

Appendix 1: Search string to identify papers related to migratory connectivity in the ocean

This is the information returned from a search of the Web of Science database to understand the accumulation of information about marine migratory species since 1990.

Web of Science Search, conducted January 29, 2019

Results: 40,254

(from All Databases)

You searched for: TOPIC: ("marine" and "animal" and (telemetry or tag or isotop* or genetic* or mark or recapture) and (migrat* or connect* or move* or feed* or forag* or breed* or dispers* or nest* or aggregat* or ground* or site* or corridor or route* or track* or winter* or habitat*)) AND YEAR PUBLISHED: (1990-2019)*

Refined by: LANGUAGES: (ENGLISH)

Timespan: 1990-2019. Databases: WOS, BCI, CCC, DRCI, DIIDW, KJD, MEDLINE, RSCI, SCIELO, ZOOREC.

Appendix 2: Species List

MiCO aims to coalesce existing knowledge on connectivity and migratory corridors of marine migratory species that utilize areas beyond national jurisdiction. Numerous definitions of “migration” and “migratory species” exist, confusing efforts to develop a specific list of species to include within MiCO. Lascelles et al. (2014) assessed the current status and management needs of over 800 migratory marine species across the same four taxonomic groups as MiCO. They define migratory species as animals that move between “at least two jurisdictions during the course of their annual cycles,” with specific species selected by expert groups. The list of species to be evaluated by MiCO was assembled from several sources: including Lascelles et al. (2014) (n = 829), the CMS Migratory Shark Species (n = 94), fish species managed by Regional Fisheries Management Organization (RFMO; n = 40), seabirds of the Migratory Bird Treaty Act (n = 171), and BirdLife International (n = 280). The initial 892 species to be evaluated by the MiCO system includes 440 fish, 346 seabird, 99 marine mammal, and 7 sea turtle species.

			CMS Appendix (as of Aug 7 2018)	IUCN Red List Status
Family	Scientific Name	Common Name		
1	Acipenseridae	Acipenser brevirostrum		VU
2	Acipenseridae	Acipenser medirostris	II	NT
3	Acipenseridae	Acipenser oxyrinchus		NT
4	Acipenseridae	Acipenser sinensis	II	CR
5	Acipenseridae	Acipenser stellatus	II	CR
6	Acipenseridae	Acipenser sturio	I/II	CR
7	Aetobatidae	Aetobatus flagellum		EN
8	Aetobatidae	Aetobatus narinari		NT
9	Alopiidae	Alopias pelagicus	II	VU
10	Alopiidae	Alopias superciliosus	II	VU
11	Alopiidae	Alopias vulpinus	II	VU
12	Anguillidae	Anguilla anguilla	II	CR
13	Anguillidae	Anguilla bengalensis		NT
14	Anguillidae	Anguilla bicolor		NT
15	Anguillidae	Anguilla marmorata		LC
16	Anguillidae	Anguilla nebulosa		NA
17	Belonidae	Platybelone argalus		LC
18	Belonidae	Strongylura exilis		LC
19	Belonidae	Strongylura marina		LC
20	Belonidae	Strongylura scapularis		LC
21	Belonidae	Tylosurus pacificus		LC
22	Bramidae	Brama dussumieri		LC
23	Bramidae	Pteraclis aesticola		LC
24	Carangidae	Alectis ciliaris		LC
25	Carangidae	Alepes vari		LC
26	Carangidae	Carangoides otrynter		LC
27	Carangidae	Caranx caballus		LC
28	Carangidae	Caranx caninus		LC
29	Carangidae	Caranx crysos		LC
30	Carangidae	Caranx sexfasciatus		LC
31	Carangidae	Caranx vinctus		LC
32	Carangidae	Chloroscombrus orqueta		LC
33	Carangidae	Decapterus russelli		LC
34	Carangidae	Hemicaranx leucurus		LC
35	Carangidae	Hemicaranx zelotes		LC
36	Carangidae	Oligoplites altus		LC
37	Carangidae	Oligoplites refulgens		LC
38	Carangidae	Selene brevoortii		LC
39	Carangidae	Selene orstedii		LC
40	Carangidae	Selene peruviana		LC
41	Carangidae	Seriola peruana		LC
42	Carangidae	Trachinotus goodei		LC

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Family	Scientific Name	Common Name		
43	Carangidae	Trachinotus kennedyi		LC
44	Carangidae	Trachinotus paitensis		LC
45	Carangidae	Trachinotus rhodopus		LC
46	Carangidae	Trachinotus stilbe		LC
47	Carangidae	Trachurus murphyi		DD
48	Carangidae	Trachurus symmetricus		LC
49	Carcharhinidae	Carcharhinus acronotus		NT
50	Carcharhinidae	Carcharhinus albimarginatus		VU
51	Carcharhinidae	Carcharhinus altimus		DD
52	Carcharhinidae	Carcharhinus amblyrhynchoides		NT
53	Carcharhinidae	Carcharhinus amblyrhynchos		NT
54	Carcharhinidae	Carcharhinus amboinensis		DD
55	Carcharhinidae	Carcharhinus borneensis		EN
56	Carcharhinidae	Carcharhinus brachyurus		NT
57	Carcharhinidae	Carcharhinus brevipinna		NT
58	Carcharhinidae	Carcharhinus cautus		DD
59	Carcharhinidae	Carcharhinus dussumieri		NT
60	Carcharhinidae	Carcharhinus falciformis	II	VU
61	Carcharhinidae	Carcharhinus fitzroyensis		LC
62	Carcharhinidae	Carcharhinus galapagensis		NT
63	Carcharhinidae	Carcharhinus hemiodon		CR
64	Carcharhinidae	Carcharhinus isodon		LC
65	Carcharhinidae	Carcharhinus leiodon		EN
66	Carcharhinidae	Carcharhinus leucas		NT
67	Carcharhinidae	Carcharhinus limbatus		NT
68	Carcharhinidae	Carcharhinus longimanus		VU
69	Carcharhinidae	Carcharhinus macloti		NT
70	Carcharhinidae	Carcharhinus melanopterus		NT
71	Carcharhinidae	Carcharhinus obscurus	II	VU
72	Carcharhinidae	Carcharhinus perezii		NT
73	Carcharhinidae	Carcharhinus plumbeus		VU
74	Carcharhinidae	Carcharhinus porosus		DD
75	Carcharhinidae	Carcharhinus sealei		NT
76	Carcharhinidae	Carcharhinus signatus		VU
77	Carcharhinidae	Carcharhinus sorrah		NT
78	Carcharhinidae	Carcharhinus tilstoni		LC
79	Carcharhinidae	Galeocerdo cuvier		NT
80	Carcharhinidae	Glyphis gangeticus		CR
81	Carcharhinidae	Glyphis garricki		CR
82	Carcharhinidae	Glyphis glyphis		EN
83	Carcharhinidae	Glyphis siamensis		CR
84	Carcharhinidae	Isogomphodon oxyrinchus		CR

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Family	Scientific Name	Common Name		
85	Carcharhinidae	Lamiopsis temmincki		NA
86	Carcharhinidae	Loxodon macrorhinus		LC
87	Carcharhinidae	Nasolamia velox		DD
88	Carcharhinidae	Negaprion acutidens		VU
89	Carcharhinidae	Negaprion brevirostris		NT
90	Carcharhinidae	Prionace glauca	II	NT
91	Carcharhinidae	Rhizoprionodon acutus		LC
92	Carcharhinidae	Rhizoprionodon lalandii		DD
93	Carcharhinidae	Rhizoprionodon longurio		DD
94	Carcharhinidae	Rhizoprionodon oligolinx		LC
95	Carcharhinidae	Rhizoprionodon porosus		LC
96	Carcharhinidae	Rhizoprionodon taylori		LC
97	Carcharhinidae	Rhizoprionodon terraenovae		LC
98	Carcharhinidae	Scoliodon laticaudus		NT
99	Carcharhinidae	Triaenodon obesus		NT
100	Cetorhinidae	Cetorhinus maximus	I/II	VU
101	Clupeidae	Alosa aestivalis		VU
102	Clupeidae	Alosa alabamae		DD
103	Clupeidae	Alosa caspia		LC
104	Clupeidae	Alosa immaculata		VU
105	Clupeidae	Alosa mediocris	Hickory Shad	LC
106	Clupeidae	Alosa pseudoharengus	Alewife	LC
107	Clupeidae	Alosa sapidissima	American Shad	LC
108	Clupeidae	Anodontostoma selangkat	Indonesian Gizzard Shad	DD
109	Clupeidae	Anodontostoma thailandiae	Thai Gizzard Shad	LC
110	Clupeidae	Clupea harengus	Atlantic Herring	LC
111	Clupeidae	Ethmalosa fimbriata	Bonga shad	LC
112	Clupeidae	Etrumeus whiteheadi	Whitehead's Round Herring	LC
113	Clupeidae	Gonialosa modesta	Burmese River Gizzard Shad	LC
114	Clupeidae	Gonialosa whiteheadi	Southern Burmese Gizzard Shad	DD
115	Clupeidae	Harengula thrissina	Pacific Flatiron Herring	LC
116	Clupeidae	Jenkinsia lamprotaenia	Dwarf Round Herring	LC
117	Clupeidae	Jenkinsia majua	Little-eye Round Herring	LC
118	Clupeidae	Jenkinsia parvula	Venezuelan Herring	DD
119	Clupeidae	Lile gracilis	Graceful Piquitinga	LC
120	Clupeidae	Lile nigrofasciata	Blackstripe Herring	LC
121	Clupeidae	Lile piquitinga	Atlantic Piquitinga	LC
122	Clupeidae	Lile stolifera	Pacific Piquitinga	LC
123	Clupeidae	Minyclupeoides dentibranchialus		LC
124	Clupeidae	Nematalosa galathea	Galathea Gizzard Shad	LC
125	Clupeidae	Nematalosa nasus	Bloch's Gizzard Shad	LC
126	Clupeidae	Opisthonema berlangai	Galapagos Thread Herring	VU

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Family	Scientific Name	Common Name		
127	Clupeidae	<i>Opisthonema bulleri</i>	Slender thread herring	LC
128	Clupeidae	<i>Opisthonema libertate</i>	Deep-bodied Pacific thread herring	LC
129	Clupeidae	<i>Opisthonema medirastre</i>	Middling thread herring	LC
130	Clupeidae	<i>Pellonula vorax</i>	Bigtoothed Pellonula	LC
131	Clupeidae	<i>Pliosteostoma lutipinnis</i>	Yellowfin Herring	LC
132	Clupeidae	<i>Sardinella albella</i>	White Sardinella	LC
133	Clupeidae	<i>Sardinella fijiense</i>	Fiji Sardinella	LC
134	Clupeidae	<i>Sardinella longiceps</i>	Indian Oil Sardine	LC
135	Clupeidae	<i>Spratelloides gracilis</i>	Blue Sprat	LC
136	Coryphaenidae	<i>Coryphaena equiselis</i>	Pompano Dolphinfin	LC
137	Coryphaenidae	<i>Coryphaena hippurus</i>	Common Dolphinfin	LC
138	Dalatiidae	<i>Dalatias licha</i>	Kitefin Shark	NT
139	Dalatiidae	<i>Euprotomicroides zantedeschia</i>	Taillight Shark	DD
140	Dalatiidae	<i>Euprotomicrus bispinatus</i>	Pygmy Shark	LC
141	Dalatiidae	<i>Heteroscymnoides marleyi</i>	Longnose Pygmy Shark	LC
142	Dalatiidae	<i>Isistius brasiliensis</i>	Cookie-cutter Shark	LC
143	Dalatiidae	<i>Isistius labialis</i>	South China Cookiecutter Shark	DD
144	Dalatiidae	<i>Isistius plutodus</i>	Large-tooth Cookiecutter Shark	LC
145	Dalatiidae	<i>Mollisquama parini</i>	Pocket Shark	DD
146	Dalatiidae	<i>Squaliolus aliae</i>	Smalleye Pygmy Shark	LC
147	Dalatiidae	<i>Squaliolus laticaudus</i>	Spined Pygmy Shark	LC
148	Dasyatidae	<i>Dasyatis centroura</i>	Roughtail Stingray	NA
149	Dasyatidae	<i>Dasyatis colarensis</i>	Colares Stingray	NA
150	Dasyatidae	<i>Dasyatis geijskesi</i>	Sharpsnout Stingray	NA
151	Dasyatidae	<i>Dasyatis sabina</i>	Atlantic Stingray	NA
152	Dasyatidae	<i>Himantura fai</i>	Pink Whipray	NA
153	Dasyatidae	<i>Himantura imbricata</i>	Scaly Whipray	NA
154	Dasyatidae	<i>Himantura marginata</i>	Blackedge Whipray	DD
155	Dasyatidae	<i>Himantura uarnacoides</i>	Bleeker's Whipray	NA
156	Dasyatidae	<i>Himantura uarnak</i>	Reticulate Whipray	VU
157	Dasyatidae	<i>Pastinachus sephen</i>	Cowtail Ray	NT
158	Dasyatidae	<i>Pteroplatytrygon violacea</i>	Pelagic Stingray	LC
159	Echinorhinidae	<i>Echinorhinus brucus</i>	Bramble Shark	DD
160	Echinorhinidae	<i>Echinorhinus cookei</i>	Prickly Shark	NT
161	Engraulidae	<i>Anchoa analis</i>	Longfin Pacific Anchovy	DD
162	Engraulidae	<i>Anchoa argentivittata</i>	Silverstripe Anchovy	LC
163	Engraulidae	<i>Anchoa chamensis</i>	Chame Point anchovy	VU
164	Engraulidae	<i>Anchoa choerostoma</i>	Bermuda Anchovy	EN
165	Engraulidae	<i>Anchoa curta</i>	Short Anchovy	LC
166	Engraulidae	<i>Anchoa delicatissima</i>	Slough Anchovy	LC
167	Engraulidae	<i>Anchoa eigenmannia</i>	Eigenmann's Anchovy	LC
168	Engraulidae	<i>Anchoa exigua</i>	Slender Anchovy	LC

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169	Engraulidae	Anchoa helleri	Heller's Anchovy	LC
170	Engraulidae	Anchoa ischana	Sharpnose Anchovy	LC
171	Engraulidae	Anchoa lucida	Bright Anchovy	LC
172	Engraulidae	Anchoa mitchilli	Bay Anchovy	LC
173	Engraulidae	Anchoa mundeola	False Panama Anchovy	LC
174	Engraulidae	Anchoa mundeoloides	Northern Gulf Anchovy	LC
175	Engraulidae	Anchoa nasus	Longnose Anchovy	LC
176	Engraulidae	Anchoa panamensis	Panama Anchovy	LC
177	Engraulidae	Anchoa scofieldi	Scofield's Anchovy	LC
178	Engraulidae	Anchoa starksi	Starks's Anchovy	LC
179	Engraulidae	Anchoa walkeri	Walker's Anchovy	LC
180	Engraulidae	Anchovia macrolepidota	Bigscale Anchovy	LC
181	Engraulidae	Anchoviella balboae	Balboa Anchovy	DD
182	Engraulidae	Anchoviella brevirostris	Snubnose Anchovy	LC
183	Engraulidae	Cetengraulis mysticetus	Pacific Anchoveta	LC
184	Engraulidae	Coilia grayii	Grey's Grenadier Anchovy	LC
185	Engraulidae	Coilia lindmani	Lindman's Grenadier Anchovy	LC
186	Engraulidae	Coilia neglecta	Neglected Grenadier Anchovy	LC
187	Engraulidae	Engraulis mordax	California Anchovy	LC
188	Engraulidae	Engraulis ringens	Peruvian Anchoveta	LC
189	Engraulidae	Lycengraulis poeyi	Pacific Sabretooth Anchovy	LC
190	Engraulidae	Stolephorus ronquilloi	Ronquillo's Anchovy	VU
191	Engraulidae	Thryssa gautamiensis	Gautama Thryssa	DD
192	Engraulidae	Thryssa mystax	Moustached Thryssa	LC
193	Engraulidae	Thryssa scratchleyi	Freshwater Anchovy	DD
194	Exocoetidae	Cheilopogon dorsomacula	Backspot Flying Fish	LC
195	Exocoetidae	Cheilopogon papilio	Butterfly flyingfish	LC
196	Exocoetidae	Cheilopogon pinnatibarbus	Bennett's Flyingfish	LC
197	Exocoetidae	Cheilopogon rapanouiensis	Easter Island Flyingfish	LC
198	Exocoetidae	Cheilopogon xenopterus	Whitetip flyingfish	LC
199	Exocoetidae	Cypselurus callopterus	Ornamented flyingfish	LC
200	Exocoetidae	Exocoetus peruvianus	Peruvian Flyingfish	DD
201	Exocoetidae	Fodiator rostratus	Sharpchin flyingfish	LC
202	Exocoetidae	Hirundichthys marginatus	Banded Flyingfish	LC
203	Exocoetidae	Hirundichthys rondeletii	Atlantic Black Wing Flyingfish	LC
204	Exocoetidae	Prognichthys sealei	Sailor flyingfish	LC
205	Exocoetidae	Prognichthys tringa	Tringa flyingfish	LC
206	Ginglymostomatidae	Nebrius ferrugineus	Tawny Nurse Shark	VU
207	Hemiramphidae	Hemiramphus saltator	Jumping halfbeak	LC
208	Hemiramphidae	Hyporhamphus gilli	Choelo halfbeak	LC
209	Hemiramphidae	Hyporhamphus limbatus	Congaturi Halfbeak	LC
210	Hemiramphidae	Hyporhamphus naos	Pacific silverstripe halfbeak	LC

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Family	Scientific Name	Common Name		
211	Hemiramphidae	Hyporhamphus roberti		LC
212	Hemiramphidae	Hyporhamphus rosae		DD
213	Hemiramphidae	Hyporhamphus snyderi		LC
214	Hemiramphidae	Zenarchopterus caudovittatus		DD
215	Hemiramphidae	Zenarchopterus dispar	Feathered River-garfish	LC
216	Hemiramphidae	Zenarchopterus gilli		LC
217	Hemiramphidae	Zenarchopterus pappenheimi	Bangkok Halfbeak	DD
218	Hexanchidae	Hexanchus griseus	Bluntnose Sixgill Shark	NT
219	Hexanchidae	Notorynchus cepedianus	Broadnose Sevengill Shark	DD
220	Istiophoridae	Istiompax indica	Black Marlin	DD
221	Istiophoridae	Istiophorus albicans	Atlantic Sailfish	NA
222	Istiophoridae	Istiophorus platypterus	Sailfish	LC
223	Istiophoridae	Kajikia albida	White Marlin	VU
224	Istiophoridae	Kajikia audax	Striped Marlin	NT
225	Istiophoridae	Makaira nigricans	Blue Marlin	VU
226	Istiophoridae	Tetrapturus angustirostris	Shortbill Spearfish	DD
227	Istiophoridae	Tetrapturus belone	Mediterranean Shortbill Spearfish	LC
228	Istiophoridae	Tetrapturus georgii	Roundscale Spearfish	DD
229	Istiophoridae	Tetrapturus pfluegeri	Longbill Spearfish	LC
230	Lamnidae	Carcharodon carcharias	Great White Shark	I/II VU
231	Lamnidae	Isurus oxyrinchus	Shortfin Mako	II VU
232	Lamnidae	Isurus paucus	Longfin Mako	II VU
233	Lamnidae	Lamna ditropis	Salmon Shark	LC
234	Lamnidae	Lamna nasus	Porbeagle	II VU
235	Lutjanidae	Apsilus dentatus	Black Snapper	LC
236	Lutjanidae	Etelis carbunculus	Ruby Snapper	LC
237	Lutjanidae	Hoplopogrus guentherii	Mexican barred snapper	LC
238	Lutjanidae	Lutjanus analis	Mutton Snapper	NT
239	Lutjanidae	Lutjanus aratus	Vivaneau radis	LC
240	Lutjanidae	Lutjanus argentiventris	Amarillo snapper	LC
241	Lutjanidae	Lutjanus colorado	Vivaneau amarante	LC
242	Lutjanidae	Lutjanus cyanopterus	Cubera Snapper	VU
243	Lutjanidae	Lutjanus decussatus	Crossbanded Snapper	LC
244	Lutjanidae	Lutjanus guttatus	Spotted rose snapper	LC
245	Lutjanidae	Lutjanus inermis	Golden snapper	LC
246	Lutjanidae	Lutjanus jordani	Whipper snapper	LC
247	Lutjanidae	Lutjanus notatus	Bluestriped Snapper	LC
248	Lutjanidae	Lutjanus novemfasciatus	Pacific cubera snapper	LC
249	Lutjanidae	Lutjanus peru	Pacific red snapper	LC
250	Lutjanidae	Lutjanus viridis	Blue and gold snapper	LC
251	Lutjanidae	Paracaesio caerulea	Japanese Snapper	DD
252	Lutjanidae	Pristipomoides freemani	Slender Wenchman	LC

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Family	Scientific Name	Common Name		
253	Megachasmidae	Megachasma pelagios		LC
254	Mitsukurinidae	Mitsukurina owstoni		LC
255	Mobulidae	Mobula alfredi		VU
256	Mobulidae	Mobula birostris		VU
257	Mobulidae	Mobula eregoodoo	I/II	NT
258	Mobulidae	Mobula hypostoma	I/II	DD
259	Mobulidae	Mobula kuhlii	I/II	DD
260	Mobulidae	Mobula mobular	I/II	EN
261	Mobulidae	Mobula munkiana	I/II	NT
262	Mobulidae	Mobula rochebrunei	I/II	VU
263	Mobulidae	Mobula tarapacana	I/II	VU
264	Mobulidae	Mobula thurstoni	I/II	NT
265	Myliobatidae	Aetomylaeus maculatus		EN
266	Myliobatidae	Aetomylaeus nichofii		VU
267	Myliobatidae	Aetomylaeus vespertilio		EN
268	Myliobatidae	Myliobatis aquila		DD
269	Myliobatidae	Myliobatis australis		NA
270	Myliobatidae	Myliobatis californicus		LC
271	Myliobatidae	Myliobatis chilensis		DD
272	Myliobatidae	Myliobatis freminvillii		DD
273	Myliobatidae	Myliobatis goodei		DD
274	Myliobatidae	Myliobatis hamlyni		NT
275	Myliobatidae	Myliobatis longirostris		NT
276	Myliobatidae	Myliobatis peruvianus		DD
277	Myliobatidae	Myliobatis tenuicaudatus		LC
278	Myliobatidae	Myliobatis tobijei		DD
279	Myliobatidae	Pteromylaeus asperrimus		NA
280	Myliobatidae	Pteromylaeus bovinus		NA
281	Odontaspidae	Carcharias taurus		VU
282	Odontaspidae	Odontaspis ferox		VU
283	Odontaspidae	Odontaspis noronhai		DD
284	Potamotrygonidae	Potamotrygon constellata		DD
285	Potamotrygonidae	Potamotrygon hystrix		DD
286	Potamotrygonidae	Potamotrygon motoro		DD
287	Potamotrygonidae	Potamotrygon scobina		DD
288	Pristidae	Anoxypristis cuspidata	I/II	EN
289	Pristidae	Pristis pectinata		CR
290	Pristidae	Pristis pristis	I/II	CR
291	Pristigasteridae	Chirocentrodon bleekermanus		LC
292	Pristigasteridae	Ilisha fuerthii		LC
293	Pristigasteridae	Neopisthopterus tropicus		LC
294	Pristigasteridae	Odontognathus panamensis		LC

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295	Pristigasteridae	Opisthopterus dovii		LC
296	Pristigasteridae	Opisthopterus effulgens		VU
297	Pristigasteridae	Opisthopterus equatorialis		LC
298	Pristigasteridae	Opisthopterus macrops		LC
299	Pristigasteridae	Raconda russeliana		LC
300	Pristiophoridae	Pliotrema warreni		NT
301	Pseudocarchariidae	Pseudocarcharias kamoharai		NT
302	Rajidae	Amblyraja radiata		VU
303	Rajidae	Malacoraja senta		EN
304	Rajidae	Raja binoculata		NA
305	Rajidae	Raja pulchra		NA
306	Rajidae	Raja straeleni		DD
307	Rhincodontidae	Rhincodon typus		EN
308	Rhinidae	Rhynchobatus djiddensis		VU
309	Rhinidae	Rhynchobatus luebberti		EN
310	Rhinobatidae	Rhinobatos annandalei		DD
311	Rhinobatidae	Rhinobatos annulatus		NA
312	Rhinobatidae	Rhinobatos horkelii		NA
313	Rhinobatidae	Rhinobatos lionotus		DD
314	Rhinopteridae	Rhinoptera bonasus		NT
315	Rhinopteridae	Rhinoptera brasiliensis		EN
316	Rhinopteridae	Rhinoptera javanica		VU
317	Rhinopteridae	Rhinoptera neglecta		DD
318	Rhinopteridae	Rhinoptera steindachneri		NT
319	Salmonidae	Coregonus artedi		LR/lc
320	Salmonidae	Coregonus huntsmani		CR
321	Salmonidae	Coregonus subautumnalis		VU
322	Salmonidae	Coregonus widegreni		DD
323	Salmonidae	Hucho perryi	Sakhalin Taimen	CR
324	Salmonidae	Oncorhynchus ishikawai	Satsukimasu Salmon	NA
325	Salmonidae	Oncorhynchus nerka	Sockeye Salmon	LC
326	Salmonidae	Salmo salar	Atlantic Salmon	LR/lc
327	Salmonidae	Salvelinus confluentus	Bull Trout	VU
328	Scomberesocidae	Cololabis adocetus		NA
329	Scomberesocidae	Cololabis saira		NA
330	Scomberesocidae	Scomberesox saurus	Atlantic Saury	LC
331	Scombridae	Acanthocybium solandri	Wahoo	LC
332	Scombridae	Allothunnus fallai	Slender Tuna	LC
333	Scombridae	Auxis rochei	Bullet Tuna	LC
334	Scombridae	Auxis thazard	Frigate Tuna	LC
335	Scombridae	Cybiosarda elegans	Leaping Bonito	LC
336	Scombridae	Euthynnus affinis	Kawakawa	LC

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Family	Scientific Name	Common Name		
337	Scombridae	<i>Euthynnus alletteratus</i>	Little Tunny	LC
338	Scombridae	<i>Euthynnus lineatus</i>	Black Skipjack	LC
339	Scombridae	<i>Gasterochisma melampus</i>	Butterfly Mackerel	LC
340	Scombridae	<i>Grammatorcynus bicarinatus</i>	Shark Mackerel	LC
341	Scombridae	<i>Grammatorcynus bilineatus</i>	Double-lined Mackerel	LC
342	Scombridae	<i>Gymnosarda unicolor</i>	Dogtooth Tuna	LC
343	Scombridae	<i>Katsuwonus pelamis</i>	Skipjack Tuna	LC
344	Scombridae	<i>Orcynopsis unicolor</i>	Plain Bonito	LC
345	Scombridae	<i>Rastrelliger brachysoma</i>	Short Mackerel	DD
346	Scombridae	<i>Rastrelliger faughni</i>	Island Mackerel	DD
347	Scombridae	<i>Rastrelliger kanagurta</i>	Indian Mackerel	DD
348	Scombridae	<i>Sarda australis</i>	Australian Bonito	LC
349	Scombridae	<i>Sarda chiliensis</i>	Pacific Bonito	LC
350	Scombridae	<i>Sarda orientalis</i>	Oriental Bonito	LC
351	Scombridae	<i>Sarda sarda</i>	Atlantic Bonito	LC
352	Scombridae	<i>Scomber australasicus</i>	Blue Mackerel	LC
353	Scombridae	<i>Scomber colias</i>	Atlantic Chub Mackerel	LC
354	Scombridae	<i>Scomber japonicus</i>	Pacific Chub Mackerel	LC
355	Scombridae	<i>Scomber scombrus</i>	Atlantic Mackerel	LC
356	Scombridae	<i>Scomberomorus brasiliensis</i>	Serra Spanish Mackerel	LC
357	Scombridae	<i>Scomberomorus cavalla</i>	King Mackerel	LC
358	Scombridae	<i>Scomberomorus commerson</i>	Narrow-barred Spanish Mackerel	NT
359	Scombridae	<i>Scomberomorus concolor</i>	Monterrey Spanish Mackerel	VU
360	Scombridae	<i>Scomberomorus guttatus</i>	Indo-Pacific King Mackerel	DD
361	Scombridae	<i>Scomberomorus koreanus</i>	Korean Seerfish	LC
362	Scombridae	<i>Scomberomorus lineolatus</i>	Streaked Seerfish	LC
363	Scombridae	<i>Scomberomorus maculatus</i>	Atlantic Spanish Mackerel	LC
364	Scombridae	<i>Scomberomorus multiradiatus</i>	Papuan Seerfish	LC
365	Scombridae	<i>Scomberomorus munroi</i>	Spotted Mackerel	NT
366	Scombridae	<i>Scomberomorus niphonius</i>	Japanese Seerfish	DD
367	Scombridae	<i>Scomberomorus plurilineatus</i>	Queen Mackerel	DD
368	Scombridae	<i>Scomberomorus queenslandicus</i>	School Mackerel	LC
369	Scombridae	<i>Scomberomorus regalis</i>	Cero	LC
370	Scombridae	<i>Scomberomorus semifasciatus</i>	Broad-barred Mackerel	LC
371	Scombridae	<i>Scomberomorus sierra</i>	Pacific Sierra	LC
372	Scombridae	<i>Scomberomorus sinensis</i>	Chinese Seerfish	DD
373	Scombridae	<i>Scomberomorus tritor</i>	West African Spanish Mackerel	LC
374	Scombridae	<i>Thunnus alalunga</i>	Albacore Tuna	NT
375	Scombridae	<i>Thunnus albacares</i>	Yellowfin Tuna	NT
376	Scombridae	<i>Thunnus atlanticus</i>	Blackfin Tuna	LC
377	Scombridae	<i>Thunnus maccoyii</i>	Southern Bluefin Tuna	CR
378	Scombridae	<i>Thunnus obesus</i>	Bigeye Tuna	VU

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Family	Scientific Name	Common Name		
379	Scombridae	Thunnus orientalis		VU
380	Scombridae	Thunnus thynnus		EN
381	Scombridae	Thunnus tonggol		DD
382	Somniosidae	Centroscymnus coelolepis		NT
383	Somniosidae	Centroscymnus owstonii		LC
384	Somniosidae	Centroselachus crepidater		LC
385	Somniosidae	Proscymnodon macracanthus		DD
386	Somniosidae	Proscymnodon plunketi		NA
387	Somniosidae	Scymnodalatias albicauda		DD
388	Somniosidae	Scymnodalatias garricki		DD
389	Somniosidae	Scymnodalatias oligodon		DD
390	Somniosidae	Scymnodalatias sherwoodi		DD
391	Somniosidae	Scymnodon ringens		DD
392	Somniosidae	Somniosus antarcticus		DD
393	Somniosidae	Somniosus longus		DD
394	Somniosidae	Somniosus microcephalus		NT
395	Somniosidae	Somniosus pacificus		DD
396	Somniosidae	Somniosus rostratus		DD
397	Somniosidae	Zameus ichiharai		DD
398	Somniosidae	Zameus squamulosus		DD
399	Sphyrnidae	Eusphyrna blochii		EN
400	Sphyrnidae	Sphyrna corona		NT
401	Sphyrnidae	Sphyrna lewini	II	EN
402	Sphyrnidae	Sphyrna media		DD
403	Sphyrnidae	Sphyrna mokarran	II	EN
404	Sphyrnidae	Sphyrna tiburo		LC
405	Sphyrnidae	Sphyrna tudes		VU
406	Sphyrnidae	Sphyrna zygaena		VU
407	Squalidae	Cirrhigaleus asper		DD
408	Squalidae	Cirrhigaleus australis		DD
409	Squalidae	Cirrhigaleus barbifer		DD
410	Squalidae	Squalus acanthias	II	VU
411	Squalidae	Squalus acutirostris		DD
412	Squalidae	Squalus albifrons		DD
413	Squalidae	Squalus altipinnis		DD
414	Squalidae	Squalus blainville		DD
415	Squalidae	Squalus brevirostris		DD
416	Squalidae	Squalus bucephalus		DD
417	Squalidae	Squalus chloroculus		NT
418	Squalidae	Squalus crassispinus		DD
419	Squalidae	Squalus cubensis		DD
420	Squalidae	Squalus edmundsi		NT

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Family	Scientific Name	Common Name		
421 Squalidae	<i>Squalus grahami</i>	Eastern Longnose Spurdog		NT
422 Squalidae	<i>Squalus griffini</i>	Northern Spiny Dogfish		LC
423 Squalidae	<i>Squalus hemipinnis</i>	Indonesian Shortsnout Spurdog		NT
424 Squalidae	<i>Squalus japonicus</i>	Japanese Spurdog		DD
425 Squalidae	<i>Squalus lalandi</i>	Seychelles Spurdog		DD
426 Squalidae	<i>Squalus megalops</i>	Shortnose Spurdog		DD
427 Squalidae	<i>Squalus melanurus</i>	Blacktailed Spurdog		LC
428 Squalidae	<i>Squalus mitsukurii</i>	Shortspine Spurdog		DD
429 Squalidae	<i>Squalus montalbani</i>	Philippine Spurdog		VU
430 Squalidae	<i>Squalus nasutus</i>	Western Longnose Spurdog		DD
431 Squalidae	<i>Squalus notocaudatus</i>	Bartail Spurdog		DD
432 Squalidae	<i>Squalus rancureli</i>	Cyrano Spurdog		NT
433 Squalidae	<i>Squalus raoulensis</i>	Kermadec Spiny Dogfish		LC
434 Squatinidae	<i>Squatina squatina</i>	Angelshark	I/II	CR
435 Torpedinidae	<i>Torpedo nobiliana</i>	Great Torpedo Ray		NA
436 Triakidae	<i>Galeorhinus galeus</i>	Tope		VU
437 Triakidae	<i>Mustelus asterias</i>	Starry Smoothhound		LC
438 Triakidae	<i>Mustelus mustelus</i>	Common Smoothhound		VU
439 Xiphiidae	<i>Xiphias gladius</i>	Swordfish		LC

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Family	Scientific Name	Common Name		
1 Balaenidae	<i>Balaena mysticetus</i>	Bowhead Whale	I	LC
2 Balaenidae	<i>Eubalaena australis</i>	Southern Right Whale	I	LC
3 Balaenidae	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	I	EN
4 Balaenidae	<i>Eubalaena japonica</i>	North Pacific Right Whale	I	EN
5 Balaenopteridae	<i>Balaenoptera acutorostrata</i>	(Common) Minke Whale		LC
6 Balaenopteridae	<i>Balaenoptera bonaerensis</i>	Antarctic Minke Whale	II	NT
7 Balaenopteridae	<i>Balaenoptera borealis</i>	Sei Whale	I/II	EN
8 Balaenopteridae	<i>Balaenoptera edeni</i>	Bryde's Whale	II	LC
9 Balaenopteridae	<i>Balaenoptera musculus</i>	Blue Whale	I	EN
10 Balaenopteridae	<i>Balaenoptera omurai</i>	Omura's Whale	II	DD
11 Balaenopteridae	<i>Balaenoptera physalus</i>	Fin Whale	I/II	EN
12 Balaenopteridae	<i>Megaptera novaeangliae</i>	Humpback Whale	I	LC
13 Delphinidae	<i>Cephalorhynchus heavisidii</i>	Heaviside's Dolphin	II	DD
14 Delphinidae	<i>Delphinus capensis</i>	Long-beaked Common Dolphin		DD
15 Delphinidae	<i>Delphinus delphis</i>	Short-beaked Common Dolphin	I/II	LC
16 Delphinidae	<i>Feresa attenuata</i>	Pygmy Killer Whale		DD
17 Delphinidae	<i>Globicephala macrorhynchus</i>	Short-finned Pilot Whale		DD
18 Delphinidae	<i>Globicephala melas</i>	Long-finned Pilot Whale	II	DD
19 Delphinidae	<i>Grampus griseus</i>	Risso's Dolphin	II	LC
20 Delphinidae	<i>Lagenodelphis hosei</i>	Fraser's Dolphin	II	LC
21 Delphinidae	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	II	LC
22 Delphinidae	<i>Lagenorhynchus albirostris</i>	White-beaked Dolphin	II	LC
23 Delphinidae	<i>Lagenorhynchus australis</i>	Peale's Dolphin	II	DD
24 Delphinidae	<i>Lagenorhynchus cruciger</i>	Hourglass Dolphin		LC
25 Delphinidae	<i>Lagenorhynchus obliquidens</i>	Pacific White-sided Dolphin		LC
26 Delphinidae	<i>Lagenorhynchus obscurus</i>	Dusky Dolphin	II	DD
27 Delphinidae	<i>Lissodelphis borealis</i>	Northern Right Whale Dolphin		LC
28 Delphinidae	<i>Lissodelphis peronii</i>	Southern Right Whale Dolphin		DD
29 Delphinidae	<i>Orcinus orca</i>	Killer Whale	II	DD
30 Delphinidae	<i>Peponocephala electra</i>	Melon-headed Whale		LC
31 Delphinidae	<i>Pseudorca crassidens</i>	False Killer Whale		DD
32 Delphinidae	<i>Stenella attenuata</i>	Pantropical Spotted Dolphin	II	LC
33 Delphinidae	<i>Stenella clymene</i>	Clymene Dolphin	II	DD
34 Delphinidae	<i>Stenella coeruleoalba</i>	Striped Dolphin	II	LC
35 Delphinidae	<i>Stenella frontalis</i>	Atlantic Spotted Dolphin		DD
36 Delphinidae	<i>Stenella longirostris</i>	Spinner Dolphin	II	DD
37 Delphinidae	<i>Steno bredanensis</i>	Rough-toothed Dolphin		LC
38 Delphinidae	<i>Tursiops aduncus</i>	Indo-Pacific Bottlenose Dolphin	II	DD
39 Delphinidae	<i>Tursiops truncatus</i>	Common Bottlenose Dolphin	I/II	LC
40 Dugongidae	<i>Dugong dugon</i>	Dugong	II	VU
41 Eschrichtiidae	<i>Eschrichtius robustus</i>	Gray Whale		LC

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42	Monodontidae	Delphinapterus leucas	Beluga Whale	II LC
43	Monodontidae	Monodon monoceros	Narwhal	II LC
44	Neobalaenidae	Caperea marginata	Pygmy Right Whale	II DD
45	Odobenidae	Odobenus rosmarus	Walrus	VU
46	Otariidae	Arctocephalus australis	South American Fur Seal	II LC
47	Otariidae	Arctocephalus forsteri	New Zealand Fur Seal	LC
48	Otariidae	Arctocephalus gazella	Antarctic Fur Seal	LC
49	Otariidae	Arctocephalus philippii	Juan Fernández Fur Seal	LC
50	Otariidae	Arctocephalus pusillus	Afro-Australian Fur Seal	LC
51	Otariidae	Arctocephalus townsendi	Guadalupe Fur Seal	LC
52	Otariidae	Arctocephalus tropicalis	Subantarctic Fur Seal	LC
53	Otariidae	Callorhinus ursinus	Northern Fur Seal	VU
54	Otariidae	Zalophus californianus	Californian Sea Lion	LC
55	Phocidae	Cystophora cristata	Hooded Seal	VU
56	Phocidae	Erignathus barbatus	Bearded Seal	LC
57	Phocidae	Halichoerus grypus	Grey Seal	II LC
58	Phocidae	Hydrurga leptonyx	Leopard Seal	LC
59	Phocidae	Leptonychotes weddellii	Weddell Seal	LC
60	Phocidae	Lobodon carcinophaga	Crabeater Seal	LC
61	Phocidae	Mirounga angustirostris	Northern Elephant Seal	LC
62	Phocidae	Mirounga leonina	Southern Elephant Seal	LC
63	Phocidae	Ommatophoca rossii	Ross Seal	LC
64	Phocidae	Pagophilus groenlandicus	Harp Seal	LC
65	Phocidae	Phoca largha	Spotted Seal	LC
66	Phocidae	Pusa hispida	Ringed Seal	LC
67	Phocoenidae	Neophocaena asiaeorientalis	Narrow-ridged Finless Porpoise	II EN
68	Phocoenidae	Neophocaena phocaenoides	Indo-Pacific Finless Porpoise	II VU
69	Phocoenidae	Phocoena dioptrica	Spectacled Porpoise	II DD
70	Phocoenidae	Phocoena spinipinnis	Burmeister's Porpoise	II DD
71	Phocoenidae	Phocoenoides dalli	Dall's Porpoise	II LC
72	Physeteridae	Kogia breviceps	Pygmy Sperm Whale	DD
73	Physeteridae	Kogia sima	Dwarf Sperm Whale	DD
74	Physeteridae	Physeter macrocephalus	Sperm Whale	I/II VU
75	Trichechidae	Trichechus inunguis	South American Manatee	II VU
76	Trichechidae	Trichechus manatus	American Manatee	I/II VU
77	Trichechidae	Trichechus senegalensis	African Manatee	I/II VU
78	Ursidae	Ursus maritimus	Polar Bear	II VU
79	Ziphiidae	Berardius arnuxii	Arnoux's Beaked Whale	DD
80	Ziphiidae	Berardius bairdii	Baird's Beaked Whale	II DD
81	Ziphiidae	Hyperoodon ampullatus	North Atlantic Bottlenose Whale	II DD
82	Ziphiidae	Hyperoodon planifrons	Southern Bottlenose Whale	LC

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83 Ziphiidae	<i>Indopacetus pacificus</i>	Indo-pacific Beaked Whale		DD
84 Ziphiidae	<i>Mesoplodon bidens</i>	Sowerby's Beaked Whale		DD
85 Ziphiidae	<i>Mesoplodon bowdoini</i>	Andrew's Beaked Whale		DD
86 Ziphiidae	<i>Mesoplodon carlhubbsi</i>	Hubbs' Beaked Whale		DD
87 Ziphiidae	<i>Mesoplodon densirostris</i>	Blainville's Beaked Whale		DD
88 Ziphiidae	<i>Mesoplodon europaeus</i>	Gervais' Beaked Whale		DD
89 Ziphiidae	<i>Mesoplodon ginkgodens</i>	Ginkgo-toothed Beaked Whale		DD
90 Ziphiidae	<i>Mesoplodon grayi</i>	Gray's Beaked Whale		DD
91 Ziphiidae	<i>Mesoplodon hectori</i>	Hector's Beaked Whale		DD
92 Ziphiidae	<i>Mesoplodon layardii</i>	Strap-toothed Whale		DD
93 Ziphiidae	<i>Mesoplodon mirus</i>	True's Beaked Whale		DD
94 Ziphiidae	<i>Mesoplodon perrini</i>	Perrin's Beaked Whale		DD
95 Ziphiidae	<i>Mesoplodon peruvianus</i>	Pygmy Beaked Whale		DD
96 Ziphiidae	<i>Mesoplodon stejnegeri</i>	Stejneger's Beaked Whale		DD
97 Ziphiidae	<i>Mesoplodon traversii</i>	Spade-toothed Whale		DD
98 Ziphiidae	<i>Tasmacetus shepherdi</i>	Shepherd's Beaked Whale		DD
99 Ziphiidae	<i>Ziphius cavirostris</i>	Cuvier's Beaked Whale	I	LC

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Family	Scientific Name	Common Name	2018)	List Status
1 Alcidae	<i>Aethia cristatella</i>	Crested Auklet		LC
2 Alcidae	<i>Aethia psittacula</i>	Parakeet Auklet		LC
3 Alcidae	<i>Aethia pusilla</i>	Least Auklet		LC
4 Alcidae	<i>Aethia pygmaea</i>	Whiskered Auklet		LC
5 Alcidae	<i>Alca torda</i>	Razorbill		NT
6 Alcidae	<i>Alle alle</i>	Little Auk		LC
7 Alcidae	<i>Brachyramphus brevirostris</i>	Kittlitz's Murrelet		NT
8 Alcidae	<i>Brachyramphus marmoratus</i>	Marbled Murrelet		EN
9 Alcidae	<i>Brachyramphus perdix</i>	Long-billed Murrelet		NT
10 Alcidae	<i>Cephus carbo</i>	Spectacled Guillemot		LC
11 Alcidae	<i>Cephus columba</i>	Pigeon Guillemot		LC
12 Alcidae	<i>Cephus grylle</i>	Black Guillemot		LC
13 Alcidae	<i>Cerorhinca monocerata</i>	Rhinoceros Auklet		LC
14 Alcidae	<i>Fratercula arctica</i>	Atlantic Puffin		VU
15 Alcidae	<i>Fratercula cirrhata</i>	Tufted Puffin		LC
16 Alcidae	<i>Fratercula corniculata</i>	Horned Puffin		LC
17 Alcidae	<i>Ptychoramphus aleuticus</i>	Cassin's Auklet		NT
18 Alcidae	<i>Synthliboramphus antiquus</i>	Ancient Murrelet		LC
19 Alcidae	<i>Synthliboramphus craveri</i>	Craveri's Murrelet		VU
20 Alcidae	<i>Synthliboramphus hypoleucus</i>	Guadalupe Murrelet		EN
21 Alcidae	<i>Synthliboramphus wumizusume</i>	Japanese Murrelet	I	VU
22 Alcidae	<i>Uria aalge</i>	Common Murre		LC
23 Alcidae	<i>Uria lomvia</i>	Thick-billed Murre		LC
24 Anatidae	<i>Aythya marila</i>	Greater Scaup	II	LC
25 Anatidae	<i>Bucephala clangula</i>	Common Goldeneye	II	LC
26 Anatidae	<i>Bucephala islandica</i>	Barrow's Goldeneye	II	LC
27 Anatidae	<i>Clangula hyemalis</i>	Long-tailed Duck	II	VU
28 Anatidae	<i>Histrionicus histrionicus</i>	Harlequin Duck	II	LC
29 Anatidae	<i>Melanitta americana</i>	Black Scoter		NT
30 Anatidae	<i>Melanitta deglandi</i>	White-winged Scoter		LC
31 Anatidae	<i>Melanitta fusca</i>	Velvet Scoter	II	VU
32 Anatidae	<i>Melanitta nigra</i>	Common Scoter	II	LC
33 Anatidae	<i>Melanitta perspicillata</i>	Surf Scoter	II	LC
34 Anatidae	<i>Melanitta stejnegeri</i>	Siberian Scoter		LC
35 Anatidae	<i>Mergus merganser</i>	Goosander	II	LC
36 Anatidae	<i>Mergus serrator</i>	Red-breasted Merganser	II	LC
37 Anatidae	<i>Polysticta stelleri</i>	Steller's Eider	I/II	VU
38 Anatidae	<i>Somateria fischeri</i>	Spectacled Eider	II	LC
39 Anatidae	<i>Somateria mollissima</i>	Common Eider	II	NT
40 Anatidae	<i>Somateria spectabilis</i>	King Eider	II	LC
41 Anatidae	<i>Tachyeres patachonicus</i>	Flying Steamerduck		LC

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42	Diomedidae	<i>Diomedea amsterdamensis</i>	Amsterdam Albatross	I CR
43	Diomedidae	<i>Diomedea antipodensis</i>	Antipodean Albatross	II EN
44	Diomedidae	<i>Diomedea dabbenena</i>	Tristan Albatross	II CR
45	Diomedidae	<i>Diomedea epomophora</i>	Southern Royal Albatross	II VU
46	Diomedidae	<i>Diomedea exulans</i>	Wandering Albatross	II VU
47	Diomedidae	<i>Diomedea sanfordi</i>	Northern Royal Albatross	II EN
48	Diomedidae	<i>Phoebastria albatrus</i>	Short-tailed Albatross	I VU
49	Diomedidae	<i>Phoebastria immutabilis</i>	Laysan Albatross	II NT
50	Diomedidae	<i>Phoebastria irrorata</i>	Waved Albatross	II CR
51	Diomedidae	<i>Phoebastria nigripes</i>	Black-footed Albatross	II NT
52	Diomedidae	<i>Phoebetria fusca</i>	Sooty Albatross	II EN
53	Diomedidae	<i>Phoebetria palpebrata</i>	Light-mantled Albatross	II NT
54	Diomedidae	<i>Thalassarche bulleri</i>	Buller's Albatross	II NT
55	Diomedidae	<i>Thalassarche carteri</i>	Indian Yellow-nosed Albatross	II EN
56	Diomedidae	<i>Thalassarche cauta</i>	Shy Albatross	II NT
57	Diomedidae	<i>Thalassarche chlororhynchos</i>	Atlantic Yellow-nosed Albatross	II EN
58	Diomedidae	<i>Thalassarche chrysostoma</i>	Grey-headed Albatross	II EN
59	Diomedidae	<i>Thalassarche eremita</i>	Chatham Albatross	II VU
60	Diomedidae	<i>Thalassarche impavida</i>	Campbell Albatross	II VU
61	Diomedidae	<i>Thalassarche melanophris</i>	Black-browed Albatross	II LC
62	Diomedidae	<i>Thalassarche salvini</i>	Salvin's Albatross	II VU
63	Diomedidae	<i>Thalassarche steadi</i>	White-capped Albatross	II NT
64	Fregatidae	<i>Fregata andrewsi</i>	Christmas Frigatebird	I CR
65	Fregatidae	<i>Fregata aquila</i>	Ascension Frigatebird	VU
66	Fregatidae	<i>Fregata ariel</i>	Lesser Frigatebird	LC
67	Fregatidae	<i>Fregata magnificens</i>	Magnificent Frigatebird	LC
68	Fregatidae	<i>Fregata minor</i>	Great Frigatebird	LC
69	Gaviidae	<i>Gavia adamsii</i>	Yellow-billed Loon	II NT
70	Gaviidae	<i>Gavia arctica</i>	Arctic Loon	LC
71	Gaviidae	<i>Gavia immer</i>	Common Loon	LC
72	Gaviidae	<i>Gavia pacifica</i>	Pacific Loon	LC
73	Gaviidae	<i>Gavia stellata</i>	Red-throated Loon	II LC
74	Hydrobatidae	<i>Hydrobates castro</i>	Band-rumped Storm-petrel	LC
75	Hydrobatidae	<i>Hydrobates furcatus</i>	Fork-tailed Storm-petrel	LC
76	Hydrobatidae	<i>Hydrobates homochroa</i>	Ashy Storm-petrel	EN
77	Hydrobatidae	<i>Hydrobates hornbyi</i>	Ringed Storm-petrel	DD
78	Hydrobatidae	<i>Hydrobates leucorhous</i>	Leach's Storm-petrel	VU
79	Hydrobatidae	<i>Hydrobates macrodactylus</i>	Guadalupe Storm-petrel	CR
80	Hydrobatidae	<i>Hydrobates markhami</i>	Markham's Storm-petrel	DD
81	Hydrobatidae	<i>Hydrobates matsudairae</i>	Matsudaira's Storm-petrel	VU
82	Hydrobatidae	<i>Hydrobates melania</i>	Black Storm-petrel	LC

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Family	Scientific Name	Common Name			
83	Hydrobatidae	Hydrobates microsoma		LC	
84	Hydrobatidae	Hydrobates monorhis		NT	
85	Hydrobatidae	Hydrobates monteiroi		VU	
86	Hydrobatidae	Hydrobates pelagicus		LC	
87	Hydrobatidae	Hydrobates tethys		LC	
88	Hydrobatidae	Hydrobates tristrami		NT	
89	Laridae	Anous minutus		LC	
90	Laridae	Anous stolidus		LC	
91	Laridae	Anous tenuirostris		LC	
92	Laridae	Chlidonias albobristatus		EN	
93	Laridae	Chlidonias hybridus		NA	
94	Laridae	Chlidonias leucopterus	White-winged Tern	II	LC
95	Laridae	Chlidonias niger	Black Tern	II	LC
96	Laridae	Creagrurus furcatus	Swallow-tailed Gull		LC
97	Laridae	Gelochelidon macrotarsa	Australian Gull-billed Tern		LC
98	Laridae	Gelochelidon nilotica	Common Gull-billed Tern	II	LC
99	Laridae	Gygis alba	Common White Tern		LC
100	Laridae	Gygis microrhyncha	Little White Tern		LC
101	Laridae	Hydrocoloeus minutus	Little Gull		LC
102	Laridae	Hydroprogne caspia	Caspian Tern	II	LC
103	Laridae	Larosterna inca	Inca Tern		NT
104	Laridae	Larus argentatus	European Herring Gull		LC
105	Laridae	Larus atlanticus	Olog's Gull	I	NT
106	Laridae	Larus atricilla	Laughing Gull		LC
107	Laridae	Larus audouinii	Audouin's Gull	I/II	LC
108	Laridae	Larus belcheri	Belcher's Gull		LC
109	Laridae	Larus brunnicephalus	Brown-headed Gull		LC
110	Laridae	Larus bulleri	Black-billed Gull		EN
111	Laridae	Larus cachinnans	Caspian Gull		LC
112	Laridae	Larus californicus	California Gull		LC
113	Laridae	Larus canus	Mew Gull		LC
114	Laridae	Larus cirrocephalus	Grey-headed Gull		LC
115	Laridae	Larus crassirostris	Black-tailed Gull		LC
116	Laridae	Larus delawarensis	Ring-billed Gull		LC
117	Laridae	Larus dominicanus	Kelp Gull		LC
118	Laridae	Larus fuliginosus	Lava Gull		VU
119	Laridae	Larus fuscus	Lesser Black-backed Gull		LC
120	Laridae	Larus genei	Slender-billed Gull	II	LC
121	Laridae	Larus glaucescens	Glaucous-winged Gull		LC
122	Laridae	Larus glaucoides	Iceland Gull		LC
123	Laridae	Larus hartlaubii	Hartlaub's Gull		LC

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Family	Scientific Name	Common Name		
124 Laridae	Larus heermanni	Heermann's Gull		NT
125 Laridae	Larus hemprichii	Sooty Gull	II	LC
126 Laridae	Larus hyperboreus	Glaucous Gull		LC
127 Laridae	Larus ichthyaetus	Pallas's Gull	II	LC
128 Laridae	Larus leucophthalmus	White-eyed Gull	I/II	NT
129 Laridae	Larus livens	Yellow-footed Gull		LC
130 Laridae	Larus maculipennis	Brown-hooded Gull		LC
131 Laridae	Larus marinus	Great Black-backed Gull		LC
132 Laridae	Larus melanocephalus	Mediterranean Gull	II	LC
133 Laridae	Larus michahellis	Yellow-legged Gull		LC
134 Laridae	Larus modestus	Grey Gull		LC
135 Laridae	Larus novaehollandiae	Silver Gull		LC
136 Laridae	Larus occidentalis	Western Gull		LC
137 Laridae	Larus pacificus	Pacific Gull		LC
138 Laridae	Larus philadelphia	Bonaparte's Gull		LC
139 Laridae	Larus pipixcan	Franklin's Gull		LC
140 Laridae	Larus relictus	Relict Gull	I	VU
141 Laridae	Larus ridibundus	Black-headed Gull		LC
142 Laridae	Larus saundersi			NA
143 Laridae	Larus schistisagus	Slaty-backed Gull		LC
144 Laridae	Larus scopulinus			NA
145 Laridae	Larus scoresbii	Dolphin Gull		LC
146 Laridae	Larus serranus	Andean Gull		LC
147 Laridae	Larus smithsonianus	Arctic Herring Gull		LC
148 Laridae	Larus thayeri	Thayer's Gull		LC
149 Laridae	Onychoprion aleuticus	Aleutian Tern		VU
150 Laridae	Onychoprion anaethetus	Bridled Tern		LC
151 Laridae	Onychoprion fuscatus	Sooty Tern		LC
152 Laridae	Onychoprion lunatus	Grey-backed Tern		LC
153 Laridae	Pagophila eburnea	Ivory Gull		NT
154 Laridae	Phaetusa simplex	Large-billed Tern		LC
155 Laridae	Procelsterna cerulea	Blue Noddy		LC
156 Laridae	Rhodostethia rosea	Ross's Gull		LC
157 Laridae	Rissa brevirostris	Red-legged Kittiwake		VU
158 Laridae	Rissa tridactyla	Black-legged Kittiwake		VU
159 Laridae	Rynchops niger	Black Skimmer		LC
160 Laridae	Saundersilarus saundersi	Saunders's Gull	I	VU
161 Laridae	Sterna dougallii	Roseate Tern	II	LC
162 Laridae	Sterna forsteri	Forster's Tern		LC
163 Laridae	Sterna hirundinacea	South American Tern		LC
164 Laridae	Sterna hirundo	Common Tern	II	LC

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Family	Scientific Name	Common Name			
165	Laridae	<i>Sterna paradisaea</i>	Arctic Tern	II	LC
166	Laridae	<i>Sterna repressa</i>	White-cheeked Tern	II	LC
167	Laridae	<i>Sterna striata</i>	White-fronted Tern		LC
168	Laridae	<i>Sterna sumatrana</i>	Black-naped Tern		LC
169	Laridae	<i>Sterna trudeaui</i>	Snowy-crowned Tern		LC
170	Laridae	<i>Sterna virgata</i>	Kerguelen Tern		NT
171	Laridae	<i>Sterna vittata</i>	Antarctic Tern		LC
172	Laridae	<i>Sternula albifrons</i>	Little Tern	II	LC
173	Laridae	<i>Sternula antillarum</i>	Least Tern		LC
174	Laridae	<i>Sternula balaenarum</i>	Damara Tern	II	VU
175	Laridae	<i>Sternula lorata</i>	Peruvian Tern	I	EN
176	Laridae	<i>Sternula nereis</i>	Fairy Tern		VU
177	Laridae	<i>Sternula saundersi</i>	Saunders's Tern	II	LC
178	Laridae	<i>Thalasseus bengalensis</i>	Lesser Crested Tern	II	LC
179	Laridae	<i>Thalasseus bergii</i>	Greater Crested Tern	II	LC
180	Laridae	<i>Thalasseus bernsteini</i>	Chinese Crested Tern	I	CR
181	Laridae	<i>Thalasseus elegans</i>	Elegant Tern		NT
182	Laridae	<i>Thalasseus maximus</i>	Royal Tern	II	LC
183	Laridae	<i>Thalasseus sandvicensis</i>	Sandwich Tern	II	LC
184	Laridae	<i>Xema sabini</i>	Sabine's Gull		LC
185	Oceanitidae	<i>Fregetta grallaria</i>	White-bellied Storm-petrel		LC
186	Oceanitidae	<i>Fregetta maoriana</i>	New Zealand Storm-petrel		CR
187	Oceanitidae	<i>Fregetta tropica</i>	Black-bellied Storm-petrel		LC
188	Oceanitidae	<i>Garrodia nereis</i>	Grey-backed Storm-petrel		LC
189	Oceanitidae	<i>Nesofregetta fuliginosa</i>	Polynesian Storm-petrel		EN
190	Oceanitidae	<i>Oceanites gracilis</i>	White-vented Storm-petrel		DD
191	Oceanitidae	<i>Oceanites oceanicus</i>	Wilson's Storm-petrel		LC
192	Oceanitidae	<i>Pelagodroma marina</i>	White-faced Storm-petrel		LC
193	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian Pelican		LC
194	Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican		LC
195	Pelecanidae	<i>Pelecanus occidentalis</i>	Brown Pelican		LC
196	Pelecanidae	<i>Pelecanus onocrotalus</i>	Great White Pelican	I/II	LC
197	Pelecanidae	<i>Pelecanus thagus</i>	Peruvian Pelican		NT
198	Phaethontidae	<i>Phaethon aethereus</i>	Red-billed Tropicbird		LC
199	Phaethontidae	<i>Phaethon lepturus</i>	White-tailed Tropicbird		LC
200	Phaethontidae	<i>Phaethon rubricauda</i>	Red-tailed Tropicbird		LC
201	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	Little Pied Cormorant		LC
202	Phalacrocoracidae	<i>Phalacrocorax aristotelis</i>	European Shag		LC
203	Phalacrocoracidae	<i>Phalacrocorax atriceps</i>	Imperial Shag		LC
204	Phalacrocoracidae	<i>Phalacrocorax auritus</i>	Double-crested Cormorant		LC
205	Phalacrocoracidae	<i>Phalacrocorax brasilianus</i>	Neotropical Cormorant		LC

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Family	Scientific Name	Common Name		
206	Phalacrocoracidae	Phalacrocorax capensis		EN
207	Phalacrocoracidae	Phalacrocorax capillatus		LC
208	Phalacrocoracidae	Phalacrocorax carbo		LC
209	Phalacrocoracidae	Phalacrocorax magellanicus		LC
210	Phalacrocoracidae	Phalacrocorax nigrogularis	II	VU
211	Phalacrocoracidae	Phalacrocorax pelagicus		LC
212	Phalacrocoracidae	Phalacrocorax penicillatus		LC
213	Phalacrocoracidae	Phalacrocorax urile		LC
214	Phalacrocoracidae	Phalacrocorax verrucosus		LC
215	Podicipedidae	Podiceps auritus	II	VU
216	Podicipedidae	Podiceps cristatus		LC
217	Podicipedidae	Podiceps grisegena	II	LC
218	Podicipedidae	Podiceps nigricollis		LC
219	Procellariidae	Aphrodroma brevirostris		LC
220	Procellariidae	Ardenna bulleri		VU
221	Procellariidae	Ardenna carneipes		NT
222	Procellariidae	Ardenna creatopus	I	VU
223	Procellariidae	Ardenna gravis		LC
224	Procellariidae	Ardenna grisea		NT
225	Procellariidae	Ardenna pacifica		LC
226	Procellariidae	Ardenna tenuirostris		LC
227	Procellariidae	Bulweria bulwerii		LC
228	Procellariidae	Bulweria fallax		NT
229	Procellariidae	Calonectris borealis		LC
230	Procellariidae	Calonectris diomedea		LC
231	Procellariidae	Calonectris edwardsii		NT
232	Procellariidae	Calonectris leucomelas		NT
233	Procellariidae	Daption capense		LC
234	Procellariidae	Fulmarus glacialis		LC
235	Procellariidae	Fulmarus glacialoides		LC
236	Procellariidae	Halobaena caerulea		LC
237	Procellariidae	Macronectes giganteus	II	LC
238	Procellariidae	Macronectes halli	II	LC
239	Procellariidae	Pachyptila belcheri		LC
240	Procellariidae	Pachyptila crassirostris		LC
241	Procellariidae	Pachyptila desolata		LC
242	Procellariidae	Pachyptila macgillivrayi		EN
243	Procellariidae	Pachyptila salvini		LC
244	Procellariidae	Pachyptila turtur		LC
245	Procellariidae	Pachyptila vittata		LC
246	Procellariidae	Pagodroma nivea		LC

			CMS Appendix (as of Aug 7 2018)		
Family	Scientific Name	Common Name		IUCN Red List Status	
247	Procellariidae	Pelecanoides garnotii	Peruvian Diving-petrel	I	EN
248	Procellariidae	Pelecanoides georgicus	South Georgia Diving-petrel		LC
249	Procellariidae	Pelecanoides magellani	Magellanic Diving-petrel		LC
250	Procellariidae	Pelecanoides urinatrix	Common Diving-petrel		LC
251	Procellariidae	Procellaria aequinoctialis	White-chinned Petrel	II	VU
252	Procellariidae	Procellaria cinerea	Grey Petrel	II	NT
253	Procellariidae	Procellaria conspicillata	Spectacled Petrel	II	VU
254	Procellariidae	Procellaria parkinsoni	Black Petrel	II	VU
255	Procellariidae	Procellaria westlandica	Westland Petrel	II	EN
256	Procellariidae	Pseudobulweria aterrima	Mascarene Petrel		CR
257	Procellariidae	Pseudobulweria becki	Beck's Petrel		CR
258	Procellariidae	Pseudobulweria macgillivrayi	Fiji Petrel		CR
259	Procellariidae	Pseudobulweria rostrata	Tahiti Petrel		NT
260	Procellariidae	Pterodroma alba	Phoenix Petrel		EN
261	Procellariidae	Pterodroma arminjoniana	Trindade Petrel		VU
262	Procellariidae	Pterodroma atrata	Henderson Petrel	I	EN
263	Procellariidae	Pterodroma axillaris	Chatham Petrel		VU
264	Procellariidae	Pterodroma barau	Barau's Petrel		EN
265	Procellariidae	Pterodroma brevipes	Collared Petrel		VU
266	Procellariidae	Pterodroma cahow	Bermuda Petrel	I	EN
267	Procellariidae	Pterodroma caribbaea	Jamaican Petrel		CR
268	Procellariidae	Pterodroma cervicalis	White-necked Petrel		VU
269	Procellariidae	Pterodroma cookii	Cook's Petrel		VU
270	Procellariidae	Pterodroma defilippiana	Masatierra Petrel		VU
271	Procellariidae	Pterodroma deserta	Desertas Petrel		VU
272	Procellariidae	Pterodroma externa	Juan Fernandez Petrel		VU
273	Procellariidae	Pterodroma feae	Cape Verde Petrel		NT
274	Procellariidae	Pterodroma gouldi	Grey-faced Petrel		LC
275	Procellariidae	Pterodroma hasitata	Black-capped Petrel		EN
276	Procellariidae	Pterodroma heraldica	Herald Petrel		LC
277	Procellariidae	Pterodroma hypoleuca	Bonin Petrel		LC
278	Procellariidae	Pterodroma incerta	Atlantic Petrel		EN
279	Procellariidae	Pterodroma inexpectata	Mottled Petrel		NT
280	Procellariidae	Pterodroma lessonii	White-headed Petrel		LC
281	Procellariidae	Pterodroma leucoptera	White-winged Petrel		VU
282	Procellariidae	Pterodroma longirostris	Stejneger's Petrel		VU
283	Procellariidae	Pterodroma macroptera	Great-winged Petrel		LC
284	Procellariidae	Pterodroma madeira	Zino's Petrel		EN
285	Procellariidae	Pterodroma magentae	Magenta Petrel		CR
286	Procellariidae	Pterodroma mollis	Soft-plumaged Petrel		LC
287	Procellariidae	Pterodroma neglecta	Kermadec Petrel		LC

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Family	Scientific Name	Common Name		
288	Procellariidae	<i>Pterodroma nigripennis</i>		LC
289	Procellariidae	<i>Pterodroma phaeopygia</i>	I	CR
290	Procellariidae	<i>Pterodroma pycrofti</i>		VU
291	Procellariidae	<i>Pterodroma sandwichensis</i>	I	VU
292	Procellariidae	<i>Pterodroma solandri</i>		VU
293	Procellariidae	<i>Pterodroma ultima</i>		NT
294	Procellariidae	<i>Puffinus assimilis</i>		LC
295	Procellariidae	<i>Puffinus auricularis</i>		CR
296	Procellariidae	<i>Puffinus bailloni</i>		LC
297	Procellariidae	<i>Puffinus bannermani</i>		EN
298	Procellariidae	<i>Puffinus bryani</i>		CR
299	Procellariidae	<i>Puffinus elegans</i>		LC
300	Procellariidae	<i>Puffinus gavia</i>		LC
301	Procellariidae	<i>Puffinus heinrothi</i>		VU
302	Procellariidae	<i>Puffinus huttoni</i>		EN
303	Procellariidae	<i>Puffinus lherminieri</i>		LC
304	Procellariidae	<i>Puffinus mauretanicus</i>	I	CR
305	Procellariidae	<i>Puffinus nativitatis</i>		LC
306	Procellariidae	<i>Puffinus newelli</i>		EN
307	Procellariidae	<i>Puffinus opisthomelas</i>		NT
308	Procellariidae	<i>Puffinus persicus</i>		LC
309	Procellariidae	<i>Puffinus puffinus</i>		LC
310	Procellariidae	<i>Puffinus subalaris</i>		LC
311	Procellariidae	<i>Puffinus yelkouan</i>		VU
312	Procellariidae	<i>Thalassoica antarctica</i>		LC
313	Scolopacidae	<i>Phalaropus fulicarius</i>	II	LC
314	Scolopacidae	<i>Phalaropus lobatus</i>	II	LC
315	Spheniscidae	<i>Aptenodytes forsteri</i>		NT
316	Spheniscidae	<i>Aptenodytes patagonicus</i>		LC
317	Spheniscidae	<i>Eudyptes chrysocome</i>		VU
318	Spheniscidae	<i>Eudyptes chrysolophus</i>		VU
319	Spheniscidae	<i>Eudyptes moseleyi</i>		EN
320	Spheniscidae	<i>Eudyptes pachyrhynchus</i>		VU
321	Spheniscidae	<i>Eudyptes robustus</i>		VU
322	Spheniscidae	<i>Eudyptes sclateri</i>		EN
323	Spheniscidae	<i>Eudyptula minor</i>		LC
324	Spheniscidae	<i>Pygoscelis adeliae</i>		LC
325	Spheniscidae	<i>Pygoscelis antarcticus</i>		LC
326	Spheniscidae	<i>Pygoscelis papua</i>		LC
327	Spheniscidae	<i>Spheniscus demersus</i>	II	EN
328	Spheniscidae	<i>Spheniscus humboldti</i>	I	VU

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Family	Scientific Name	Common Name		
329 Spheniscidae	<i>Spheniscus magellanicus</i>	Magellanic Penguin		NT
330 Stercorariidae	<i>Catharacta antarctica</i>	Brown Skua		LC
331 Stercorariidae	<i>Catharacta chilensis</i>	Chilean Skua		LC
332 Stercorariidae	<i>Catharacta maccormicki</i>	South Polar Skua		LC
333 Stercorariidae	<i>Catharacta skua</i>	Great Skua		LC
334 Stercorariidae	<i>Stercorarius longicaudus</i>	Long-tailed Jaeger		LC
335 Stercorariidae	<i>Stercorarius parasiticus</i>	Arctic Jaeger		LC
336 Stercorariidae	<i>Stercorarius pomarinus</i>	Pomarine Jaeger		LC
337 Sulidae	<i>Morus bassanus</i>	Northern Gannet		LC
338 Sulidae	<i>Morus capensis</i>	Cape Gannet		EN
339 Sulidae	<i>Morus serrator</i>	Australasian Gannet		LC
340 Sulidae	<i>Papasula abbotti</i>	Abbott's Booby		EN
341 Sulidae	<i>Sula dactylatra</i>	Masked Booby		LC
342 Sulidae	<i>Sula granti</i>	Nazca Booby		LC
343 Sulidae	<i>Sula leucogaster</i>	Brown Booby		LC
344 Sulidae	<i>Sula nebouxii</i>	Blue-footed Booby		LC
345 Sulidae	<i>Sula sula</i>	Red-footed Booby		LC
346 Sulidae	<i>Sula variegata</i>	Peruvian Booby		LC

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Family	Scientific Name	Common Name	(as of Aug 7 2018)	IUCN Red List Status
1 Cheloniidae	<i>Caretta caretta</i>	Loggerhead Turtle	I/II	VU
2 Cheloniidae	<i>Chelonia mydas</i>	Green Turtle	I/II	EN
3 Cheloniidae	<i>Eretmochelys imbricata</i>	Hawksbill Turtle	I/II	CR
4 Cheloniidae	<i>Lepidochelys kempii</i>	Kemp's Ridley	I/II	CR
5 Cheloniidae	<i>Lepidochelys olivacea</i>	Olive Ridley	I/II	VU
6 Cheloniidae	<i>Natator depressus</i>	Flatback	II	DD
7 Dermochelyidae	<i>Dermochelys coriacea</i>	Leatherback	I/II	VU

Appendix 3: Weblinks for online resources

Website listings for processes, databases and repositories mentioned in this paper.

Databases of Area-based Management Tools related to ABNJ

- UN Food and Agriculture Organization's Vulnerable Marine Ecosystems Database
 - www.fao.org/in-action/vulnerable-marine-ecosystems/vme-database
- Ecologically or Biologically Significant Area (EBSA) Repository
 - <https://www.cbd.int/ebsa/>

Range maps of species

- Global Registry of Migratory Species
 - <http://www.groms.de/>
- IUCN
 - <http://www.iucnredlist.org/technical-documents/spatial-data>
- BirdLife International
 - <http://datazone.birdlife.org/home>
- AquaMaps (modeled range and distribution maps)
 - <http://aquamaps.org>
- State of the World's Sea Turtles
 - <http://seamap.env.duke.edu/swot>

Marine animal tracking data repositories

- United States' Animal Telemetry Network
 - <https://atn.ioos.us>
- Australia's Integrated Marine Observing System Animal Tracking Database
 - <https://animaltracking.aodn.org.au>
- BirdLife International's Seabird Tracking Database
 - <http://seabirdtracking.org>
- OBIS-SEAMAP
 - <http://seamap.env.duke.edu>
- Ocean Tracking Network
 - <http://oceantrackingnetwork.org/>
- Movebank
 - <http://movebank.org>
- Satellite Tracking and Analysis Tool
 - <http://www.seaturtle.org>

Migratory Connectivity in the Ocean (MiCO)

<http://mico.eco/>