

## Supplementary material

### Trends in the ecological character of the world's wetlands

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**Table S1. Numbers of reports of wetland ecological-character trends of deterioration, no change and improvement used to calculate Ecological Character-Status Indices (ECSI)**

Numbers of reports in the national reports of national-scale trends in wetland ecological character (deterioration, no change or improvement) of the eleventh (COP11), twelfth (COP12) and thirteenth (COP13) Ramsar meetings of the Conference of the Contracting Parties and number of reports to COP12 only on individual Ramsar sites, used to calculate Ecological Character-Status Indices (ECSI)

Parameter	Deterioration	No change	Improvement	Total
<b>(1) National reports to Ramsar COP11</b>				
(submitted in 2011)				
Wetlands generally				
Africa	12	12	12	36
Asia	11	5	4	20
Europe	6	28	4	38
Latin America and the Caribbean	7	5	6	18
North America	1	1	1	3
Oceania	2	3	2	7
Global (all regions)	39	54	29	122
Ramsar Sites				
Africa	11	18	14	43
Asia	3	10	10	23
Europe	3	28	8	39
Latin America and the Caribbean	4	12	6	22
North America	0	2	1	3
Oceania	0	4	3	7
Global (all regions)	21	74	42	137
<b>(2) National reports to COP12</b>				
(submitted in 2014)				
Wetlands generally				
Africa	26	13	6	45
Asia	11	10	5	26
Europe	12	24	3	39
Latin America and the Caribbean	8	8	3	19
North America	2	1	0	3
Oceania	2	4	1	7
Global (all regions)	61	60	18	139
Ramsar Sites				
Africa	15	17	13	45
Asia	1	20	6	27
Europe	4	31	8	43
Latin America and the Caribbean	7	10	5	22
North America	0	2	1	3
Oceania	0	4	3	7
Global (all regions)	27	84	36	147
<b>(3) National reports to COP13</b>				
(submitted in 2017)				
Wetlands generally				
Africa	24	17	3	44
Asia	14	10	3	27
Europe	7	29	2	38
Latin America and the Caribbean	8	12	3	23
North America	1	1	1	3
Oceania	4	2	0	6
Global (all regions)	58	71	12	141
Ramsar Sites				
Africa	11	25	8	44
Asia	4	17	7	28

Parameter	Deterioration	No change	Improvement	Total
<i>Ramsar Sites (Cont.)</i>				
Europe	3	30	7	40
Latin America and the Caribbean	6	13	4	23
North America	0	3	0	3
Oceania	2	4	0	6
Global (all regions)	26	92	26	144
(4) National reports to COP12 Section 4 (individual Ramsar Sites)				
Africa	16	53	9	78
Africa	5	21	0	26
Asia	4	126	7	145
Europe	1	13	1	15
Latin America and the Caribbean	–	–	–	–
North America	3	59	6	68
Oceania	29	272	23	324

**Table S2. Numbers and areas of Ramsar Sites in each Contracting Party (as at June 2018)**

Contracting Party	Number of Ramsar Sites	Total area of Ramsar Sites (ha)	Average area of Ramsar Sites (ha)
<b>Africa</b>			
Algeria	50	2 991 013	59 820
Benin	4	1 179 354	294 839
Botswana	1	5 537 400	5 537 400
Burkina Faso	18	677 722	37 651
Burundi	4	78 515	19 629
Cameroon	7	827 060	118 151
Cape Verde	4	535	134
Central African Republic	2	376 300	188 150
Chad	6	12 405 068	2 067 511
Comoros	3	16 030	5343
Congo	13	13 758 741	1 058 365
Côte d'Ivoire	6	127 344	21 224
Democratic Republic of Congo	3	7 435 624	2 478 541
<b>Asia</b>			
Egypt	4	415 532	103 883
Gabon	9	2 818 469	313 163
Gambia	3	31 244	10 415
Ghana	6	176 134	29 356
Guinea	16	6 422 361	401 398
Guinea-Bissau	4	1 189 633.00	297 408
Kenya	6	265 449	44 242
Lesotho	1	434	434
Liberia	5	95 879	19 176
Madagascar	10	1 347 628	134 763
Malawi	1	224 800	224 800
Mali	4	4 204 640	1 051 160
Mauritania	4	1 240 600	310 150
Mauritius	3	401	134
Morocco	24	272 010	11 334
Mozambique	2	4 534 872	2 267 436
Namibia	5	676 564	135 313
Niger	12	4 317 869	359 822
Nigeria	11	1 076 728	97 884
Rwanda	1	6736	6736
Sao Tome and Principe	1	23	23
Senegal	5	99 993	19 999
Seychelles	3	44 025	14 675
South Sudan	1	2 489 600	2 489 600
Sudan	3	2 489 600	829 867
Swaziland	3	1183	394
Togo	4	1 210 400	302 600
Tunisia	41	840 363	20 497
Uganda	12	454 303	37 859
Tanzania	4	4 868 424	1 217 106
Zambia	8	4 030 500	503 813
Zimbabwe	7	453 828	64 833
<b>Asia</b>			
Bangladesh	2	611 200	305 600
Bhutan	3	1226	409
China	49	4 112 424	83 927
India	26	681 131	26 197
Indonesia	7	1 372 976	196 139
Iraq	4	537 900	134 475
Islamic Republic of Iran	24	1 486 438	61 935
Israel	2	366	183
Japan	50	148 002	2960

Contracting Party	Number of Ramsar Sites	Total area of Ramsar Sites (ha)	Average area of Ramsar Sites (ha)
<i>Asia (Cont.)</i>			
Kazakhstan	10	3 281 398	328 140
Kyrgyzstan	3	679 408	226 469
Laos	2	14 760	7380
Lebanon	4	1075	269
Malaysia	6	134 158	22 360
Mongolia	11	1 439 530	130 866
Myanmar	1	58 243	58 243
Nepal	10	60 561	6 056
Oman	1	107	107
Pakistan	19	1 343 627	70 717
Philippines	6	154 409	25 735
South Korea	22	19 164	871
Sri Lanka	6	198 172	33 029
Tajikistan	5	94 600	18 920
Thailand	14	399 714	28 551
Turkmenistan	1	267 124	267 124
United Arab Emirates	5	20 278	4056
Vietnam	8	117 813	14 727
<i>Europe</i>			
Albania	4	98 181	24 545
Andorra	3	6870	2290
Armenia	3	493 511	164 504
Austria	23	124 968	5433
Azerbaijan	2	99 560	49 780
Belarus	26	765 620	29 447
Belgium	9	46 944	5216
Bosnia and Herzegovina	3	56 779	18 926
Bulgaria	11	49 913	4538
Croatia	5	94 358	18 872
Cyprus	1	1107	1107
Denmark	43	2 315 395	53 846
Estonia	17	304 778	17 928
Finland	49	799 518	16 317
France	44	3 567 924	81 089
Georgia	2	34 480	17 240
Germany	34	868 226	25 536
Hungary	29	256 948	8860
Iceland	6	128 666	21 444
Italy	52	60 223	1158
Latvia	6	150 318	25 053
Liechtenstein	1	101	101
Lithuania	7	65 581	9369
Moldova	3	94 705	31 568
Monaco	1	23	23
Montenegro	2	20150	10 075
Netherlands	55	903 758	16 432
North Macedonia	2	21 616	10 808
Norway	63	889 452	14 118
Poland	13	145 075	11 160
Portugal	31	132 487	4274
Romania	19	1 156 448	60 866
Russian Federation	35	10 323 767	294 965
Serbia	10	63 919	6392
Slovakia	3	44 025	14 675
Slovenia	3	8205	2735
Spain	74	303 090	4096
Sweden	68	654 865	9630

Contracting Party	Number of Ramsar Sites	Total area of Ramsar Sites (ha)	Average area of Ramsar Sites (ha)
<i>Europe (Cont.)</i>			
Switzerland	11	14 688	1335
Turkey	14	184487	13 178
Ukraine	33	744 651	22 565
United Kingdom	174	1 281 989	7368
<i>Latin America &amp; the Caribbean</i>			
Antigua and Barbuda	1	3600	3600
Bahamas	1	32 600	32 600
Barbados	1	33	33
Bolivia	11	14 842 405	1 349 310
Brazil	13	7 260 873	558 529
Chile	13	361 761	27 828
Colombia	6	708 684	118 114
Costa Rica	12	569 742	47 479
Cuba	6	1 188 411	198 069
Dominican Republic	4	135 097	33 774
Ecuador	18	290 815	16 156
El Salvador	7	207 387	29 627
Grenada	1	518	518
Guatemala	7	628 592	89 799
Honduras	9	270 224	30 025
Jamaica	4	37 847	9462
Panama	5	183 992	36 798
Paraguay	6	785 970	130 995
Peru	13	6 784 042	521 849
Suriname	1	12 000	12 000
Trinidad and Tobago	3	15 919	5 306
Uruguay	3	435 837	145 279
<i>North America</i>			
Canada	37	13 086 767	353 696
Mexico	142	8 643 580	60 870
United States of	38	1 860 761	48 967
<i>America</i>			
<i>Oceania</i>			
Australia	65	8 319 663	127 995
Fiji	1	615	615
Kiribati	1	1033	1033
New Zealand	6	55 512	9252
Palau	1	500	500
Samoa	1	470	470