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## **Trends in global shared fisheries**

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**Table S1. List of shared fish taxa**

<b>Common name</b>	<b>Taxon name</b>
Alaska pollack	<i>Theragra chalcogramma</i>
Albacore	<i>Thunnus alalunga</i>
Alfonsino	<i>Beryx decadactylus</i>
Alfonsinos	Berycidae, <i>Beryx</i>
American plaice	<i>Hippoglossoides platessoides</i>
Anchoveta	<i>Engraulis ringens</i>
Anchovies	Engraulidae
Arctic skate	<i>Amblyraja hyperborean</i>
Argentine	<i>Argentina sphyraena</i>
Argentine hake	<i>Merluccius hubbsi</i>
Argentine shortfin squid	<i>Illex argentinus</i>
Argentines	<i>Argentina</i> spp.
Atlantic blue marlin	<i>Makaira nigricans</i>
Atlantic cod	<i>Gadus morhua</i>
Atlantic halibut	<i>Hippoglossus hippoglossus</i>
Atlantic herring	<i>Clupea harengus</i>
Atlantic horse mackerel	<i>Trachurus trachurus</i>
Atlantic mackerel	<i>Scomber scombrus</i>
Atlantic pomfret	<i>Brama brama</i>
Atlantic sailfish	<i>Istiophorus albicans</i>
Atlantic saury	<i>Scomberesox saurus</i>
Atlantic thornyhead	<i>Trachyscorpia cristulata cristulata</i>
Atlantic white marlin	<i>Tetrapturus albidus</i>
Baird's smooth-head	<i>Alepocephalus bairdii</i>
Bali sardinella	<i>Sardinella lemuru</i>
Baltic sprat	<i>Sprattus sprattus balticus</i>
Barracudas	<i>Sphyraena</i> spp.
Bigeye grenadier	<i>Macrourus holotrachys</i>
Bigeye scad	<i>Selar crumenophthalmus</i>
Bigeye thresher	<i>Alopias superciliosus</i>
Bigeye tuna	<i>Thunnus obesus</i>
Black marlin	<i>Makaira indica</i>
Black oreo	<i>Allocyttus niger</i>
Black scabbardfish	<i>Aphanopus carbo</i>
Blackfin tuna	<i>Thunnus atlanticus</i>
Blackmouth catshark	<i>Galeus melastomus</i>
Blackspot seabream	<i>Pagellus bogaraveo</i>
Blue antimora	<i>Antimora rostrata</i>
Blue grenadier	<i>Macruronus novaezelandiae</i>
Blue jack mackerel	<i>Trachurus picturatus</i>
Blue ling	<i>Molva dypterygia</i>
Blue whiting	<i>Micromesistius poutassou</i>
Bluespotted seabream	<i>Pagrus caeruleostictus</i>

Bluntnose sixgill shark	<i>Hexanchus griseus</i>
Bombay duck	<i>Harpadon nehereus</i>
Bramble, sleeper, dogfish sharks	Squaliformes
Bullet tuna	<i>Auxis rochei</i>
Cape Hope squid	<i>Loligo vulgaris</i>
Cape horse mackerel	<i>Trachurus capensis</i>
Capelin	<i>Mallotus villosus</i>
Cardinalfishes	<i>Epigonus</i> spp.
Cero	<i>Scomberomorus regalis</i>
Chacunda gizzard shad	<i>Anodontostoma chacunda</i>
Chub mackerel	<i>Scomber japonicus</i>
Common cuttlefish	<i>Sepia officinalis</i>
Common dolphinfish	<i>Coryphaena hippurus</i>
Common mora	<i>Mora moro</i>
Common pandora	<i>Pagellus erythrinus</i>
Common seabream	<i>Pagrus pagrus</i>
Common squids	Loliginidae, <i>Loligo</i> spp.
Conger eels	<i>Muraenesox</i> spp.
Cutlass fishes	<i>Trachurus</i> spp.
Cutlassfishes	Trichiuridae
Deepsea crabs	<i>Geryon</i> spp.
Deepwater redfish	<i>Sebastes mentella</i>
Deepwater rose shrimp	<i>Parapenaeus longirostris</i>
Eelpouts	<i>Lycodes</i> spp.
Escolar	<i>Lepidocybium flavobrunneum</i>
European anchovy	<i>Engraulis encrasicolus</i>
European hake	<i>Merluccius merluccius</i>
European pilchard	<i>Sardina pilchardus</i>
European sprat	<i>Sprattus sprattus</i>
Filefishes	Monacanthidae, <i>Cantherhines</i>
Flyingfishes	Exocoetidae
Forkbeard	<i>Phycis phycis</i>
Frigate tuna	<i>Auxis</i> spp., <i>Auxis thazard</i>
Giant red shrimp	<i>Aristaeomorpha foliacea</i>
Goldstripe sardinella	<i>Sardinella gibbosa</i>
Greater argentine	<i>Argentina silus</i>
Greenland halibut	<i>Reinhardtius hippoglossoides</i>
Greenland shark	<i>Somniosus microcephalus</i>
Grenadiers	<i>Macrourus</i> spp.
Grenadiers or rattails	Macrouridae
Gulper shark	<i>Centrophorus granulosus</i>
Haddock	<i>Melanogrammus aeglefinus</i>
Hammerhead sharks	<i>Sphyrna</i> spp.
Hammerhead, bonnethead, scoophead shark	Sphyrnidae
Herrings, sardines, anchovies	Clupeoids

Hilsa shad	<i>Tenualosa ilisha</i>
Horned and musky octopuses	<i>Eledone</i> spp.
Horned octopus	<i>Eledone cirrhosa</i>
Inca scad	<i>Trachurus murphyi</i>
Indian mackerel	<i>Rastrelliger kanagurta</i>
Indian oil sardine	<i>Sardinella longiceps</i>
Indian scad	<i>Decapterus russelli</i>
Indo-Pacific blue marlin	<i>Makaira mazara</i>
Jacks	<i>Caranx</i> spp.
Jacks and pompanos	Carangidae
Japanese anchovy	<i>Engraulis japonicus</i>
Japanese flying squid	<i>Todarodes pacificus</i>
Japanese jack mackerel	<i>Trachurus japonicus</i>
Japanese sardinella	<i>Sardinella zunasi</i>
Jumbo flying squid	<i>Dosidicus gigas</i>
Kawakawa	<i>Euthynnus affinis</i>
Kelee shad	<i>Hilsa kelee</i>
King gar	<i>Scomberesox saurus scombroides</i>
King mackerel	<i>Scomberomorus cavalla</i>
Kitefin shark	<i>Dalatias licha</i>
Knifetooth dogfish	<i>Scymnodon ringens</i>
Lanternfishes	Myctophidae
Lanternsharks	<i>Etmopterus</i> spp.
Large-eyed rabbitfish	<i>Hydrolagus mirabilis</i>
Largehead hairtail	<i>Trichiurus lepturus</i>
Leafscale gulper shark	<i>Centrophorus squamosus</i>
Little tunny	<i>Euthynnus alletteratus</i>
Longbill spearfish	<i>Tetrapturus pfluegeri</i>
Longfin squid	<i>Loligo pealeii</i>
Longtail tuna	<i>Thunnus tonggol</i>
Mackerels	<i>Scomber</i> spp.
Mackerels, tunas, bonitos	Scombridae
Marbled rockcod	<i>Notothenia rossii</i>
Mediterranean slimehead	<i>Hoplostethus mediterraneus mediterraneus</i>
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>
Neon flying squid	<i>Ommastrephes bartramii</i>
Northern bluefin tuna	<i>Thunnus thynnus</i>
Northern prawn	<i>Pandalus borealis</i>
Northern shortfin squid	<i>Illex illecebrosus</i>
Norway lobster	<i>Nephrops norvegicus</i>
Norway redfish	<i>Sebastes viviparus</i>
Octopuses	Octopodidae, Octopus
Oilfish	<i>Ruvettus pretiosus</i>
Onion-eye grenadier	<i>Macrourus berglax</i>
Orange roughy	<i>Hoplostethus atlanticus</i>

Oreos	Oreosomatidae
Pacific bluefin tuna	<i>Thunnus orientalis</i>
Pacific jack mackerel	<i>Trachurus symmetricus</i>
Pacific ocean perch	<i>Sebastes alutus</i>
Pacific saury	<i>Cololabis saira</i>
Pandalus shrimps	<i>Pandalus</i> spp.
Patagonian grenadier	<i>Macruronus magellanicus</i>
Patagonian toothfish	<i>Dissostichus eleginoides</i>
Pelagic armorhead	<i>Pseudopentaceros richardsoni</i>
Pink cusk-eel	<i>Genypterus blacodes</i>
Pomfrets	Bramidae
Rabbit fish	<i>Chimaera monstrosa</i>
Rainbow runner	<i>Elagatis bipinnulata</i>
Red mullet	<i>Mullus barbatus</i>
Redbanded seabream	<i>Pagrus auriga</i>
Redfishes	<i>Sebastes</i> spp.
Requiem sharks	Carcharhinidae
Risso's smooth-head	<i>Alepocephalus rostratus</i>
Roughsnout grenadier	<i>Trachyrincus scabrus</i>
Roundnose grenadier	<i>Coryphaenoides rupestris</i>
Sailfin roughshark	<i>Oxynotus paradoxus</i>
Sardinella	<i>Sardinella</i> spp.
Saury	<i>Cololabis adocetus</i>
Scads	<i>Decapterus</i> spp.
Seabreams ( <i>Pagrus</i> spp)	<i>Pagrus</i> spp.
Seerfishes	<i>Scomberomorus</i> spp.
Sharks and rays	Elasmobranchii
Sharks, rays, skates, etc	Sharks, rays, chimaeras
Shortbill spearfish	<i>Tetrapturus angustirostris</i>
Silver pomfret	<i>Pampus argenteus</i>
Silver pomfrets	<i>Pampus</i> spp.
Silver scabbardfish	<i>Lepidopus caudatus</i>
Skates	Rajidae, Raja
Skipjack tuna	<i>Katsuwonus pelamis</i>
Smooth oreo	<i>Pseudocyttus maculatus</i>
Snake mackerels	Gempylidae
Soles	Soleidae, <i>Solea</i> spp.
South American pilchard	<i>Sardinops sagax</i>
Southern blue whiting	<i>Micromesistius australis</i>
Southern bluefin tuna	<i>Thunnus maccoyii</i>
Southern hake	<i>Merluccius australis</i>
Spanish mackerel	<i>Scomberomorus maculatus</i>
Spearnose chimaera	<i>Rhinochimaera atlantica</i>
Spiky oreo	<i>Neocyttus rhomboidalis</i>
Squids	Teuthida

Striped marlin	<i>Tetrapturus audax</i>
Swordfish	<i>Xiphias gladius</i>
Tadpole codling	<i>Salilota australis</i>
Thintail thresher	<i>Alopias vulpinus</i>
Thorntooth grenadier	<i>Lepidorhynchus denticulatus</i>
Thresher sharks	<i>Alopias</i> spp.
Torpedo scad	<i>Megalaspis cordyla</i>
Tuna	<i>Thunnus</i> spp.
Tunas, bonitos, billfishes	Scombroids
Tusk	<i>Brosme brosme</i>
Various sharks	Sharks, rays, chimaeras
Velvet belly lantern shark	<i>Etmopterus spinax</i>
Wahoo	<i>Acanthocybium solandri</i>
Whitson's grenadier	<i>Macrourus whitsoni</i>
Witch	<i>Glyptocephalus cynoglossus</i>
Wolf herring	<i>Chirocentrus</i> spp.
Wreckfish	<i>Polyprion americanus</i>
Yellow croaker	<i>Larimichthys polyactis</i>
Yellowfin tuna	<i>Thunnus albacares</i>
Yellowtail flounder	<i>Limanda ferruginea</i>
Whale shark	<i>Rhincodon typus</i>

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**Table S2. Shared fish taxa occurring in each major FAO fishing area ( 1 = present in FAO area)**

Common Name	FAO21	FAO27	FAO31	FAO34	FAO37	FAO41	FAO47	FAO51	FAO57	FAO61	FAO67	FAO71	FAO77	FAO81	FAO87	FAO48	FAO58	FAO88
Alaska pollack										1	1							
Albacore	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Alfonsino		1					1			1								
Alfonsinos		1					1			1								
Alfonsinos		1					1			1								
American plaice	1																	
Anchoveta															1			
Anchovies												1			1			
Arctic skate		1																
Argentine															1			
Argentine hake						1												
Argentine shortfin squid						1												
Argentines															1			
Atlantic blue marlin	1	1	1	1		1	1											
Atlantic cod	1	1																
Atlantic halibut	1																	
Atlantic herring		1																
Atlantic horse mackerel		1																
Atlantic mackerel	1	1																
Atlantic pomfret							1											
Atlantic sailfish	1		1	1			1											
Atlantic saury	1	1	1	1	1	1	1								1			
Atlantic thornyhead		1																
Atlantic white marlin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Baird's smooth-head		1															
Bali sardinella											1						
Baltic sprat		1															
Barracudas							1	1									
Bigeye grenadier	1																
Bigeye scad												1					
Bigeye thresher	1		1	1	1	1	1	1	1	1	1	1	1	1	1		
Bigeye tuna	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Black marlin							1	1	1	1	1	1	1	1	1		
Black oreo														1			
Black scabbardfish		1															
Blackfin tuna			1														
Blackmouth catshark		1															
Blackspot seabream		1															
Blue antimora		1															
Blue grenadier	1													1			
Blue jack mackerel											1						
Blue ling		1															
Blue whiting		1															
Bluespotted seabream									1								
Bluntnose sixgill shark	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Bombay duck									1								
Bramble, sleeper, dogfish sharks		1															
Bullet tuna	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Cape Hope squid					1												



Cape horse mackerel							1											
Capelin	1																	
Cardinalfishes							1											
Cero			1															
Chacunda gizzard shad									1									
Chub mackerel					1			1	1	1				1		1		
Common cuttlefish					1													
Common dolphinfish			1											1	1			
Common mora		1																
Common pandora					1													
Common seabream										1								
Common squids						1	1											
Common squids						1	1											
Conger eels		1																
Cutlass fishes					1													
Cutlassfishes								1	1									
Deepsea crabs		1						1										
Deepwater redfish		1																
Deepwater rose shrimp					1													
Eelpouts		1																
Escolar																	1	
European anchovy					1													
European hake					1													
European pilchard					1													
European sprat		1																

Filefishes										1							
Filefishes										1							
Flyingfishes			1					1	1					1	1		
Forkbeard		1															
Frigate tuna								1				1					
Frigate tuna	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Giant red shrimp					1												
Goldstripe sardinella												1					
Greater argentine		1															
Greenland halibut	1	1															
Greenland shark		1															
Grenadiers	1					1				1							
Grenadiers or rattails	1					1				1							
Gulper shark		1															
Haddock		1															
Hammerhead sharks	1	1	1	1	1	1	1	1	1	1		1	1	1	1		
Hammerhead, bonnethead, scoophead shark	1	1	1	1	1	1	1	1	1	1		1	1	1	1		
Herrings, sardines, anchovies															1		
Hilsa shad									1								
Horned and musky octopuses					1												
Horned octopus					1												
Inca scad															1		
Indo-Pacific bue marlin									1	1	1	1	1	1	1	1	
Indian mackerel								1	1	1		1					

Indian oil sardine								1	1									
Indian scad								1				1			1			
Jacks								1	1	1		1			1			
Jacks and pompanos								1	1	1		1			1			
Japanese anchovy										1								
Japanese flying squid										1								
Japanese jack mackerel										1	1			1				
Japanese sardinella										1								
Jumbo flying squid										1				1		1		
Kawakawa								1	1	1	1	1						
Kelee shad									1									
King gar							1	1	1	1					1	1		
King mackerel			1															
Kitefin shark		1																
Knifetooth dogfish		1																
Lanternfishes															1			
Lanternsharks		1					1											
Large-eyed rabbitfish		1																
Largehead hairtail								1	1									
Leafscale gulper shark		1																
Little tunny	1	1	1	1	1	1	1											
Longbill spearfish	1	1	1	1		1	1											
Longfin squid	1																	
Longtail tuna								1										
Mackerels							1											
Mackerels, tunas, bonitos													1					

Marbled rockcod						1										1	1	1
Mediterranean slimehead		1																
Narrow-barred Spanish mackerel											1		1					
Neon flying squid									1									
Northern bluefin tuna	1	1	1	1	1	1	1											
Northern prawn		1																
Northern shortfin squid		1		1														
Norway lobster						1												
Norway redfish			1															
Octopuses								1										
Octopuses								1										
Oilfish																1		
Onion-eye grenadier		1	1															
Orange roughy			1					1		1				1				
Oreos										1				1				
Pacific bluefin tuna										1	1	1	1	1	1	1		
Pacific jack mackerel										1	1		1					
Pacific ocean perch										1								
Pacific saury										1	1							
Pandalus shrimps		1																
Patagonian grenadier		1					1											
Patagonian toothfish							1											
Pelagic armorhead								1		1								

Pink cusk-eel							1											
Pomfrets		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Rabbit fish			1															
Rainbow runner																1		
Red mullet						1												
Redbanded seabream											1							
Redfishes		1																
Requiem sharks		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Risso's smooth-head			1															
Roughsnout grenadier		1																
Roundnose grenadier		1	1															
Sailfin roughshark			1															
Sardinella						1		1	1				1					
Saury				1	1	1	1	1	1	1	1	1	1	1	1	1		
Scads									1							1		
Seabreams (Pagrus spp)											1							
Seerfishes				1				1	1	1								
Sharks and rays				1				1							1	1		
Sharks, rays, skates, etc				1											1	1		
Shortbill spearfish									1	1	1	1	1	1	1	1		
Silver pomfret										1	1					1		
Silver pomfrets										1	1					1		
Silver scabbardfish			1													1		
Skates			1					1										
Skates			1					1										
Skipjack tuna		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

Smooth oreo											1				1			
Snake mackerels																1		
Soles						1												
Soles						1												
South American pilchard											1					1		
Southern blue whiting							1										1	1
Southern bluefin tuna		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Southern hake							1											
Spanish mackerel				1														
Spearnose chimaera			1															
Spiky oreo															1			
Squids											1							
Striped marlin									1	1	1	1	1	1	1	1		
Swordfish		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Tadpole codling							1											
Thintail thresher		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Thorntooth grenadier		1																
Thresher sharks		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Torpedo scad									1					1				
Tuna											1							
Tunas, bonitos, billfishes											1		1					
Tusk			1															
Various sharks															1	1		
Velvet belly lantern shark			1															

Wahoo				1														
Whale shark		1	1	1	1	1	1	1	1	1	1		1	1	1	1		
Whitson's grenadier		1																
Witch		1																
Wolf herring									1									
Wreckfish			1					1										
Yellow croaker										1								
Yellowfin tuna				1						1		1		1	1			
Yellowtail flounder		1																

**Table S3. Countries participating in shared fisheries in 2005 that did not have shared fisheries in 1950.**

<b>Country</b>	<b>Continent</b>
Albania	Europe
American Samoa	Oceania
Antigua and Barbuda	Caribbean
Aruba	Caribbean
Bahrain	Asia
Bangladesh	Asia
Belize	Caribbean
Benin	Africa
Bermuda	Caribbean
British Virgin Islands	North America
Bulgaria	Europe
Cape Verde	Africa
Cook Islands	Oceania
Costa Rica	Caribbean
Cote d'Ivoire	Africa
Djibouti	Africa
Dominica	Caribbean
Dominican Republic	Caribbean
El Salvador	North America
Eritrea	Africa
Falkland Islands	South America
French Guiana	Caribbean
Gabon	Africa
Gaza Strip	Asia
Ghana	Africa
Guatemala	Caribbean
Guinea	Africa
Guyana	South America
Honduras	Caribbean
Iran	Asia
Jordan	Asia
Kenya	Africa
Kiribati	Oceania
Kuwait	Asia
Liberia	Africa
Marshall Islands	Oceania
Mauritius	Africa
Mayotte	Africa
Micronesia	Oceania
Namibia	Africa
Nauru	Oceania
New Caledonia	Oceania



Nicaragua	Caribbean
Nigeria	Africa
Niue	Oceania
Oman	Asia
Palau	Oceania
Panama	Caribbean
Puerto Rico	Caribbean
Qatar	Asia
Republic of the Congo	Africa
Samoa	Oceania
Sao Tome and Principe	Africa
Senegal	Africa
Solomon Islands	Oceania
South Korea	Asia
St Helena	Africa
St Kitts and Nevis	Caribbean
St Lucia	Caribbean
St Vincent	Caribbean
Syria	Asia
Tanzania	Africa
Thailand	Asia
Timor-Leste	Asia
Togo	Africa
Tonga	Oceania
Trinidad and Tobago	Caribbean
Tuvalu	Oceania
US Virgin Islands	Caribbean

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