.62	1,558	1374.14	1,803	1661.84	2,215	1949.34	2,629
Armenia	Upper-middle	0.00	0	0.00	0	0.50	1	0.83	2	1.00	1	0.83	2	1.25	3	6.30	8	2.00	2	1.21	3	2.83	4	4.67	5	12.96	16	3.00	3	1.00	1	1.00	1	2.67	4	3.56	5	5.87	9
Azerbaijan	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.56	3	3.63	4	4.50	5	2.81	5	1.00	1	3.58	5	2.50	3	1.67	2	5.87	9	1.33	4	2.06	4	3.23	6	6.15	11	5.91	14
Bahrain	High	0.33	1	2.00	2	2.00	2	0.81	2	2.75	4	1.00	1	0.17	1	0.83	2	0.13	1	3.77	6	0.00	0	0.00	0	0.00	0	1.50	2	5.82	9	2.83	5	11.12	14	6.75	9		
Gaza Strip ^c	Lower-middle	0.00	0	0.50	1	1.00	1	1.50	2	0.20	1	1.50	2	3.00	3	0.00	0	2.00	2	3.00	3	0.73	2	3.67	5	0.00	0	3.13	5	3.33	6	0.67	2	2.22	5	5.27	8	4.17	6
Georgia	Lower-middle	1.00	1	0.00	0	2.30	3	1.83	3	0.04	1	0.25	1	4.00	5	6.49	8	1.06	2	2.24	4	1.00	1	2.00	3	7.40	8	10.48	17	2.40	4	4.33	5	2.16	3	8.21	12	7.99	16
Iran	Upper-middle	9.67	11	15.00	17	19.70	24	43.75	49	65.88	75	83.88	98	137.40	154	209.47	247	265																					

TABLE SSA-13

S&E articles in natural resources and conservation, by region, country, or economy: 2000–18

(Number)

Region, country, or economy	Economies by income status	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018	
		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count		
Kuwait	High	19.83	22	21.08	24	17.37	22	26.45	30	26.63	31	14.22	18	18.32	24	20.62	24	27.64	32	21.56	28	14.67	18	25.80	36	31.35	35	21.46	26	19.31	27	11.93	18	15.53	23	22.04	40	25.43	39
Lebanon	Upper-middle	4.89	8	12.08	13	11.60	14	12.53	15	6.82	14	7.25	12	16.26	23	10.18	16	9.38	12	15.07	22	13.08	23	12.30	19	18.77	31	23.58	38	19.72	33	24.20	49	48.44	73	48.73	86		
Oman	High	4.12	7	6.37	9	5.06	7	6.64	9	10.72	12	7.54	9	10.19	14	8.28	11	10.12	15	10.98	21	13.13	20	13.96	22	14.09	21	22.20	31	19.12	31	21.61	42	20.45	43	27.63	45	23.95	43
Qatar	High	1.00	1	1.50	2	1.00	1	0.14	1	0.00	0	1.29	3	0.83	2	3.40	5	2.75	4	3.83	5	8.03	12	6.83	11	5.24	10	9.10	18	11.91	24	11.89	32	20.64	49	30.43	61	35.84	66
Saudi Arabia	High	14.50	19	10.88	13	17.00	18	15.96	21	13.87	19	13.50	15	13.30	17	22.24	31	30.18	40	40.87	55	48.21	73	76.76	154	77.31	165	83.73	166	100.25	202	132.01	279	155.42	322	185.44	398	172.04	384
Syria	Low	2.00	2	1.00	4	2.41	4	1.46	3	3.79	6	3.38	7	5.60	9	1.00	2	5.67	7	1.99	7	5.55	11	4.77	9	4.54	10	8.34	7	13.11	25	8.66	12	11.14	15	3.52	6	12.13	16
United Arab Emirates	High	5.92	7	5.75	7	6.07	8	13.53	20	5.18	7	9.96	15	12.26	19	11.47	18	11.25	17	18.13	29	19.53	25	19.77	35	14.49	29	34.27	51	26.29	41	46.49	71	38.93	59	60.42	96	58.17	97
West Bank ^c	Lower-middle	0.00	0	4.00	4	2.50	3	3.42	4	1.00	1	1.25	2	5.07	7	3.60	5	5.17	6	8.33	10	6.89	10	6.24	12	3.71	6	3.83	6	5.21	8	4.65	6	4.80	11	12.24	18	6.67	11
Yemen	Low	0.00	0	0.00	0	1.00	1	0.00	0	0.33	1	1.20	2	0.24	2	0.25	1	2.00	2	2.50	4	2.79	4	4.17	5	3.50	4	6.20	6	2.96	6	1.96	5	3.17	12	0.33	3	3.25	12
Africa		256.82	327	271.01	332	352.43	432	339.37	443	361.38	479	370.04	491	456.51	610	478.18	631	507.85	647	613.00	801	657.36	890	729.64	975	762.65	1,097	842.51	1,217	916.48	1,390	1009.50	1,513	1229.55	1,848	1528.39	2,246	1895.92	2,768
Algeria	Upper-middle	1.33	3	3.50	6	3.25	4	5.54	9	5.30	10	10.97	16	10.05	14	9.72	14	18.00	24	30.31	38	18.03	31	26.05	35	39.28	47	37.16	49	53.63	71	48.85	61	76.59	97	79.26	105	102.83	139
Angola	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.33	1	0.77	3	0.58	2	0.00	0	0.67	3	0.29	2	1.33	3	1.21	5	0.51	2	0.67	2	1.16	6
Benin	Low	0.00	0	2.14	5	1.65	4	2.10	3	1.40	2	1.33	2	4.21	8	3.79	7	2.50	6	3.17	6	4.63	9	7.01	8	4.61	8	7.27	14	4.78	12	5.25	11	7.16	12	8.24	17	6.50	23
Botswana	Upper-middle	3.08	5	2.00	2	2.00	2	1.33	3	1.00	1	7.83	10	4.25	9	6.50	9	4.67	8	4.60	10	4.85	10	5.19	12	8.83	15	2.56	6	4.44	10	6.18	8	6.40	14	5.86	9	9.20	19
Burkina Faso	Low	0.58	2	2.41	5	2.00	5	1.00	1	2.41	5	0.75	2	1.90	4	3.42	7	3.56	8	5.36	9	2.68	8	9.68	20	6.76	18	4.23	11	3.71	9	5.22	12	5.88	12	12.24	27	12.95	31
Burundi	Low	0.00	0	0.00	0	0.00	0	0.25	1	0.00	0	0.00	0	0.25	1	0.00	0	0.00	0	0.00	0	0.83	2	0.29	2	0.00	0	0.25	1	0.25	1	0.00	0	1.00	5	0.12	2		
Cabo Verde	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.17	1	0.00	0	0.00	0	0.33	1	0.00	0	0.39	2	0.00	0	1.22	6	1.12	5	0.95	5	0.33	1	0.33	2	0.00	0	0.07	1
Cameroon	Lower-middle	8.07	15	8.00	10	10.89	17	5.13	9	15.55	21	10.31	14	12.22	17	11.88	16	9.57	14	8.86	14	19.02	30	18.24	30	17.09	29	16.59	29	21.47	48	17.61	33	25.15	52	24.36	45	29.86	49
Central African Republic	Low	0.00	0	0.00	0	0.50	1	0.38	2	0.00	0	0.08	1	0.00	0	0.00	0	0.75	1	0.50	1	0.40	1	1.33	3	0.58	1	0.00	0	0.33	2	0.00	0	0.00	0	0.07	1	0.10	1
Chad	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.04	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.00	3	0.30	2
Comoros	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.17	0	0.00	0	0.00	0	0.67	0	0.00	0	0.00	0	0.50	1	0.50	3	0.00	0	0.00	0
Congo, Democratic Republic of the	Low	0.00	0	0.33	1	0.20	1	0.00	0	0.00	0	0.20	1	0.00	0	0.00	0	0.14	1	0.20	1	1.55	5	1.25	4	0.60	3	1.60	6	2.78	9	2.84	8	3.25	13	2.96	17	4.26	11
Congo, Republic of the	Lower-middle	0.87	2	0.33	1	1.56	6	1.65	4	0.73	2	2.49	6	1.64	3	0.25	1	0.62	2	1.28	3	0.93	6	2.96	4	1.18	5	1.25	4	1.86	9	2.07	4	1.98	6	3.20	7	3.17	11
Côte d'Ivoire	Lower-middle	1.67	5	1.18	3	3.28	8	1.18	2	0.00	0	0.75	2	4.25	8	5.36	7	6.14	8	8.88	14	3.68	6	4.18	6	4.94	7	2.03	4	5.71	8	8.55	15	5.95	11	7.30	11	6.43	16
Djibouti	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.20	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.47	2	0.17	1	0.17	1	0.00	0	0.25	1	0.38	2
Egypt	Lower-middle	42.10	49	50.20	61	60.16	73	51.94	62	60.72	72	58.59	77	51.71	72	72.30	90	74.52	90	73.92	99	103.71	143	95.65	137	102.83	153	162.09	232	171.37	253	177.77	265	227.62	349	246.19	385	409.11	593
Equatorial Guinea	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.27	3
Eritrea	Low	0.00	0	0.00	0	1.85	3	1.00	1	0.00	0	0.00	0	1.75	3	1.17	2	0.00	0	0.50	1	0.33	1	0.00	0	0.50	1	0.04	1	0.13	1	0.10	2	0.18	2	1.24	4	0.00	0
Eswatini	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	1.00	1	0.00	0	0.00	0	0.25	1	0.33	1	0.00	0	0.00	0	0.10	1	0.13	1	0.00	0	0.50	1	0.00	0	0.00	0	0.25	1	0.00	0
Ethiopia	Low	2.92	6	1.50	2	7.50	10	8.65	15	6.08	11	8.33	14	10.12	20	11.66	24	8.64	16	14.39	26	11.19	26	15.59	32	28.19	52	28.10	54	38.65	74	26.81	49	33.78	66	68.21	121	71.37	134
Gabon	Upper-middle	0.00	0	0.00	0	0.53	2	0.40	1	0.00	0	0.15	1	0.00	0	0.50	1	0.58	2	1.00	2	0.73	2	0.97	3	1.00	2	2.88	7	1.76	3	2.88	5	1.80	5	0.18	1	3.71	7
Gambia, The	Low	0.00	0	0.00	0	1.29	2	0.00	0	1.12	3	0.00	0	0.00	0	0.15	2	0.00	0	0.00	0	0.00	0	0.00	0	0.21	1	0.00	0	0.11	1	0.00	0	0.25	1	1.00	1	0.75	2
Ghana	Lower-middle	4.67	8	5.08	9																																		

TABLE SSA-13

S&E articles in natural resources and conservation, by region, country, or economy: 2000–18

(Number)

Region, country, or economy	Economies by income status	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018			
		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count		
Guinea-Bissau	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.17	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.08	1	0.25	1
Kenya	Lower-middle	17.81	28	11.86	18	19.90	34	20.28	33	21.23	35	17.03	33	21.67	40	16.17	30	17.24	26	25.40	46	23.25	50	40.66	77	29.00	62	28.88	69	48.03	113	30.42	79	47.25	92	61.39	133	56.05	123		
Lesotho	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.13	1	0.00	0	0.25	1	0.00	0	0.00	0	1.13	2	1.80	2	1.00	1	0.00	0	1.50	2	0.00	0	1.50	2	0.00	0		
Liberia	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.05	1	0.00	0	0.50	1	0.00	0	0.50	1	0.40	2	1.25	2
Libya	Upper-middle	1.83	3	1.00	1	2.00	2	1.00	1	2.00	2	2.66	4	3.47	4	1.45	3	5.08	6	5.00	5	2.83	4	3.67	4	1.00	1	4.57	10	4.13	12	2.73	6	4.87	11	3.68	10	4.41	14		
Madagascar	Low	0.25	1	0.00	0	0.17	2	0.50	3	1.42	4	0.00	0	0.92	3	1.25	2	1.66	3	2.74	6	1.14	4	3.67	4	2.24	4	1.96	5	1.76	6	4.10	12	4.87	11	4.13	11	2.06	6		
Malawi	Low	3.32	7	0.75	2	0.50	1	3.78	8	1.00	1	3.81	6	6.83	15	10.11	15	7.47	12	4.93	7	3.33	8	9.71	16	4.26	8	7.60	12	4.89	11	7.06	18	5.95	18	7.00	18	9.22	23		
Mali	Low	0.00	0	0.00	0	1.58	3	0.50	2	3.04	8	0.81	2	1.54	4	0.33	1	2.11	5	2.75	5	0.57	2	4.02	12	3.52	11	1.64	7	0.97	4	4.93	12	4.39	13	4.05	17				
Mauritania	Lower-middle	0.67	2	0.00	0	0.00	0	0.84	3	0.00	0	1.20	4	0.70	3	0.75	2	0.20	1	0.25	3	0.35	1	0.42	2	0.58	2	0.50	3	0.85	3	1.44	6	0.77	2	1.44	6	0.13	1		
Mauritius	Upper-middle	4.17	5	3.00	4	3.33	4	3.00	3	4.00	4	5.25	8	2.05	3	2.00	2	5.58	7	1.50	2	3.50	4	4.42	8	5.86	9	8.75	11	5.07	7	6.58	8	5.42	7	8.55	12	7.88	12		
Morocco	Lower-middle	10.56	14	17.30	22	8.75	16	11.83	17	8.42	15	8.99	16	13.66	22	14.67	23	19.58	29	15.34	23	8.67	16	16.32	27	24.08	42	28.73	47	18.99	36	32.50	58	36.81	66	48.41	74	105.08	145		
Mozambique	Low	0.50	1	0.90	1	0.00	0	2.42	4	1.50	2	0.33	1	1.60	5	0.00	0	0.88	4	4.23	10	1.88	4	2.97	8	4.51	13	2.46	10	3.02	7	6.06	15	3.25	14	8.34	20	5.61	19		
Namibia	Upper-middle	0.33	1	3.58	5	1.89	5	1.40	4	6.01	9	2.65	8	2.42	5	2.87	5	0.00	0	2.32	5	0.10	1	1.75	3	3.41	7	1.96	5	1.65	5	4.20	17	4.78	18	6.86	14	5.11	14		
Niger	Low	0.00	0	3.02	4	0.00	0	1.00	1	0.60	3	0.00	0	0.00	0	0.50	1	0.61	2	3.00	3	8.55	16	2.98	7	0.61	3	1.14	5	1.94	3	1.14	2	1.63	4	0.87	4	0.96	4		
Nigeria	Lower-middle	48.24	56	44.63	50	56.48	64	47.12	52	70.18	78	81.42	89	79.31	91	77.02	84	107.73	116	124.85	139	138.84	153	148.20	166	161.43	196	116.95	146	112.60	154	159.16	209	175.93	233	272.35	375	318.60	451		
Rwanda	Low	0.00	0	0.00	0	0.00	0	0.50	1	0.50	1	0.40	1	0.25	1	0.17	1	0.00	0	0.10	1	1.02	4	1.00	4	1.21	5	1.38	5	2.49	6	2.45	5	5.48	8	4.14	11	4.45	14		
São Tomé and Príncipe	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.04	1		
Senegal	Low	4.02	7	6.90	11	5.78	11	8.65	16	8.46	14	3.64	8	5.72	10	0.77	3	1.39	4	1.95	7	3.74	10	3.91	11	4.37	12	7.63	17	2.94	12	5.12	15	4.08	17	5.64	21	14.36	27		
Seychelles	High	0.37	2	0.33	1	0.25	1	1.33	2	1.00	1	0.00	0	1.70	3	3.57	10	0.92	5	0.00	0	0.96	3	0.97	3	2.45	5	2.68	7	4.14	10	0.98	5	2.53	8	1.57	7				
Sierra Leone	Low	0.67	1	0.14	1	0.00	0	0.00	0	0.00	0	0.25	1	0.00	0	0.00	0	0.00	0	0.00	0	0.75	2	0.00	0	0.00	0	1.88	3	1.37	3	0.13	2	1.31	3	1.24	3	0.33	1		
Somalia	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.54	2		
South Africa	Upper-middle	71.36	84	70.53	84	103.95	123	95.27	115	92.83	129	92.22	130	149.78	189	134.06	179	136.99	171	168.73	221	142.59	192	182.13	240	164.41	239	205.25	285	215.59	297	242.64	367	281.85	427	379.26	556	433.88	651		
South Sudan	Low	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.25	2		
Sudan	Lower-middle	2.00	2	1.00	1	0.00	0	1.63	3	1.00	1	1.39	3	1.33	2	1.80	2	2.48	6	3.96	5	2.66	6	8.33	10	7.39	13	4.13	6	3.18	7	6.20	15	6.13	14	4.71	16				
Tanzania+124:166	Low	9.84	13	6.15	8	16.64	21	14.41	22	13.00	20	16.42	25	18.50	28	12.20	24	6.43	10	11.06	19	15.36	32	12.71	19	15.12	28	10.61	23	18.40	39	13.75	36	22.17	47	27.31	59	16.99	54		
Togo	Low	0.00	0	0.33	1	0.42	2	0.00	0	0.38	1	0.00	0	0.30	1	0.00	0	0.36	2	0.00	0	0.33	1	1.23	3	1.57	3	0.00	0	1.92	3	1.36	3	1.25	2	0.75	1	1.61	6		
Tunisia	Lower-middle	3.08	4	7.50	9	4.33	5	7.45	11	13.06	18	14.05	22	12.47	17	35.06	41	34.65	49	45.60	56	59.19	79	51.58	77	62.00	90	82.70	118	78.24	117	100.12	154	112.95	174	98.52	151	108.14	167		
Uganda	Low	2.25	4	4.85	7	2.50	5	4.68	12	2.10	5	4.33	10	4.70	10	6.32	9	4.88	9	10.28	20	16.56	23	10.45	20	10.75	23	12.57	30	11.78	30	16.72	37	13.14	31	22.27	43	21.62	54		
Western Sahara	na	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0		
Zambia	Lower-middle	2.20	3	1.57	3	4.50	6	8.70	13	3.13	6	2.64	6	3.33	6	3.88	9	3.22	6	2.28	5	1.91	6	2.92	4	2.70	10	3.96	10	5.13	14	5.38	10	6.43	22	7.79	20	6.96	21		
Zimbabwe	Low	8.08	10	8.19	11	6.67	13	12.11	22	4.46	7	2.33	6	4.29	8	6.28	12	2.95	6	1.79	3	1.44	3	2.93	8	4.70	7	9.32	16	8.26	12	12.53	15	21.91	28	20.62	33	22.13	30		
Asia		2747.78	2,951	3814.45	4,051	3726.54	3,982	4069.80	4,415	4300.45	4,681	5208.01	5,640	6128.07	6,642	6999.26	7,585	7823.35	8,432	9167.63	9,864	9685.85	10,491	10902.66	11,818	10769.08	11,725	13147.48	14,215	14366.98	15,620	15459.99	16,874	18837.94	20,566	20710.68	22,711	26			

TABLE SSA-13

S&E articles in natural resources and conservation, by region, country, or economy: 2000–18

(Number)

Region, country, or economy	Economies by income status	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018			
		Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count	Fractional count	Whole count				
Marshall Islands	Upper-middle	0.00	0	0.00	0	0.00	0	0.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.20	1	0.17	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.06	2		
Micronesia, Federated States of	Lower-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.37	2	0.33	1	0.00	0	0.00	0	0.00	0	0.33	2	0.00	0	0.58	2	1.17	3	0.33	1	0.17	1	0.00	0	0.50	1	1.25	4				
Nauru	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0		
New Zealand	High	123.35	148	159.52	187	130.02	154	156.71	201	152.62	204	158.56	203	166.88	223	160.59	216	149.95	207	178.02	251	121.16	196	159.26	250	178.92	253	174.08	271	176.58	273	147.55	251	191.60	311	171.53	323	203.43	375		
Niue	na	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0		
Palau	High	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.48	2	0.33	1	0.00	0	0.10	1	1.00	1	0.00	0	0.00	0	1.00	1	0.50	1	0.00	0	0.25	1	0.11	1	0.11	1		
Samoa	Upper-middle	0.00	0	1.00	1	1.67	2	0.00	0	0.00	0	0.00	0	2.67	3	0.17	1	0.00	0	0.00	0	0.14	1	0.00	0	0.00	0	0.75	1	1.67	2	0.00	0	0.00	0	0.00	0	0.00	0	0.55	2
Solomon Islands	Lower-middle	0.75	1	0.00	0	0.75	1	0.17	1	0.00	0	0.00	0	1.00	1	0.00	0	0.00	0	0.33	1	1.25	2	0.98	2	0.00	0	1.49	6	1.89	5	1.75	7	1.91	8	2.40	9	1.29	6		
Tonga	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.17	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.23	2	0.75	3	0.93	3	1.11	4				
Tuvalu	Upper-middle	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.17	1	0.00	0	0.33	1				
Vanuatu	Lower-middle	0.50	1	0.00	0	0.23	1	0.50	1	0.67	1	0.11	1	0.00	0	0.00	0	0.00	0	0.40	2	1.17	2	0.25	1	1.81	8	0.71	3	0.53	4	0.99	4	0.52	3	0.52	3	0.52	3		
Unassigned	na	67.75	164	58.17	147	62.02	161	110.26	273	100.21	262	111.19	294	99.84	284	111.56	307	85.68	230	86.88	222	72.09	183	96.97	224	57.06	139	58.83	144	55.20	138	22.12	64	35.35	106	36.33	115	32.46	121		

na = not applicable; country data do not exist.

EU = European Union.

^a Beginning in 2006, Serbia and Montenegro represented individual countries.^b Serbia and Montenegro represented a single country for data purposes from 1992 to 2006. Its economic status is that of 2005.^c 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 either on a fractional- or whole-count basis. Fractional counts of articles are those produced by authors from different countries, where each country receives fractional credit on the basis of the proportion of its participating authors. For the fractional-count basis, the sum of the regions, countries, or economies may not add to the world total because of rounding. 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 fractional or whole counts for publications that cannot be assigned to a region, country, or economy. For more information on the 2019 World Bank Country and Lending Groups classification of income groups, see <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>, accessed June 2019.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation; Science-Matrix; Elsevier, Scopus abstract and citation database, accessed June 2019.