



FEDERATION OF
EUROPEAN
AQUACULTURE
PRODUCERS

European Aquaculture Production Report 2016-2022 (V1.1)

Prepared by the FEAP secretariat (31 December 2023)

FEAP Production Report - 2023



The Member Associations of the FEAP provide production data for the activities of their national producers on an annual basis.

The FEAP Secretariat groups this information into European and National reports on production for publication in this document. The information and figures used for the preparation of this report have been provided, for the most part, by the Member Associations of the FEAP while additional data has been sourced from National statistical offices and/or other national sources.

For further statistical information on aquaculture production and values, the FAO provides a wide range of data for global aquaculture and fisheries statistics (FISHSTAT) while Globefish, another initiative of the FAO, represents a network of regional marketing information services that provides data on markets and prices. European trade data can be accessed through EUMOFA – the European Market Observatory for Fisheries and Aquaculture Products (see www.eumofa.eu) and EUROSTAT. This FEAP Production report is split up in 2 sections and covers the period 2015-2021.

Production by country

- Total European production (including EU and non-EU countries)
- EU Member States production
- Non-EU European States production

The individual member countries of FEAP for which detailed production information is covered by this report are :

Belgium	Denmark	Greece	Italy	Poland	Switzerland
Croatia	Finland	Hungary	Malta	Portugal	Turkiye
Cyprus	France	Iceland	Netherlands	Spain	United Kingdom
Czech Republic	Germany	Ireland	Norway	Sweden	

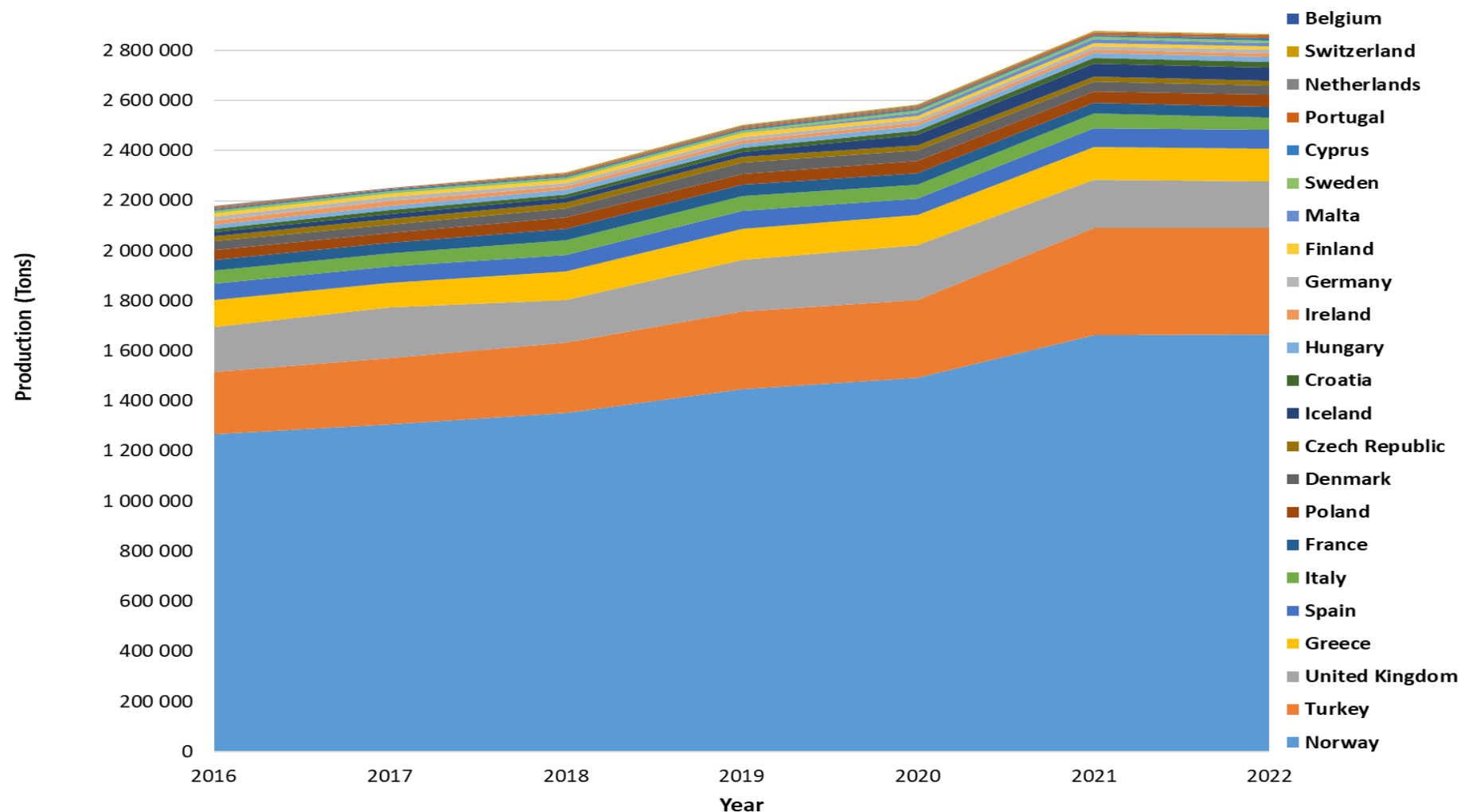
- Some total figures may differ from National figures due to some minor species included in the Total production and not in the National one.
- Credits for fish species illustrations : © Scandinavian Fishing Year Book and © Joseph R. Tomelleri.

Fish Farming Production in Europe



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Norway	1,267,751	1,306,603	1,353,730	1,447,291	1,492,000	1,661,574	1,664,300
Turkey	247,754	263,500	279,000	310,300	310,800	427,800	427,800
Utd. Kingdom	179,887	204,277	171,095	204,119	219,396	193,920	184,620
Greece	106,874	96,611	113,107	124,700	122,100	130,650	131,800
Spain	64,719	64,607	67,425	73,104	63,176	70,231	73,460
Iceland	16,700	20,776	19,077	20,594	40,324	52,799	50,796
Italy	53,790	53,600	58,550	56,815	55,550	57,855	50,330
Poland	37,811	38,886	42,969	44,871	49,195	44,197	46,734
France	42,971	42,977	45,841	46,272	44,860	44,789	42,439
Denmark	35,272	33,654	37,685	44,895	43,898	38,498	38,498
Croatia	13,500	13,914	15,491	17,118	17,373	23,390	25,335
Czech Republic	20,006	21,689	21,747	20,986	20,348	20,616	19,143
Hungary	15,699	17,517	17,859	16,843	18,478	17,932	18,316
Finland	13,187	12,314	12,835	13,116	12,358	14,200	14,700
Ireland	17,300	20,305	13,041	12,100	14,000	14,000	14,100
Malta	-	-	-	-	11 790	11,790	14,000
Germany	14,875	14,875	13,805	13,628	13,758	13,758	13,854
Portugal	4,834	5,500	4,448	7,588	7,134	8,777	10,899
Sweden	11,000	9,919	9,914	10,406	10,610	10,410	9,210
Cyprus	6,590	6,512	6,500	8,004	7,500	7,500	7,455
Netherlands	6,285	2,912	4,970	5,230	5,270	5,270	4,550
Switzerland	-	-	1,913	2,463	2,354	2,486	2,453
Belgium	230	247	265	270	320	280	280
Grand total	2,177,035	2,251,195	2,311,299	2,500,713	2,582,592	2,872,722	2,865,072

Fish Farming Production in Europe





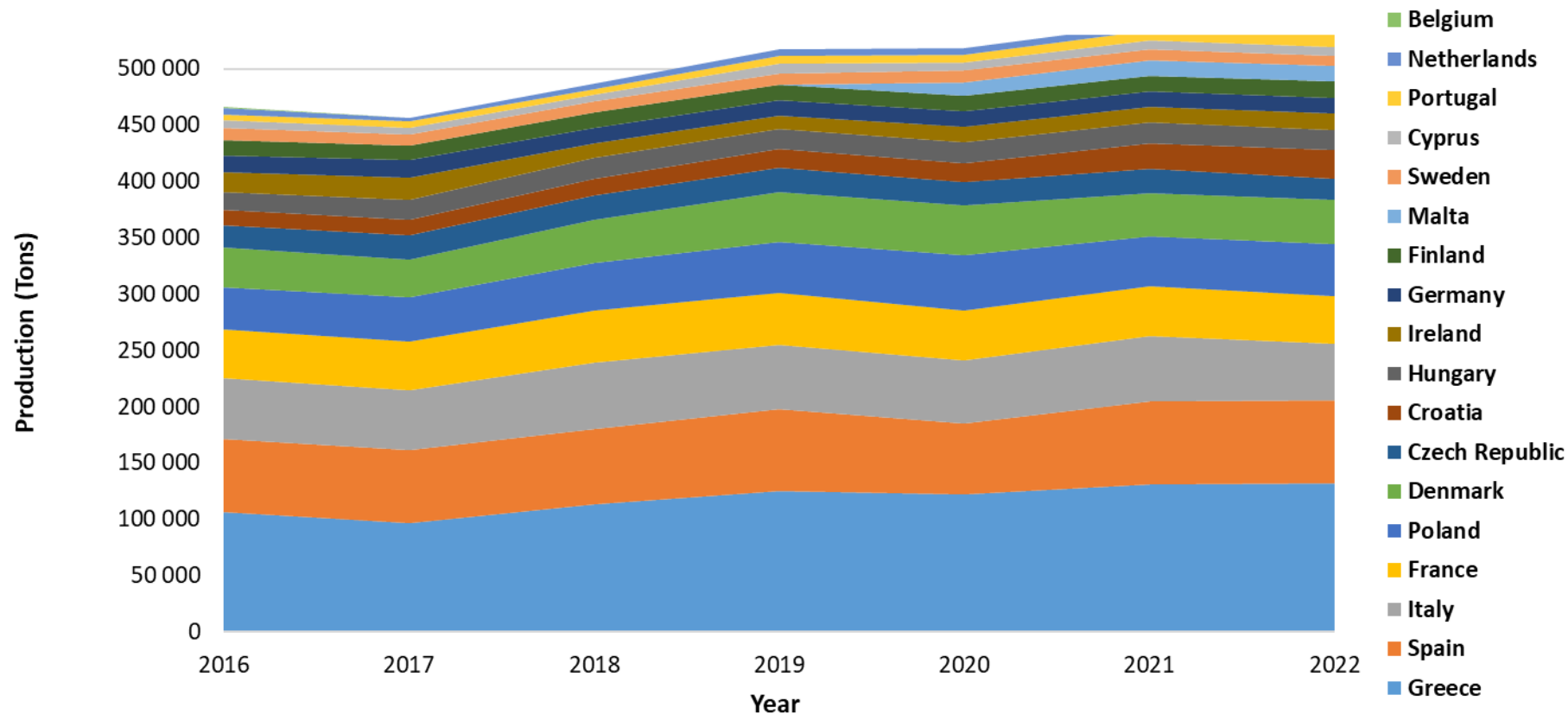
Fish Farming Production in EU countries



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Greece	106,874	96,611	113,107	124,700	122,100	130,650	131,800
Spain	64,719	64,607	67,425	73,104	63,176	70,231	73,460
Italy	53,790	53,600	58,550	56,815	55,550	57,855	50,330
Poland	37,811	38,886	42,969	44,871	49,195	44,197	46,734
France	42,971	42,977	45,841	46,272	44,860	44,789	42,439
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Croatia	13,500	13,914	15,491	17,118	17,373	23,390	25,335
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Hungary	15,699	17,517	17,859	16,843	18,478	17,932	18,316
Finland	13,187	12,314	12,835	13,116	12,358	14,200	14,700
Ireland	17,300	20,305	13,041	12,100	14,000	14,000	14,100
Malta	-	-	-	-	11,790	11,790	14,000
Germany	14,875	14,875	13,805	13,628	13,758	13,758	13,854
Portugal	4,834	5,500	4,480	7,588	7,134	8,777	10,899
Sweden	11,000	9,919	9,914	10,406	10,610	10,410	9,210
Cyprus	6,590	6,512	6,500	8,004	7,500	7,500	7,455
Netherlands	6,285	2,912	4,970	5,230	5,270	5,270	4,550
Belgium	230	247	265	270	320	280	280
Grand total	464,943	456,039	486,484	515,946	517,718	534,143	535,103



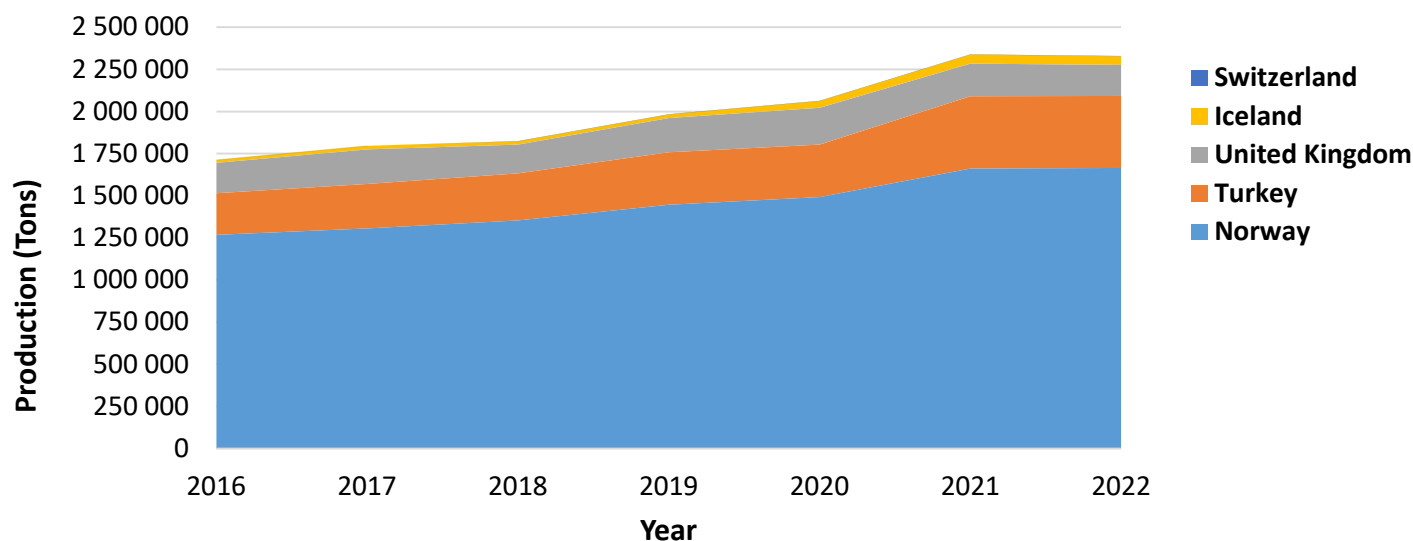
Fish Farming Production in EU countries



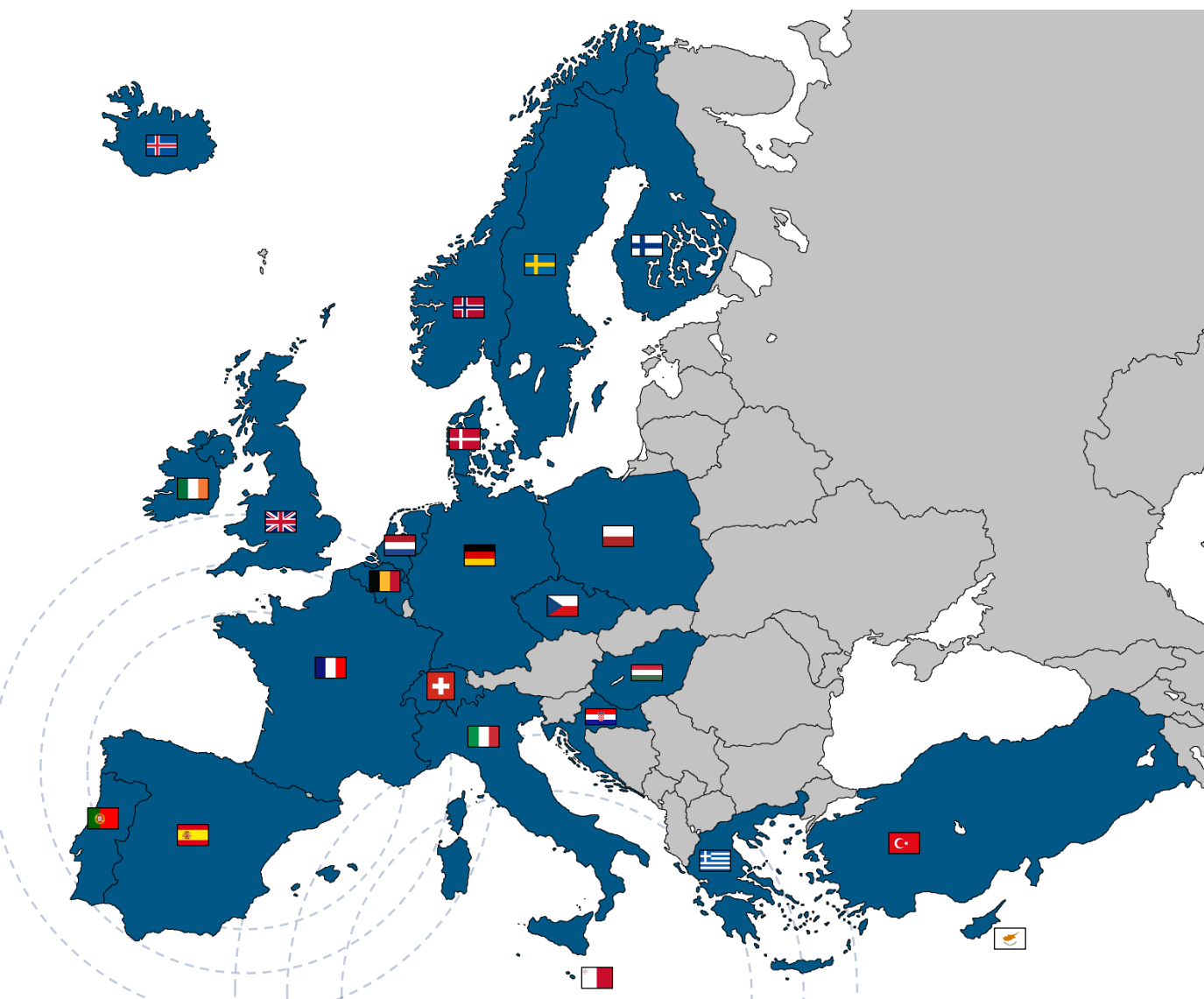
Fish Farming Production in non-EU countries



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Norway	1,267,751	1,306,603	1,353,730	1,447,291	1,492,000	1,661,574	1,664,300
Turkey	247,754	263,500	279,000	310,300	310,800	427,800	427,800
Utd. Kingdom	179,887	204,277	171,095	204,119	219,396	193,920	184,620
Iceland	16,700	20,776	19,077	20,594	40,324	52,799	50,796
Switzerland	-	-	1,913	2,463	2,354	2,486	2,453
Grand total	1,712,092	1,795,156	1,824,815	1,984,767	2,064,874	2,338,579	2,329,969



Fish Farming Production by country



Member associations in 2022

-  Belgium
-  Croatia
-  Cyprus
-  Czech Republic
-  Denmark
-  Finland
-  France
-  Germany
-  Greece
-  Hungary
-  Iceland
-  Ireland
-  Italy
-  Malta
-  Netherlands
-  Norway
-  Poland
-  Portugal
-  Spain
-  Sweden
-  Switzerland
-  Turkey
- United Kingdom

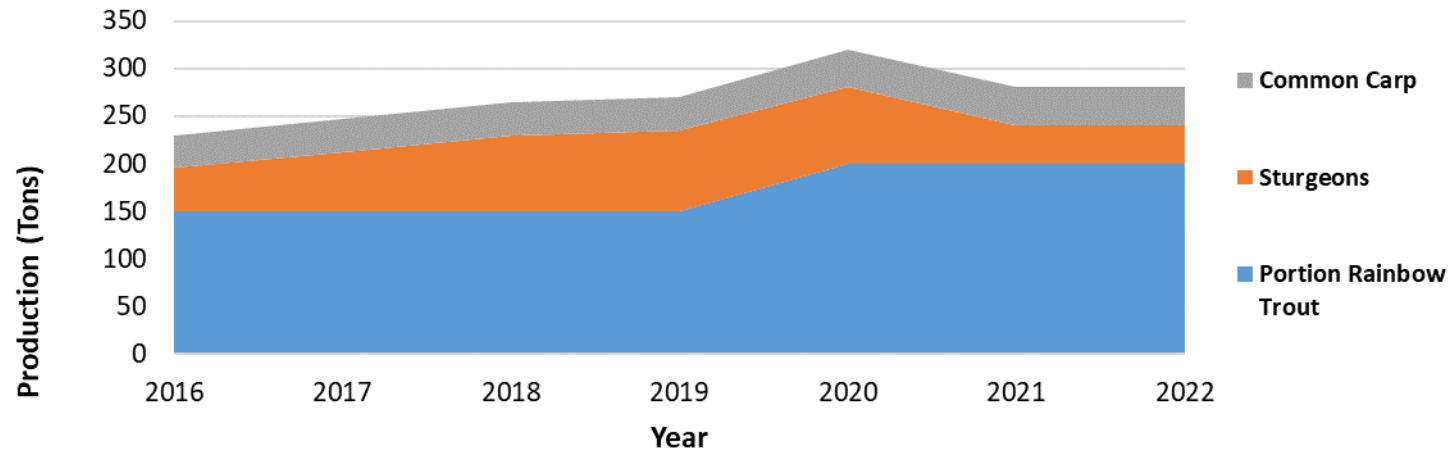


Belgium



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	150	150	150	150	200	200	200
Sturgeons nei	45	62	80	85	80	40	40
Common Carp and other species*	35	35	35	35	40	40	40
Grand total	230	247	265	270	320	280	280

*other species include Roach, Minnows and other cyprinids

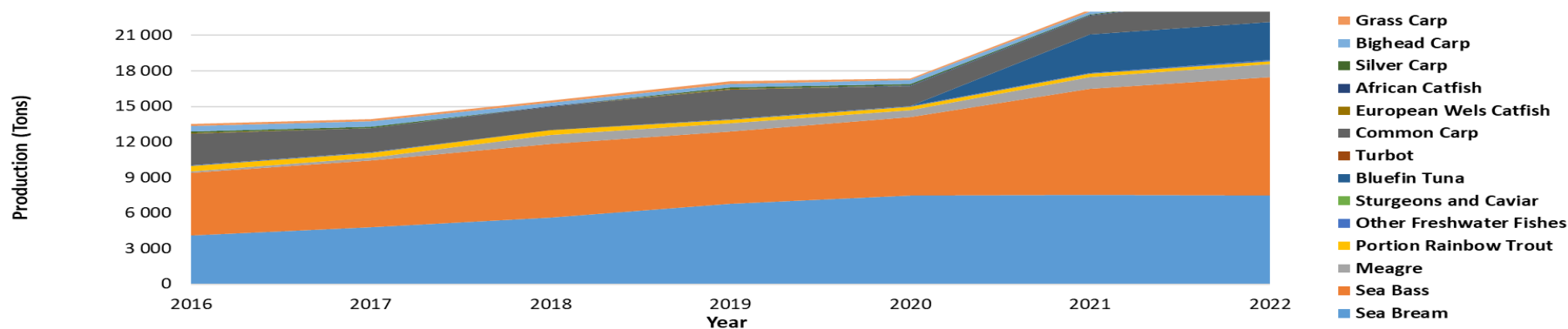




Croatia



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Sea Bass	5,310	5,616	6,220	6,089	6,637	8,967	10,034
Sea Bream	4,101	4,830	5,591	6,774	7,451	7,519	7,462
Bluefin Tuna	-	-	-	-	-	3,500	3,200
Common Carp	2,698	2,039	1,959	2,500	1,691	1,585	2,400
Meagre	125	253	808	725	593	999	1,090
Portion Rainbow Trout	467	395	370	300	300	258	258
Bighead carp	472	477	301	300	326	211	500
Grass carp	134	169	141	200	133	163	200
Silver Carp	135	73	36	100	162	100	100
African Catfish	-	-	20	20	32	19	19
European Wels Catfish	40	40	23	50	-	-	-
Other Species*	17	22	15	55	43	64	67
Sturgeons nei	-	-	7	5	5	5	5
Grand total	13,499	13,914	15,491	17,118	17,373	23,390	25,335



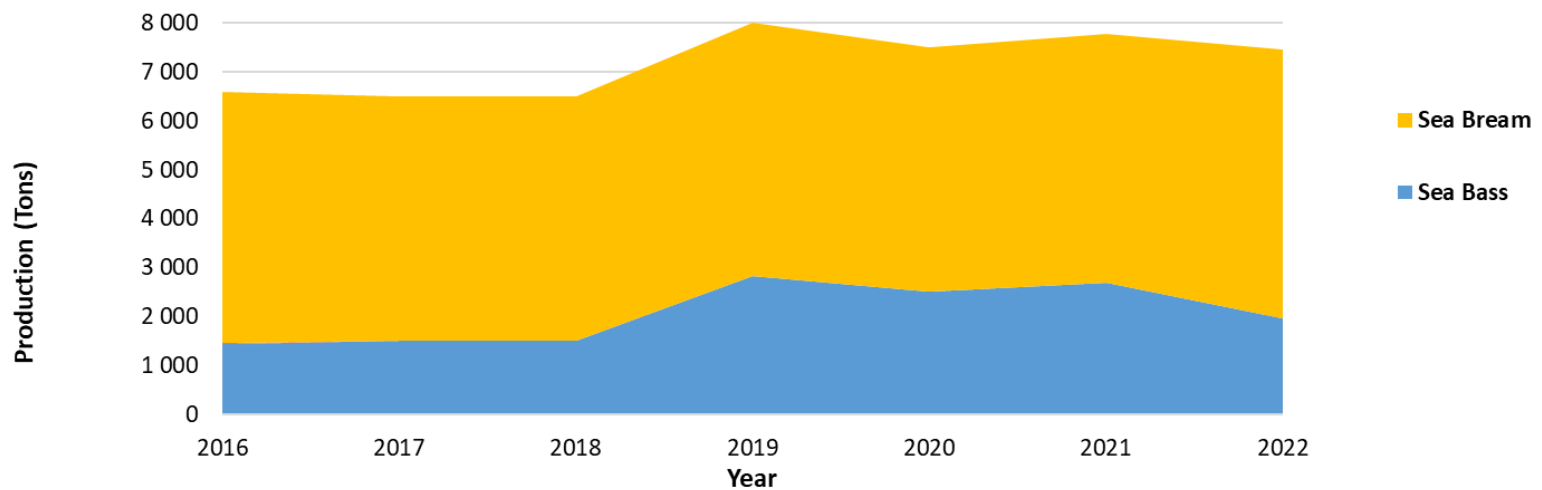
*other species include Tench, Perch, Pike-Perch, Roach, ...



Cyprus



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Sea Bream	5,136	5,000	5,000	5,168	5,000	5,000	5,496
Sea Bass	1,442	1,500	1,500	2,836	2,500	2,500	1,959
Sturgeons nei	1	2	-	-	-	-	-
Meagre	10	10	-	-	-	-	-
Grand total	6,590	6,512	6,500	8,004	7,500	7,500	7,455



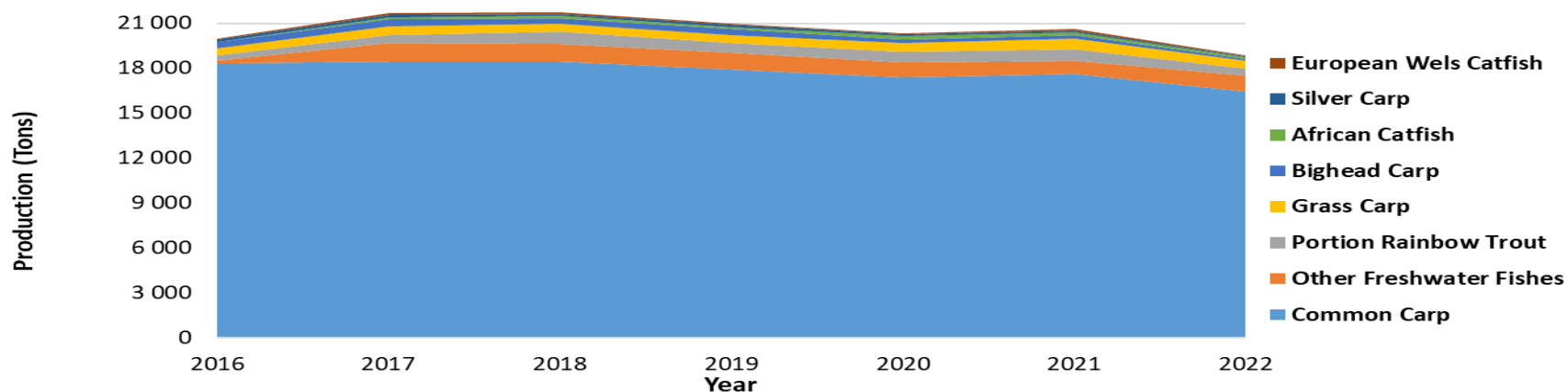


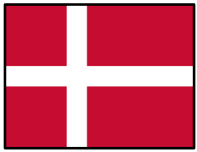
Czech Republic



Production (Tons)	Year						
	2015	2016	2017	2018	2019	2020	2021
Common Carp	17,860	18,354	18,460	18,430	17,945	17,370	16,437
Other Species*	152	145	1,243	1,223	1,099	999	1,341
Portion Rainbow Trout	368	367	509	784	649	699	438
Grass carp	445	490	567	515	536	611	548
Bighead carp	264	402	473	393	389	269	146
African Catfish	-	-	130	142	125	212	92
Silver Carp	113	172	203	168	167	115	63
European Wels Catfish	63	74	100	91	76	73	78
Sturgeons nei	-	2	2	-	-	-	-
European eel	-	-	2	1	-	-	-
Grand total	19,265	20,006	21,689	21,747	20,986	20,348	19,143

*other species include Tench, Perch, Pike-Perch, Roach, ...

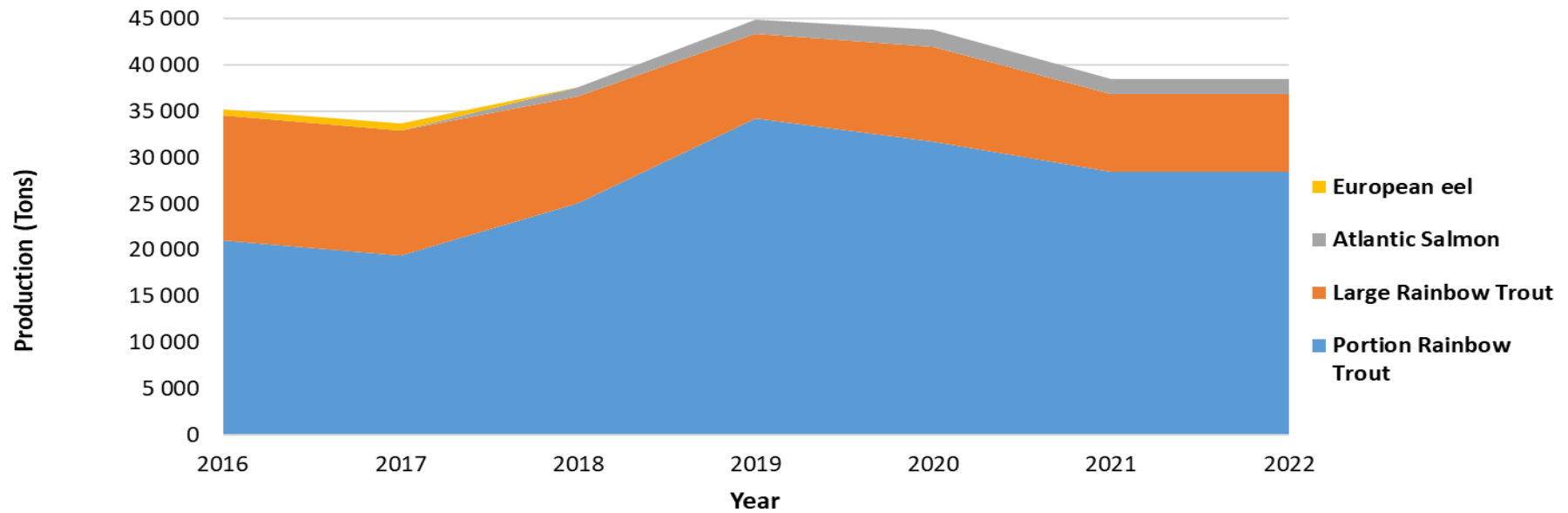




Denmark



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2021
Portion Rainbow Trout	21,022	19,404	25,086	34,232	31,755	28,460	28,460
Large Trout	13,500	13,500	11,599	9,188	10,203	8,363	8,363
European eel	750	750	-	-	-	-	-
Atlantic salmon	-	-	1,000	1,475	1,940	1,675	1,675
Grand total	35,272	33,654	37,685	44,895	43,898	38,498	38,498



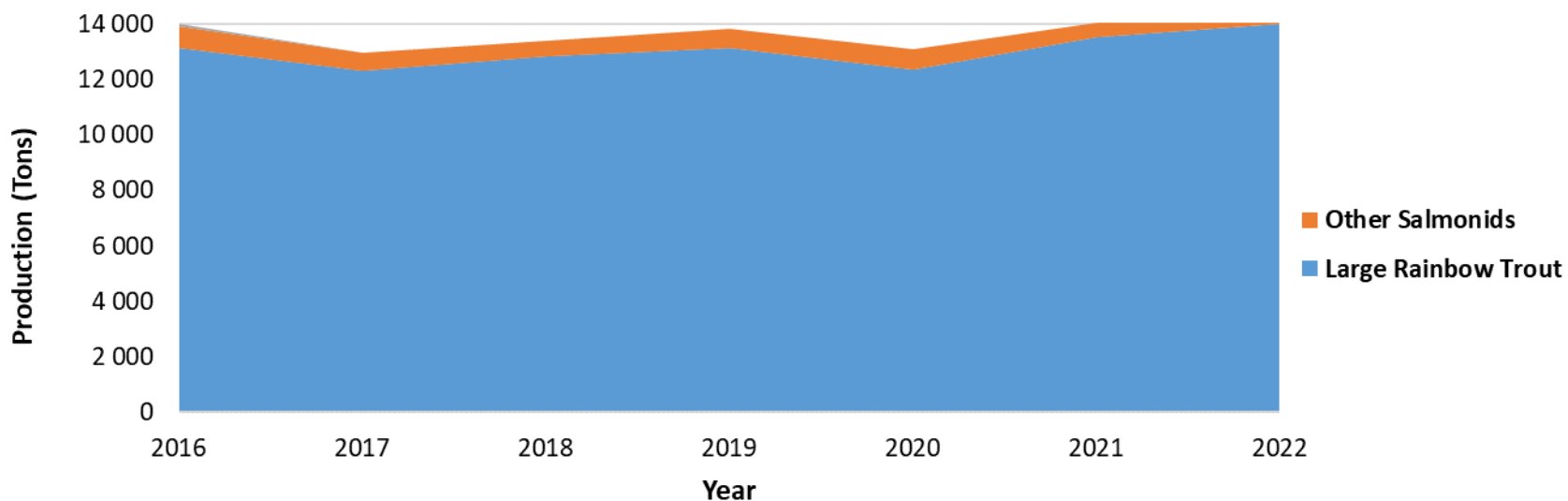


Finland



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Large Rainbow Trout	13,127	12,314	12,835	13,116	12,358	13,500	14,000
White fish*						700	700
Sturgeons nei	60	-	-	-	-	-	-
Grand total	13,187	12,314	12,835	13,116	12,358	14,200	14,700

*white fish production was not reported before 2021, illustrated as other salmonids below.



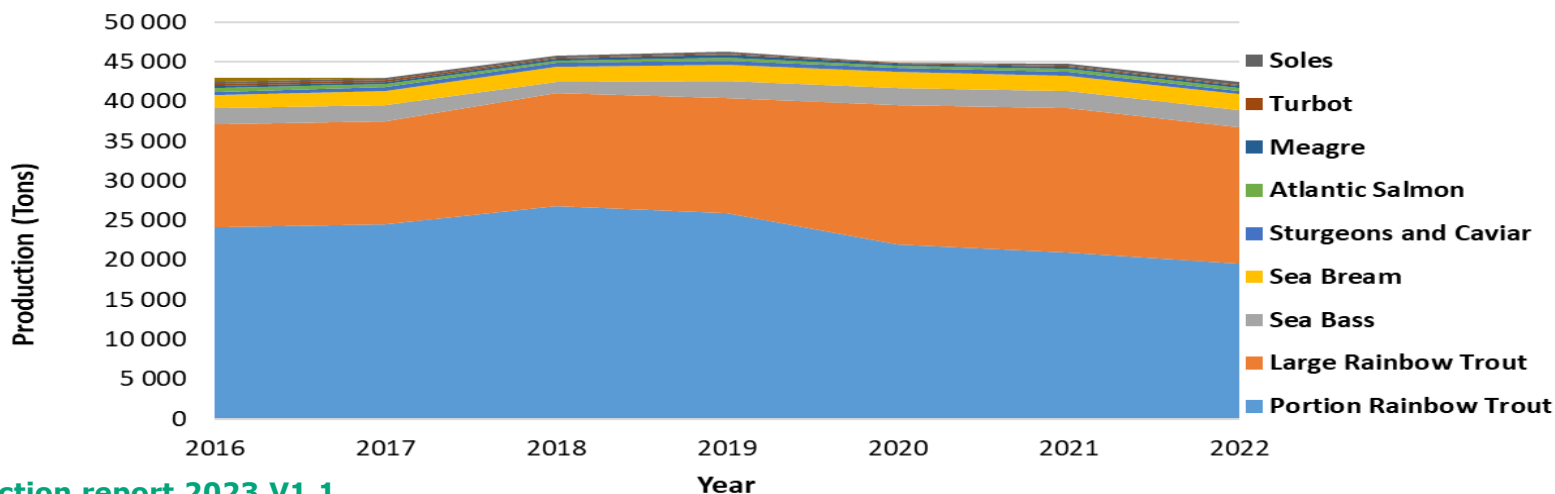


France



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	24,200	24,506	26,814	26,000	21,945	20,971	19,619
Large Rainbow Trout	13,000	13,064	14,295	14,500	17,655	18,254	17,076
Sea Bass	1,928	1,945	1,433	2,123	2,100	2,128	2,273
Sea Bream	1,671	1,853	1,879	2,081	2,000	1,881	1,987
Sturgeons nei	450	500	453	500	500	500	355
Atlantic salmon	450	300	300	360	360	360	360
Meagre	236	326	289	390	200	304	360
Sole	248	276	262	253	-	291	309
Turbot	288	207	116	65	100	100	100
Other Species*	500	-	-	-	-	-	-
Common Carp	-	-	-	-	-	-	-
Grand total	42,971	42,977	45,841	46,272	44,860	44,789	42,439

*other species include Tench, Perch, Pike-Perch, Roach, ...

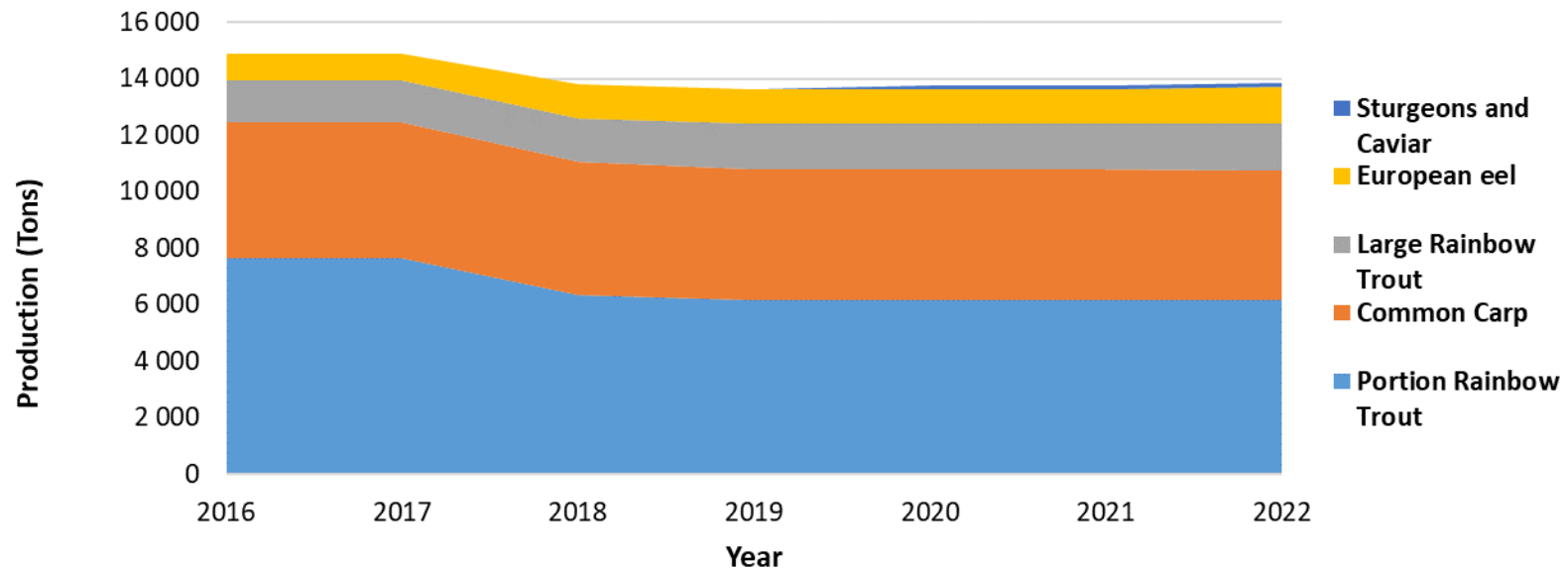




Germany



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	7,642	7,642	6,315	6,158	6,158	6,158	6,158
Common Carp	4,800	4,800	4,746	4,641	4,641	4,641	4,607
Large Rainbow Trout	1,506	1,506	1,537	1,627	1,627	1,627	1,627
European eel	927	927	1,207	1,202	1,202	1,202	1,332
Sturgeons nei	-	-	-	-	130	130	130
Grand total	14,875	14,875	13,805	13,628	13,758	13,758	13,854

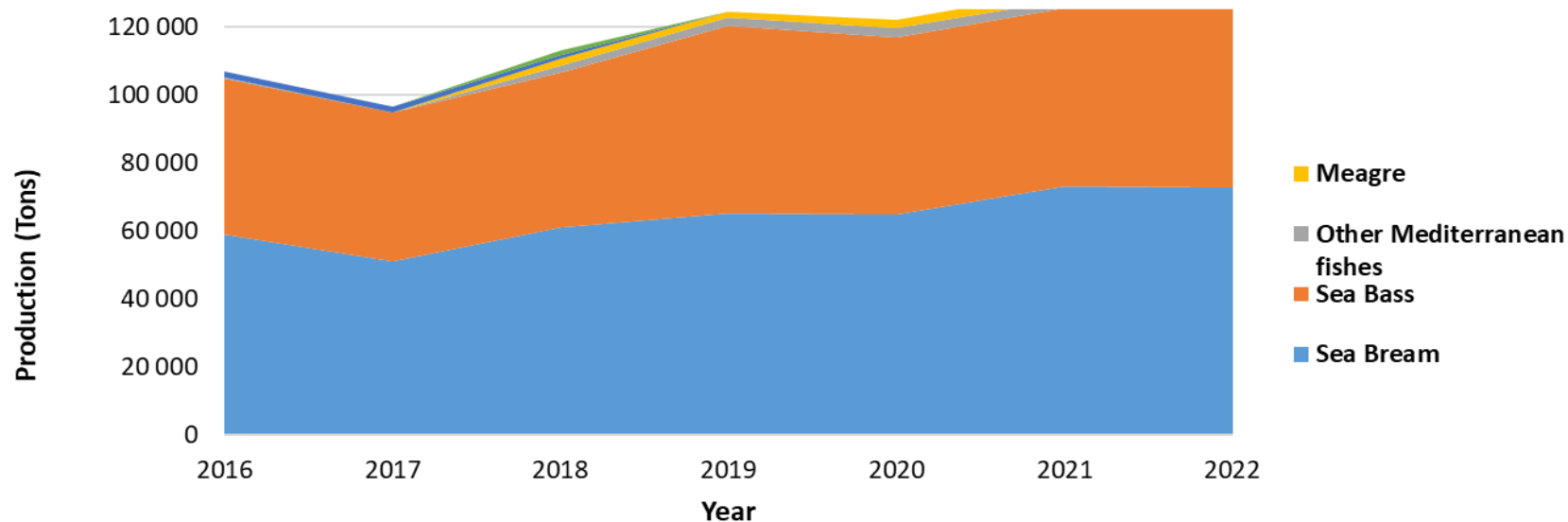




Greece



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Sea Bream	59,000	51,000	61,000	65,300	65,000	73,050	72,700
Sea Bass	46,000	44,000	45,500	55,200	52,000	52,500	54,000
Meagre	-	-	2,200	2,000	2,500	2,500	2,500
Pagrus	-	-	2,200	2,200	2,600	2,600	2,600
Portion Rainbow Trout	1,611	1,611	1,000	-	-	-	-
Flathead grey mullet	263	-	-	-	-	-	-
European eel	-	-	1,207	-	-	-	-
Grand total	106,874	96,611	113,107	124,700	122,100	130,650	131,800



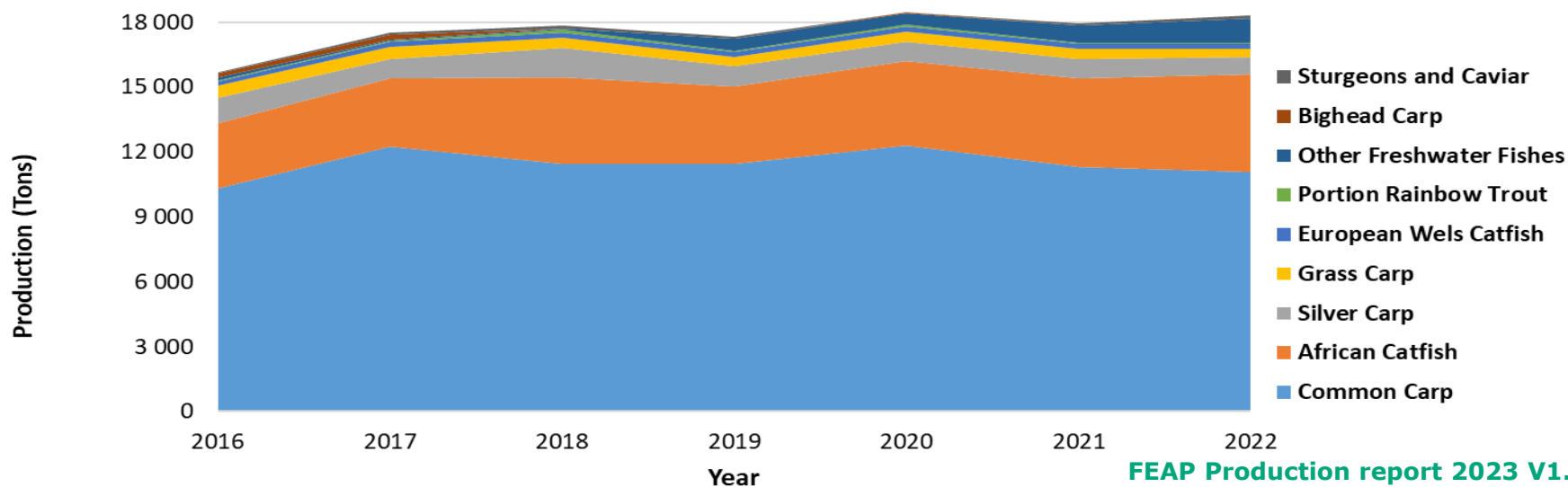


Hungary



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Common Carp	10,321	12,240	11,462	11,436	12,300	11,309	11,057
African Catfish	3,039	3,174	3,987	3,610	3,900	4,108	4,558
Silver Carp	1,144	883	1,370	943	900	896	773
Grass carp	583	579	474	425	476	465	402
European Wels Catfish	178	216	252	206	242	216	198
Bighead carp	176	205	-	-	50	7	14
Sturgeons nei	76	97	139	87	28	71	124
Other Species*	115	69	76	60	506	786	1,141
Portion Rainbow Trout	67	54	99	76	76	74	49
Grand total	15,699	17,517	17,859	16,843	18,478	17,932	18,316

*other species include Tench, Perch, Pike-Perch, Roach, ...

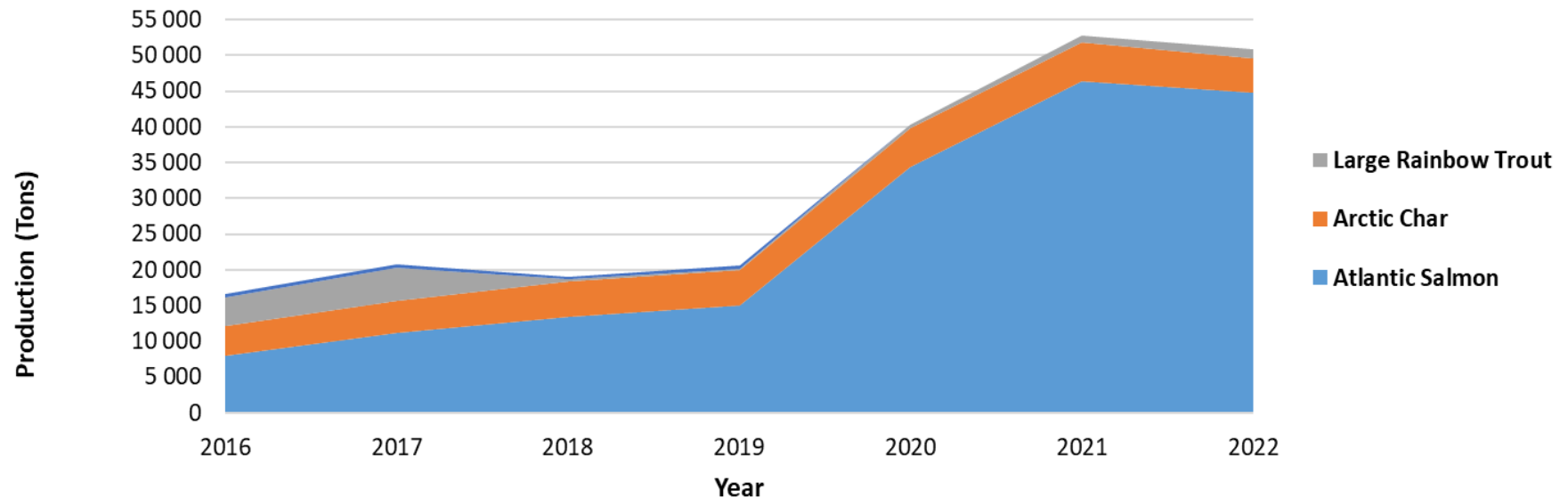




Iceland



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Atlantic salmon	8,000	11,265	13,448	15,000	34,341	46,458	44,734
Arctic Char	4,200	4,454	4,914	4,914	5,493	5,390	4,931
Large Trout	4,000	4,628	295	299	490	951	1,131
Sole	500	-	-	-	-	-	-
Senegal Flounder	-	400	391	377	-	-	-
Cod	-	29	29	4	-	-	-
Grand total	16,700	20,776	19,077	20,594	40,324	52,799	50,796

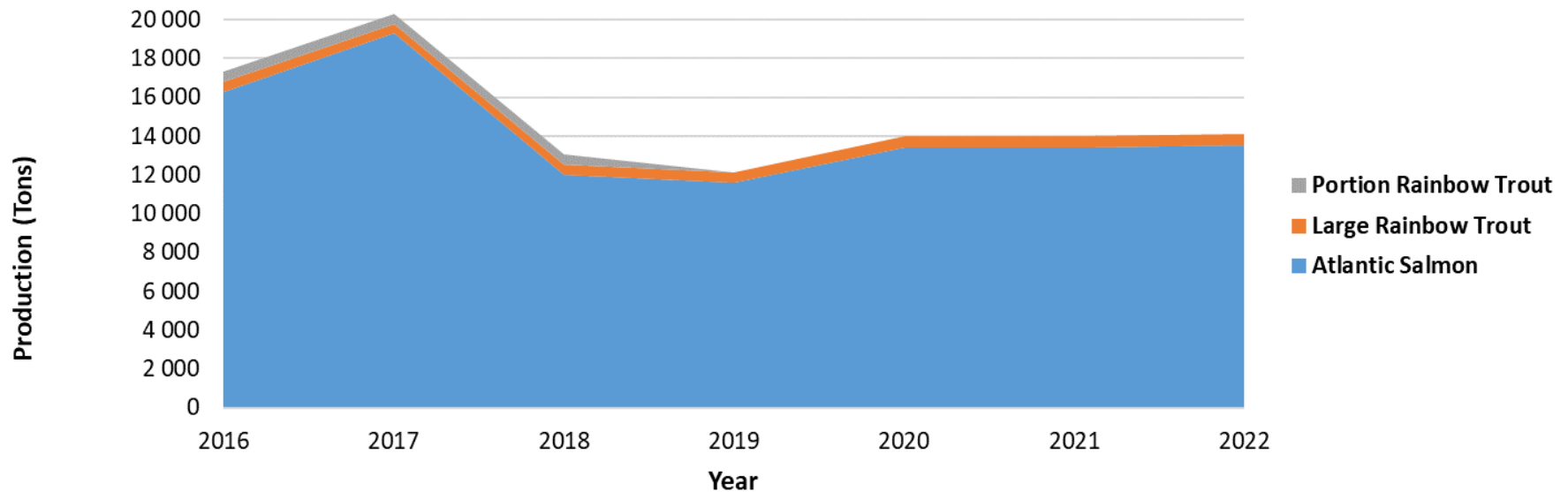




Ireland



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Atlantic salmon	16,300	19,305	11,984	11,600	13,400	13,400	13,500
Large Trout	500	500	557	500	600	600	600
Portion Rainbow Trout	500	500	500	-	-	-	-
Grand total	17,300	20,305	13,041	12,100	14,000	14,000	14,100

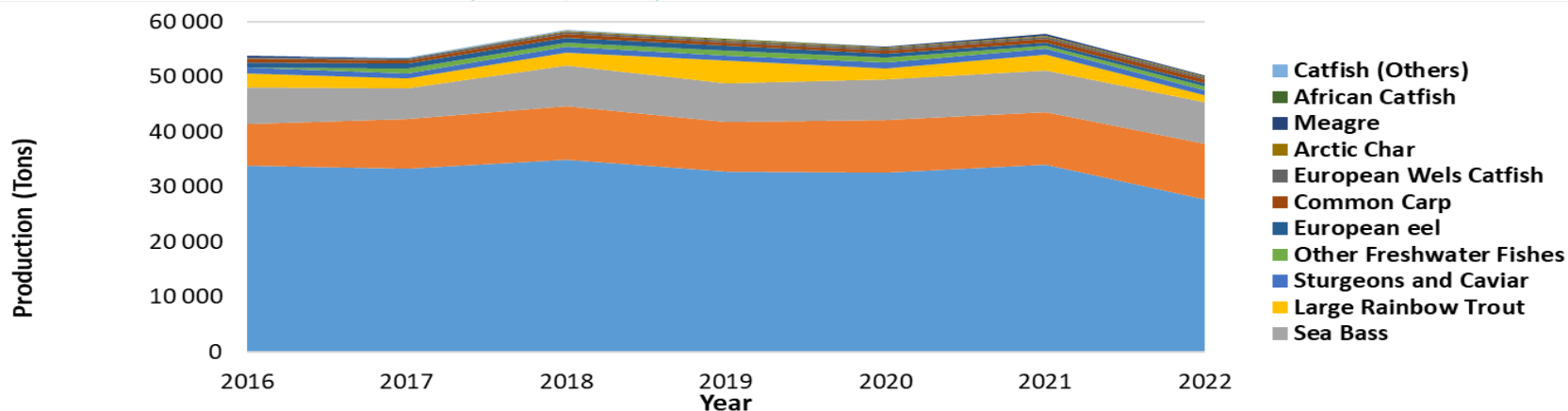


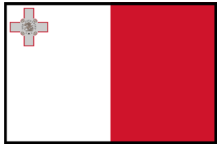


Italy



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	33,800	33,300	35,000	32,800	32,700	34,000	27,800
Sea Bream	7,600	9,000	9,700	9,100	9,400	9,600	10,100
Sea Bass	6,800	5,600	7,300	7,000	7,400	7,500	7,500
Large Rainbow Trout	2,500	1,800	2,500	4,000	2,100	3,000	1,200
Sturgeons nei	1,000	1,000	1,000	1,000	950	950	950
European eel	850	850	850	750	700	650	550
Other Species*	-	800	800	900	950	580	780
Common Carp	700	600	600	550	600	600	600
Channel Catfish	350	350	450	450	400	375	350
Meagre	190	-	-	50	100	400	300
Arctic Char	-	100	150	175	200	175	175
Black Bullhead	-	200	200	-	-	-	-
African Catfish	-	-	-	40	50	25	25
Grand total	53,790	53,600	58,550	56,815	55,550	57,855	50,330



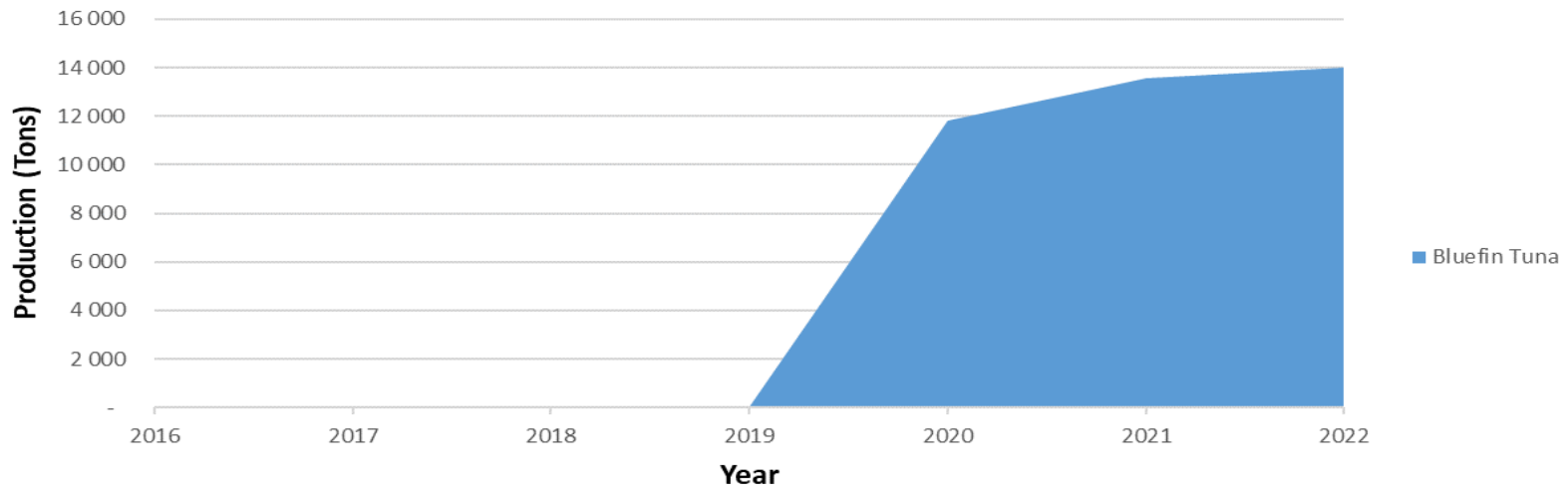


Malta



Production (Tons)	Year		
	2020	2021	2022
Bluefin Tuna	11,790	13,549	14,000
Grand total	11,790	13,549	14,000

The figure for 2021 is not reflected in the Total Production figures.

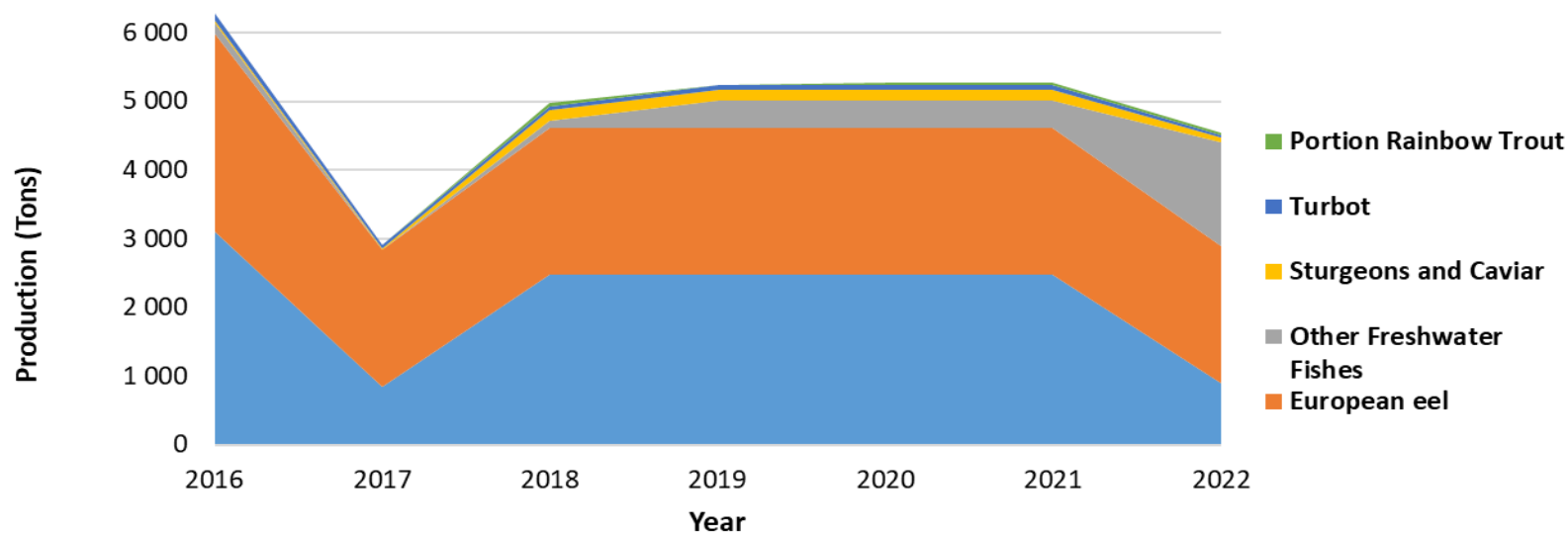




Netherlands



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
European eel	2,885	2,000	2,150	2,150	2,150	2,150	2,000
African Catfish	3,100	847	2,470	2,470	2,470	2,470	900
Turbot	100	60	60	60	60	60	30
Sturgeons nei	50	5	150	150	150	150	80
Portion Rainbow Trout	-	-	40	-	40	40	40
Other Species	150	-	100	400	400	400	1,500
Grand total	6,285	2,912	4,970	5,230	5,270	5,270	4,550

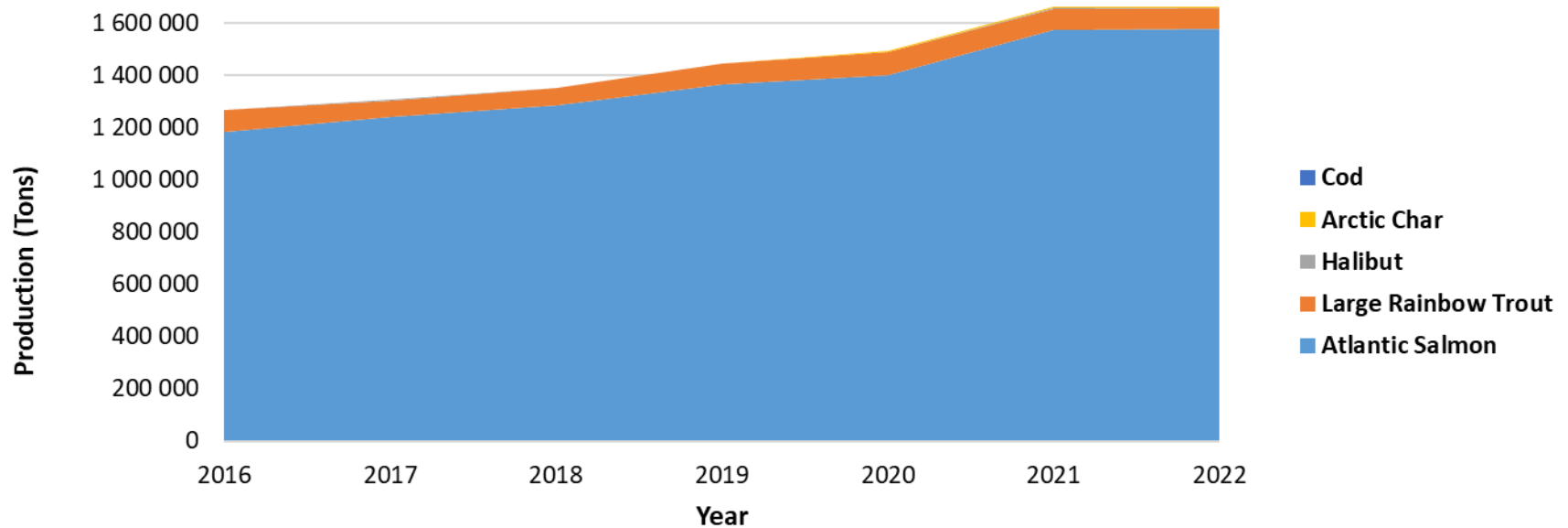




Norway



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Atlantic salmon	1,185,266	1,243,106	1,284,770	1,367,082	1,400,000	1,572,157	1,580,000
Large Trout	80,694	61,418	66,337	78,320	90,000	83,617	76,000
Halibut	1,461	1,623	1,843	1,524	1,500	1,800	1,800
Arctic Char	330	339	285	365	500	4,000	6,000
Cod	-	117	495	-	-	-	500
Grand total	1,267,751	1,306,603	1,353,730	1,447,291	1,492,000	1,661,574	1,664,300

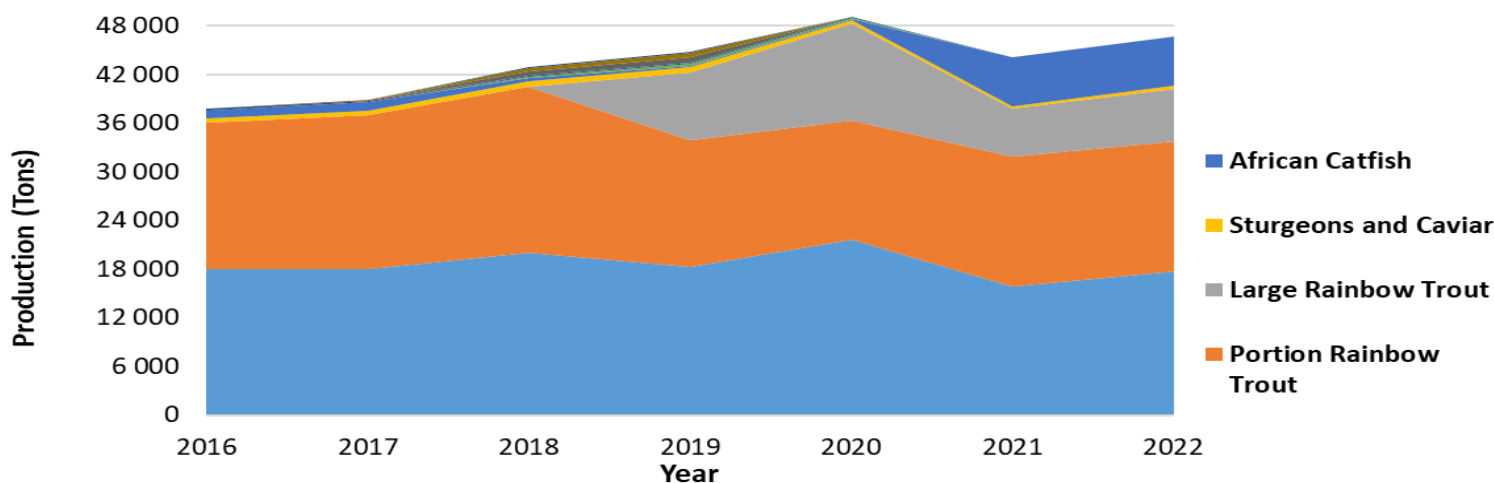




Poland



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	18,000	19,000	20,500	15,600	14,725	15,955	16,000
Common Carp	18,000	18,000	20,000	18,300	21,600	15,880	17,750
Large Rainbow Trout	-	-	-	8,400	12,000	5,918	6,500
Sturgeons nei	560	600	750	650	384	344	384
Bighead carp	-	-	570	680	-	-	-
Grass carp	-	-	450	600	-	-	-
African Catfish	1,000	1,000	300	185	185	6,100	6,100
Other Species*	-	-	210	170	170	-	-
Silver Carp	-	-	112	155	-	-	-
European Wels Catfish	200	200	76	120	120	-	-
European eel	51	86	1	11	11	-	-
Grand total	37,811	38,886	42,969	44,871	49,195	44,197	46,734

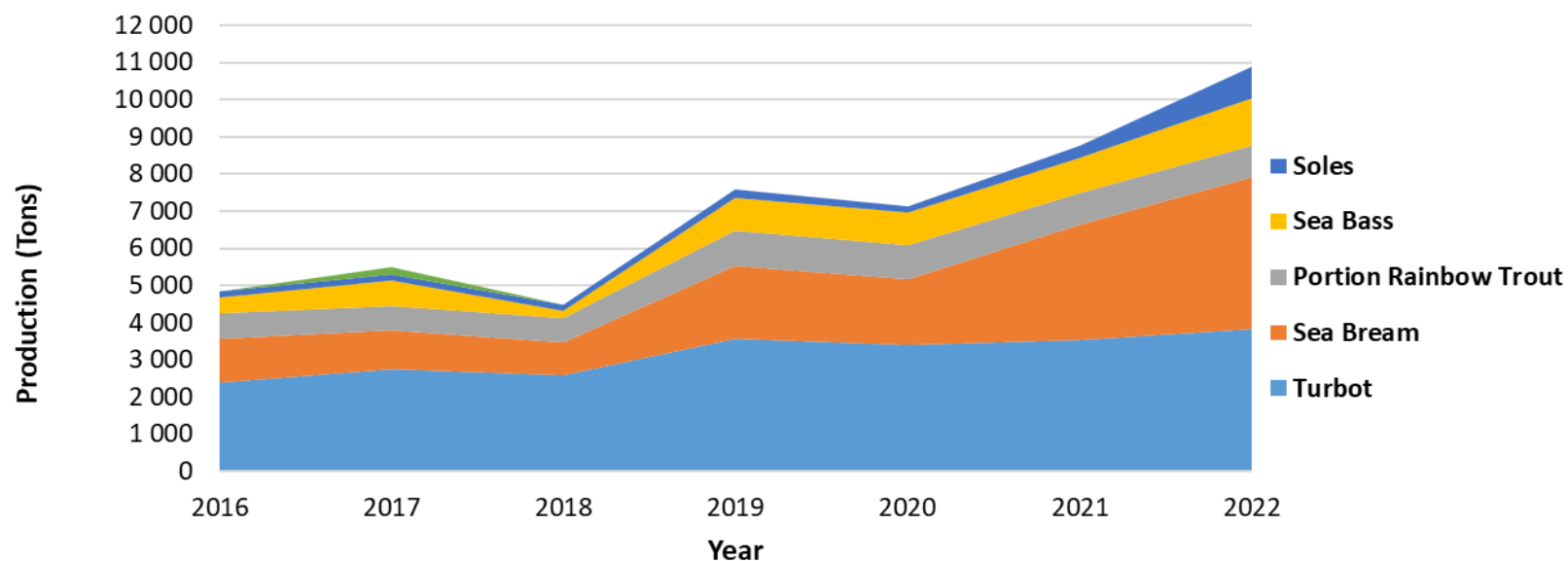




Portugal



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turbot	2,388	2,745	2,582	3,580	3,407	3,538	3,825
Sea Bream	1,196	1,038	898	1,953	1,768	3,091	4,085
Portion Rainbow Trout	676	665	655	939	904	867	867
Sea Bass	427	701	200	882	904	954	1,275
Sole	147	151	145	234	151	327	847
Meagre	-	-	-	-	-	-	-
European eel	-	200	-	-	-	-	-
Large Rainbow Trout	-	-	-	-	-	-	-
Grand total	4,834	5,500	4,480	7,588	7,134	8,777	10,899

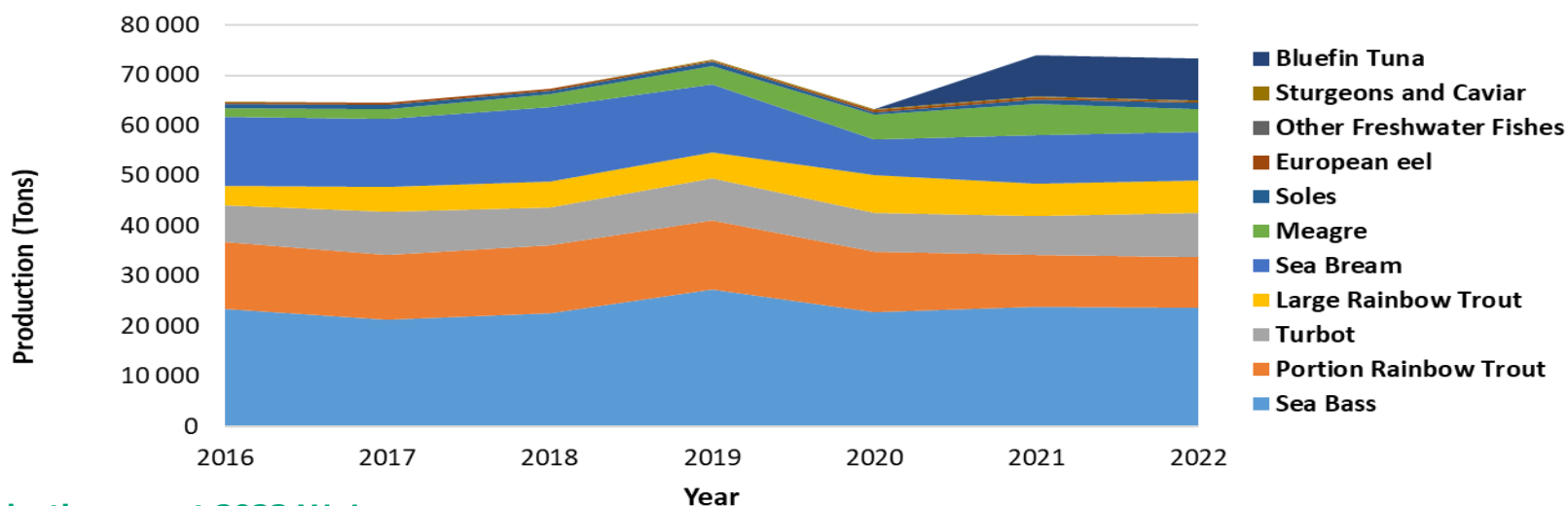




Spain



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Sea Bass	23,445	21,269	22,460	27,335	22,886	23,934	23,536
Portion Rainbow Trout	13,260	12,922	13,671	13,680	11,900	10,308	10,310
Sea Bream	13,740	13,643	14,930	13,521	7,170	9,632	9,572
Turbot	7,396	8,546	7,450	8,358	7,780	7,629	8,766
Large Rainbow Trout	3,900	5,025	5,185	5,250	7,500	6,591	6,508
Meagre	1,798	1,932	2,500	3,650	4,840	6,167	4,558
Tuna	-	-	-	-	-	4,500	8,500
Sole	755	830	774	818	620	1,020	1,222
European eel/Tench	315	330	330	360	360	320	367
Sturgeons nei	110	110	125	132	120	130	121
Grand total	64,719	64,607	67,425	73,104	63,176	70,231	73,460

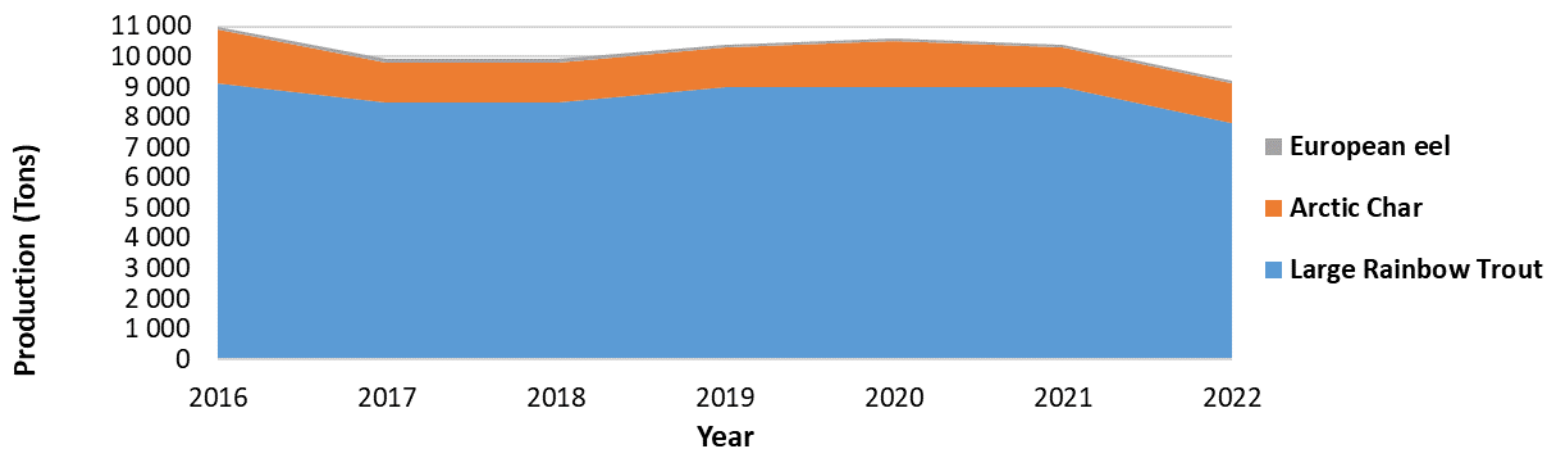




Sweden



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Large Trout	9,123	8,504	8,504	9,000	9,000	9,000	7,800
Arctic Char	1,760	1,310	1,310	1,310	1,500	1,300	1,300
European eel	117	105	100	96	110	110	110
Grand total	11,000	9,919	9,914	10,406	10,610	10,410	9,210



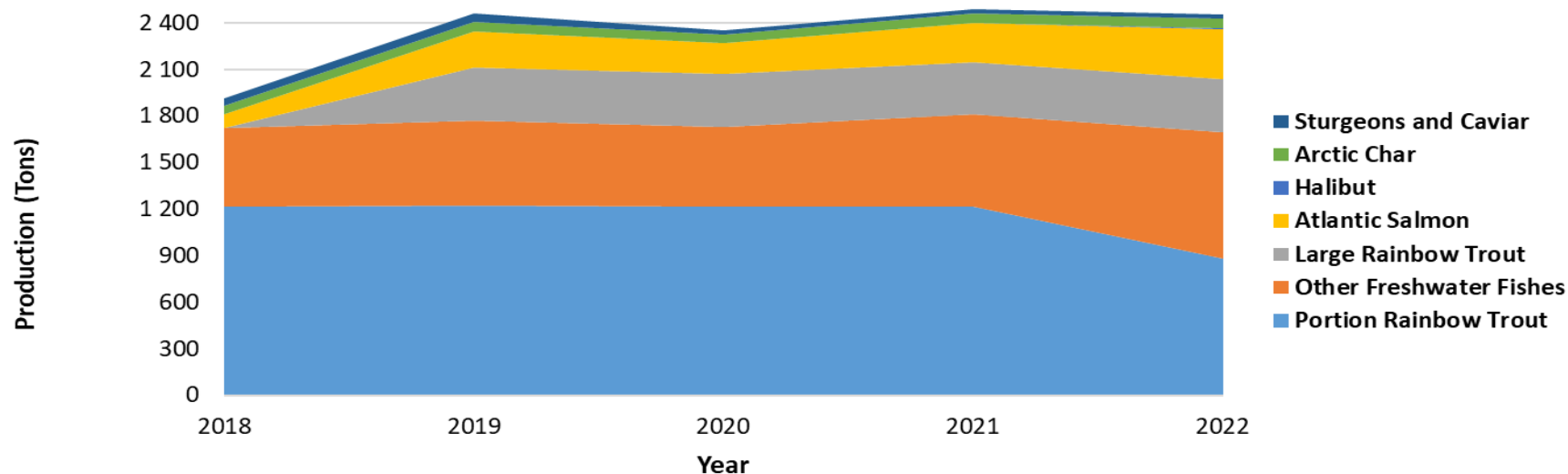


Switzerland



Production (Tons)	Year				
	2018	2019	2020	2021	2022
Portion Rainbow Trout	1,213	1,224	1,219	1,219	880
Other Species*	509	548	510	590	815
Large Rainbow Trout	-	340	340	340	340
Atlantic salmon	89	234	200	250	325
Arctic Char/Halibut	55	61	58	60	66
Sturgeons nei	47	56	27	27	27
Grand total	1,913	2,463	2,354	2,486	2,453

*other species include Tench, Perch, Pike-Perch, Roach, ...

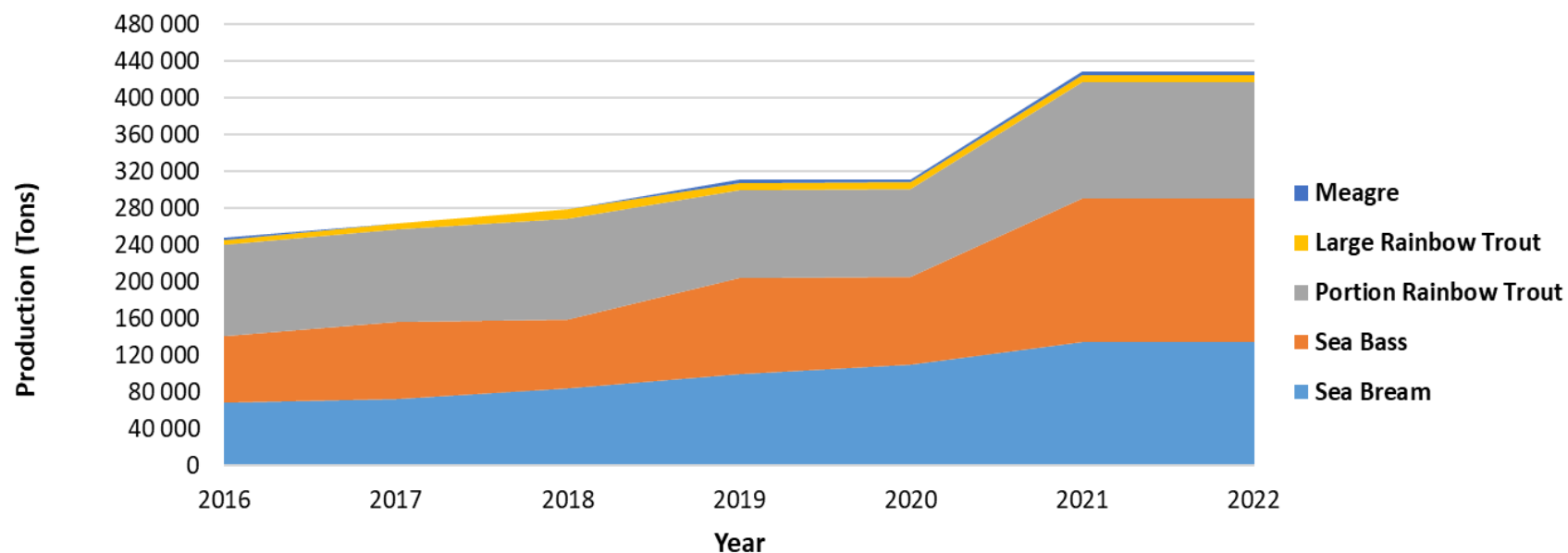




Turkey



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Portion Rainbow Trout	100,300	100,500	110,000	95,000	95,000	127,000	127,000
Sea Bass	72,342	84,000	75,000	105,000	95,000	156,000	156,000
Sea Bream	67,612	72,000	83,000	99,000	110,000	134,000	134,000
Large Rainbow Trout	5,000	7,000	11,000	8,000	7,500	7,500	7,500
Meagre	2,500	-	-	3,300	3,300	3,300	3,300
Grand total	247,754	263,500	279,000	310,300	310,800	427,800	427,800

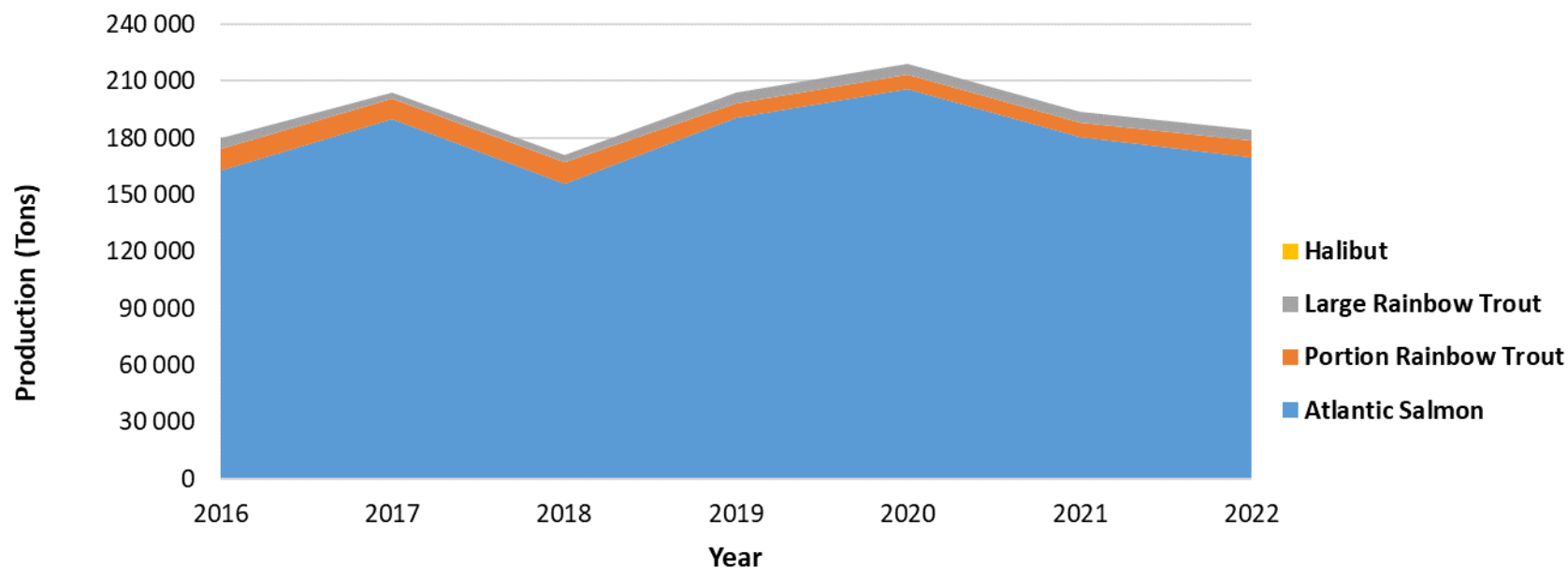




United Kingdom



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Atlantic salmon	162,817	189,707	156,025	190,499	205,776	180,300	170,000
Portion Rainbow Trout	11,500	11,000	11,000	7,750	7,750	7,750	8,750
Large Trout	5,500	3,500	4,000	5,800	5,800	5,800	5,800
Halibut	70	70	70	70	70	70	70
Grand total	179,887	204,277	171,095	204,119	219,396	193,920	184,620



FEAP Production Report per species



This FEAP Production report includes data on the following fish species reared in European aquaculture :



Atlantic salmon



Rainbow trout (large (>1,2kg) and portion-size (<1,2kg))



Arctic Char



Halibut



Cod



Common carp and other cyprinid species



Catfish species



European eel



Sturgeon and caviar



Sea bass (+ juveniles)



Sea bream (+ juveniles)



Turbot



Sole



Meagre



Bluefin Tuna

Production data some freshwater species have not been included due to the current lack of reliable data.

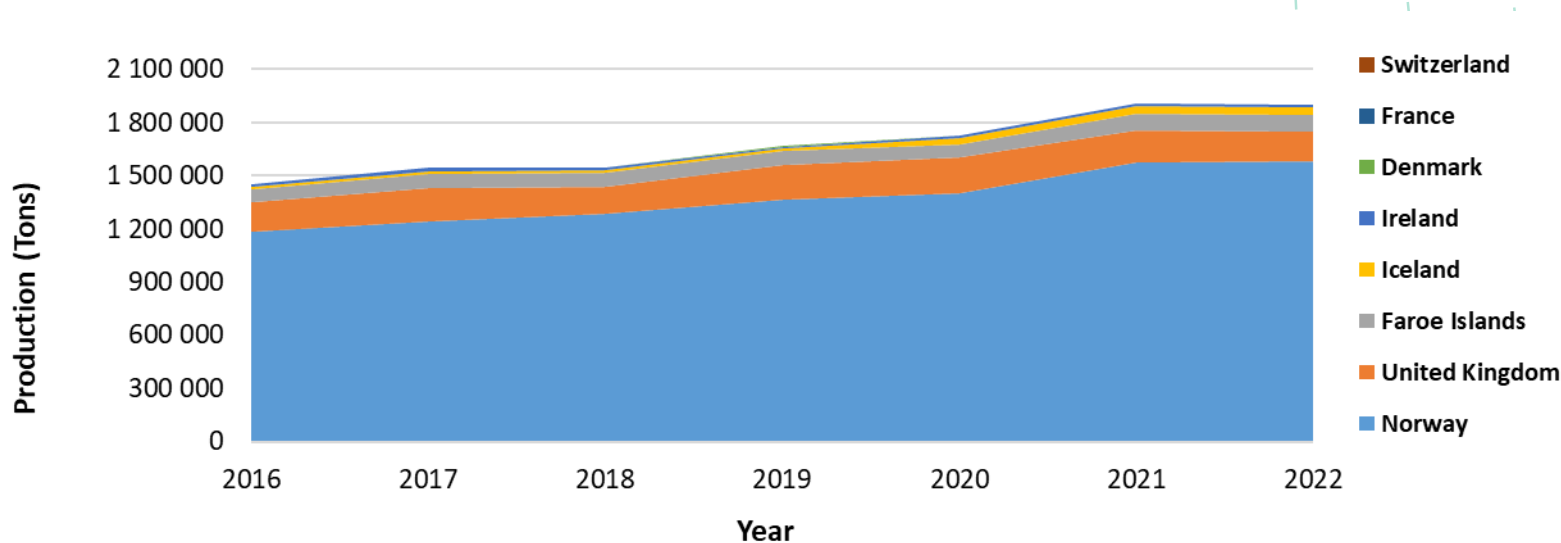


Atlantic Salmon

Salmo salar



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Norway	1,185,266	1,243,106	1,284,770	1,367,082	1,400,000	1,572,157	1,580,000
United Kingdom	162,817	189,707	156,025	190,499	205,776	180,300	170,000
Faroe Islands	78,000	80,000	77,863	80,000	72,918	94,823	89,080
Iceland	8,000	11,265	13,448	15,000	34,341	46,458	44,734
Ireland	16,300	19,305	11,984	11,600	13,400	13,400	13,500
Denmark	-	-	1,000	1,475	1,475	1,675	1,675
France	450	300	300	360	360	360	360
Switzerland	-	-	89	234	200	250	325
Grand total	1,450,833	1,543,683	1,545,479	1,666,250	1,728,935	1,909,423	1,899,674





Rainbow Trout (large)

Oncorhynchus mykiss

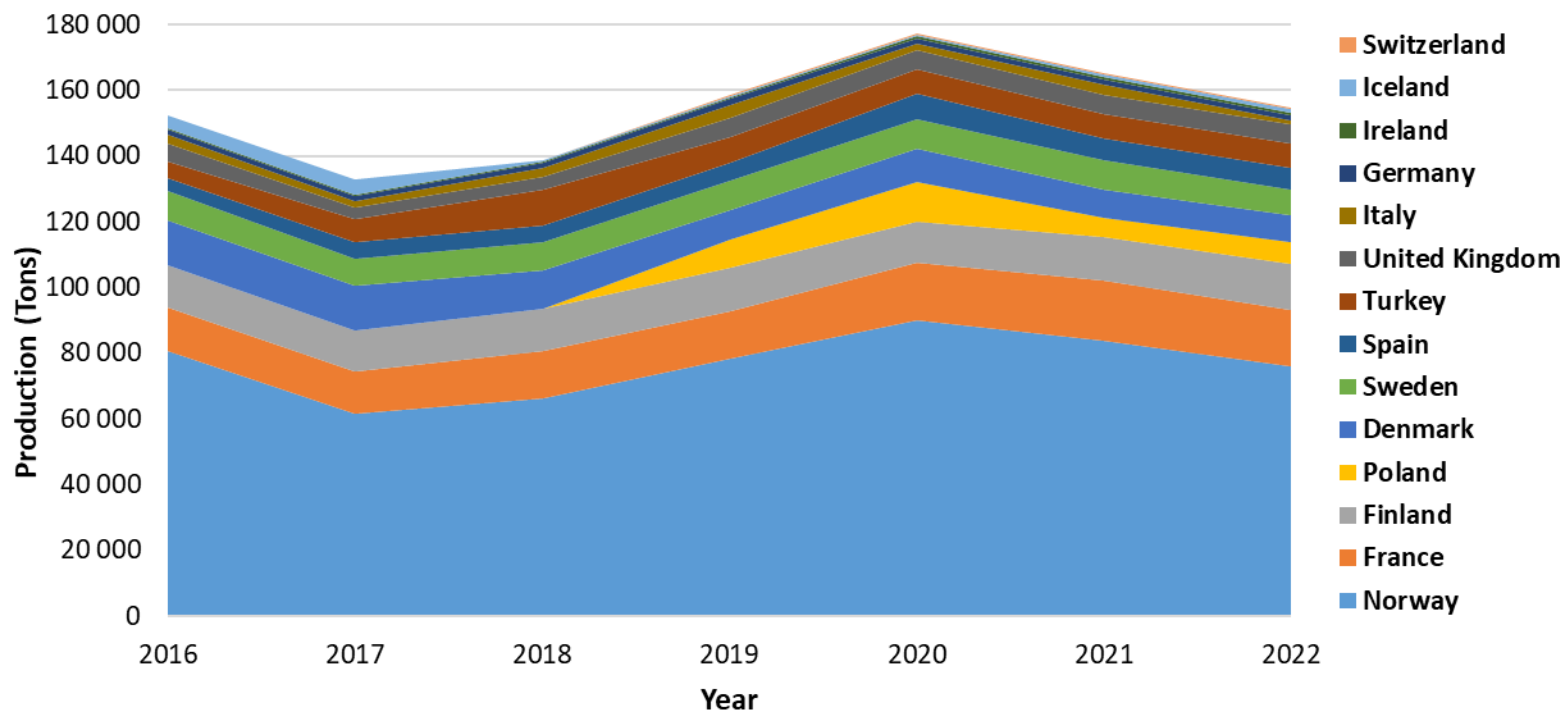


Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Norway	80,694	61,418	66,337	78,320	90,000	83,617	76,000
France	13,000	13,064	14,295	14,500	17,655	18,254	17,076
Finland	13,127	12,314	12,835	13,116	12,358	13,500	14,000
Denmark	13,500	13,500	11,599	9,188	10,203	8,363	8,363
Sweden	9,123	8,504	8,504	9,000	9,000	9,000	7,800
Turkey	5,000	7,000	11,000	8,000	7,500	7,500	7,500
Spain	3,900	5,025	5,185	5,250	7,500	6,591	6,508
Poland	-	-	-	8,400	12,000	5,918	6,500
United Kingdom	5,500	3,500	4,000	5,800	5,800	5,800	5,800
Italy	2,500	1,800	2,500	4,000	2,100	3,000	1,200
Germany	1,506	1,506	1,537	1,627	1,627	1,627	1,627
Iceland	4,000	4,628	295	299	490	951	1,131
Ireland	500	500	557	500	600	600	600
Switzerland	-	-	-	340	340	340	340
Grand total	152,350	132,759	138,644	158,340	177,173	165,061	154,445



Rainbow Trout (large)

Oncorhynchus mykiss





Rainbow Trout (portion)

Oncorhynchus mykiss

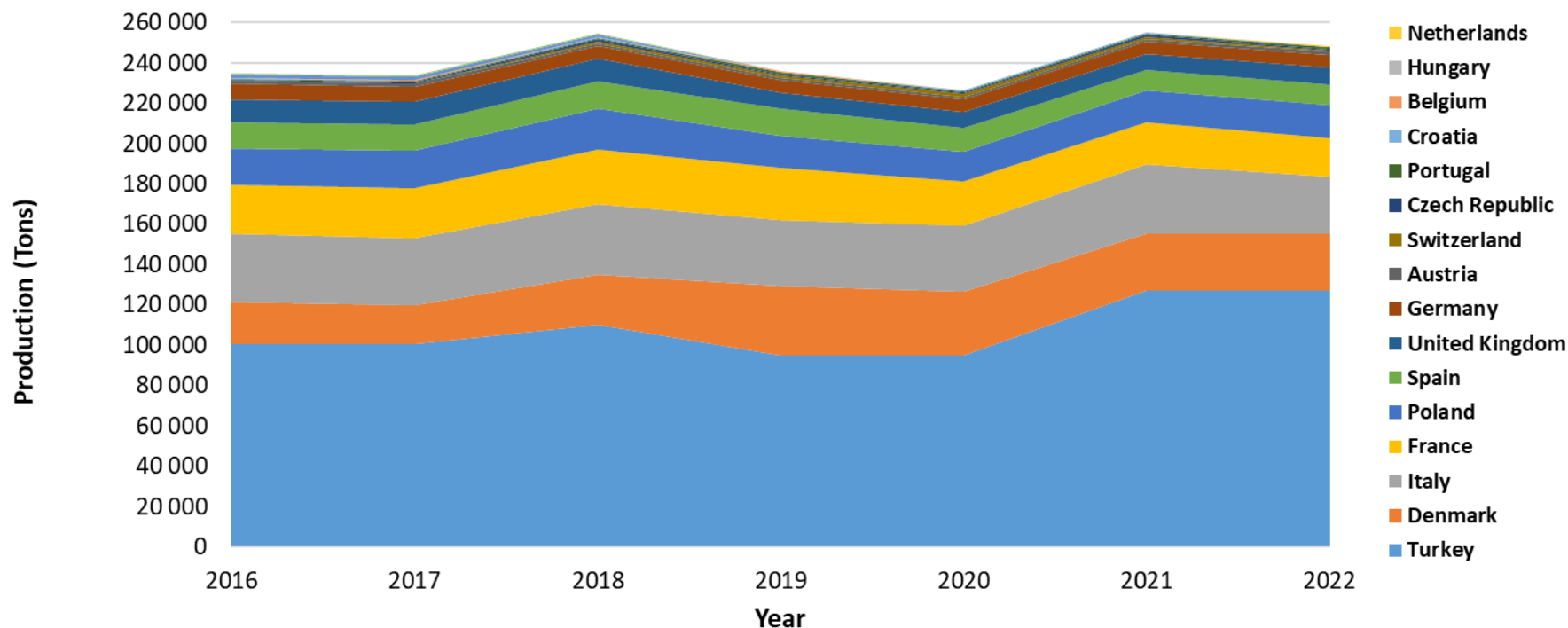


Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turkey	100,300	100,500	110,000	95,000	95,000	127,000	127,000
Italy	33,800	33,300	35,000	32,800	32,700	34,000	27,800
Denmark	21,022	19,404	25,086	34,232	31,755	28,460	28,460
France	24,200	24,506	26,814	26,000	21,945	20,971	19,619
Poland	18,000	19,000	20,500	15,600	14,725	15,955	16,000
Spain	13,260	12,922	13,671	13,680	11,900	10,308	10,310
United Kingdom	11,500	11,000	11,000	7,750	7,750	7,750	8,750
Germany	7,642	7,642	6,315	6,315	6,158	6,158	6,158
Austria	1,277	1,277	1,277	1,277	1,277	1,277	1,277
Switzerland	-	-	1,213	1,224	1,219	1,219	880
Greece	1,611	1,611	1,000	-	-	-	-
Ireland	500	500	500	-	-	-	-
Portugal	676	665	655	939	660	867	867
Czech Republic	367	509	784	649	699	761	438
Croatia	467	395	370	300	300	258	258
Belgium	150	150	150	150	200	200	200
Hungary	67	54	99	76	76	74	49
Netherlands	-	-	40	-	40	40	40
Grand total	234,839	233,435	254,474	235,835	226,404	255,298	248,106



Rainbow Trout (portion)

Oncorhynchus mykiss



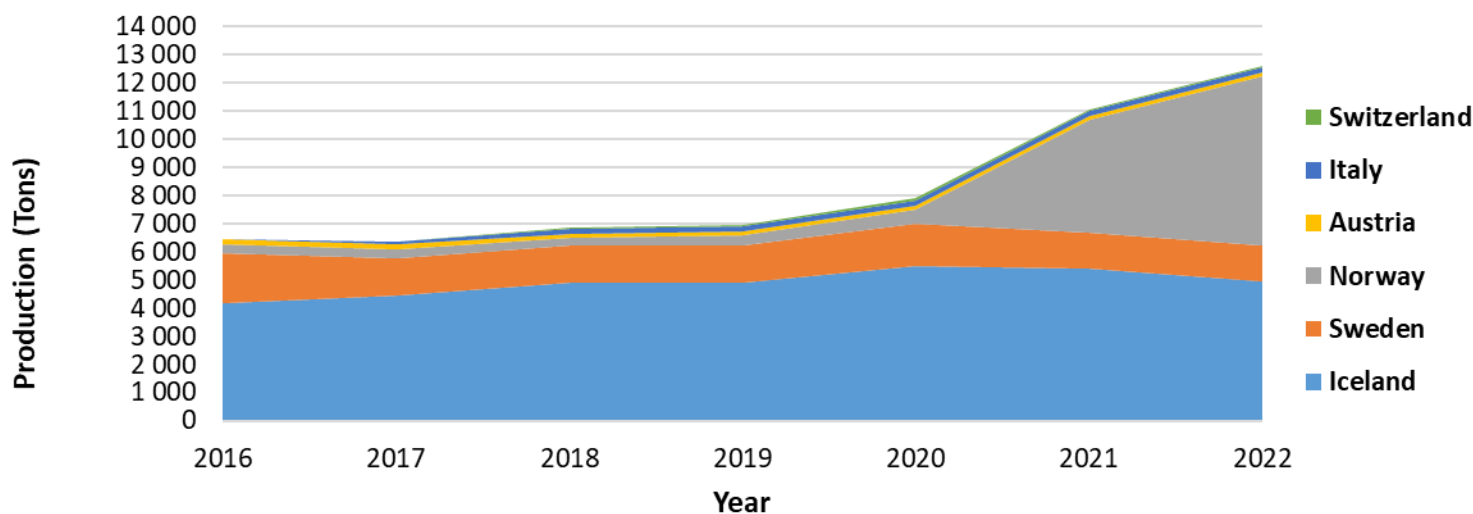


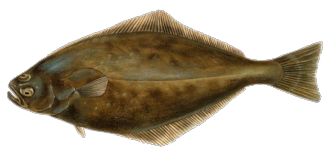
Arctic Char

Salvelinus Alpinus



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Iceland	4,200	4,454	4,914	4,914	5,493	5,390	4,931
Norway	330	339	285	365	500	4,000	6,000
Sweden	1,760	1,310	1,310	1,310	1,500	1,300	1,300
Italy	-	100	150	175	200	175	175
Austria	151	151	151	151	151	151	151
Switzerland	-	-	54,9	61	58	60	60
Grand total	6,441	6,354	6,865	6,976	7,902	11,076	12,617



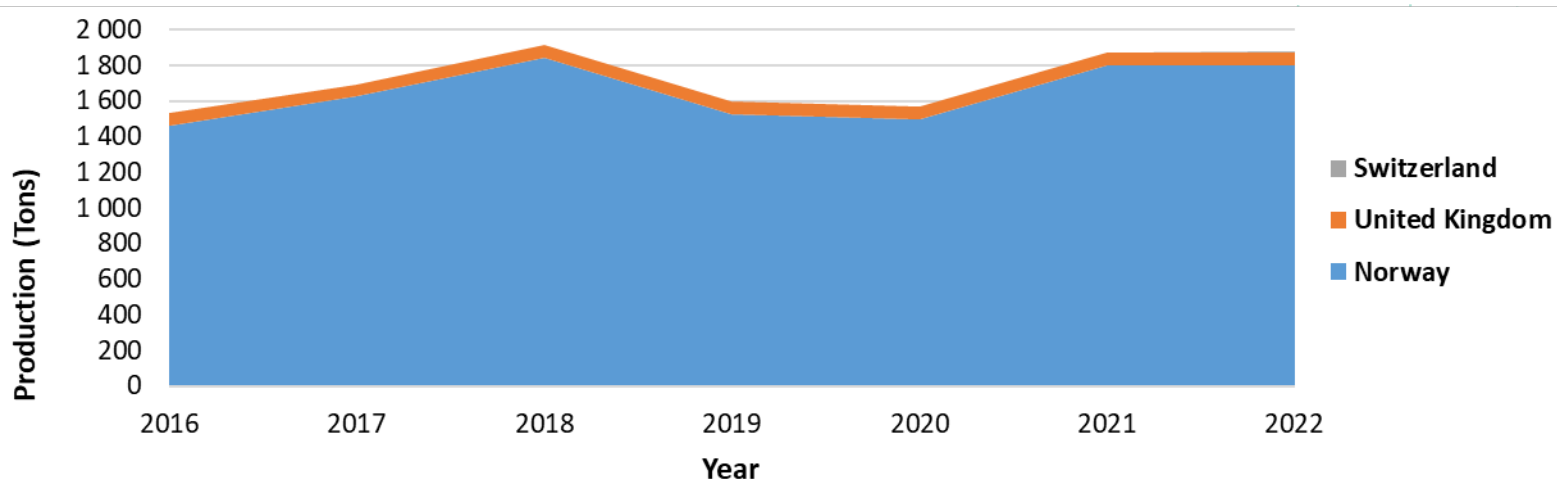


Halibut

Hippoglossus hippoglossus



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Norway	1,461	1,623	1,843	1,524	1,500	1,800	1,800
United Kingdom	70	70	70	70	70	70	70
Switzerland							6
Grand total	1,531	1,693	1,913	1,594	1,570	1,870	1,876



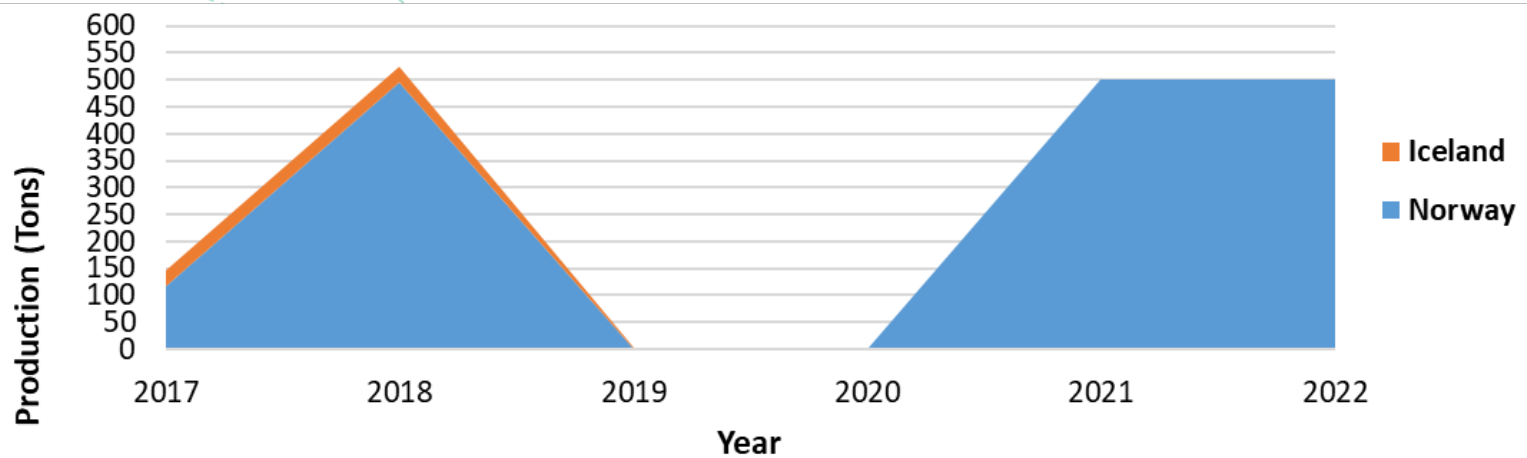


Cod

Gadus morhua



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
 Norway	-	117	495	-	-	500	500
 Iceland	-	29	29	4	-	-	-
Grand total	-	146	524	4	-	500	500



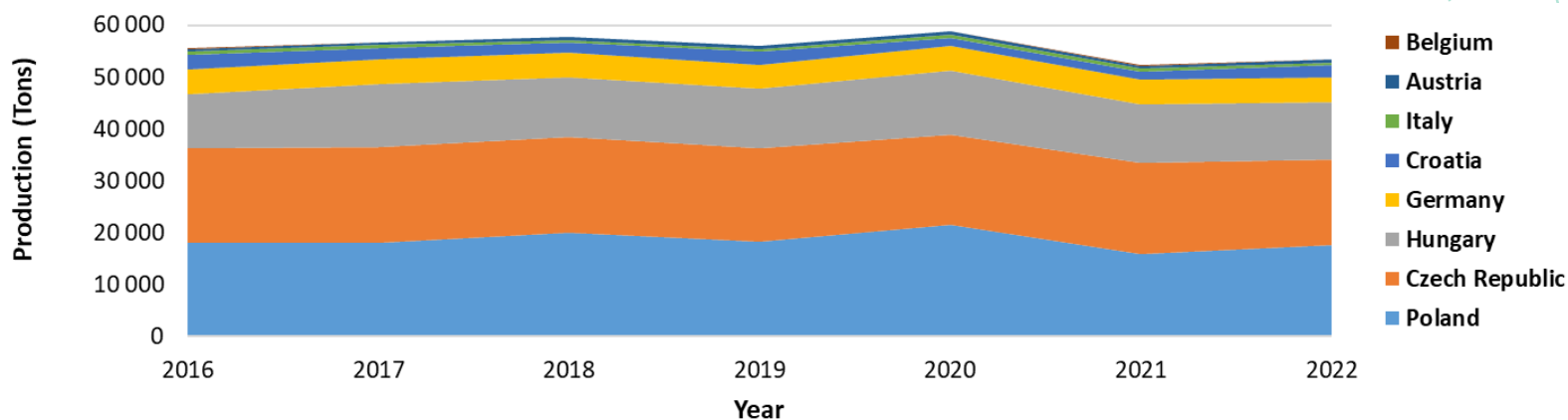


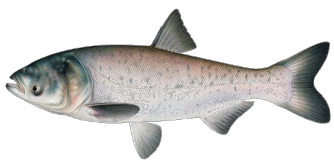
Common Carp

Cyprinus carpio



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Czech Republic	18,354	18,460	18,430	17,945	17,370	17,616	16,437
Poland	18,000	18,000	20,000	18,300	21,600	15,880	17,750
Hungary	10,321	12,240	11,462	11,436	12,300	11,309	11,057
Germany	4,800	4,800	4,746	4,641	4,641	4,641	4,607
Croatia	2,698	2,039	1,959	2,500	1,691	1,585	2,400
Italy	700	600	600	550	600	600	600
Austria	573	573	573	573	573	573	573
Belgium	35	35	35	35	40	40	40
France	-	-	-	-	-	-	-
Grand total	55,481	56,747	57,805	55,980	58,815	52,244	53,464



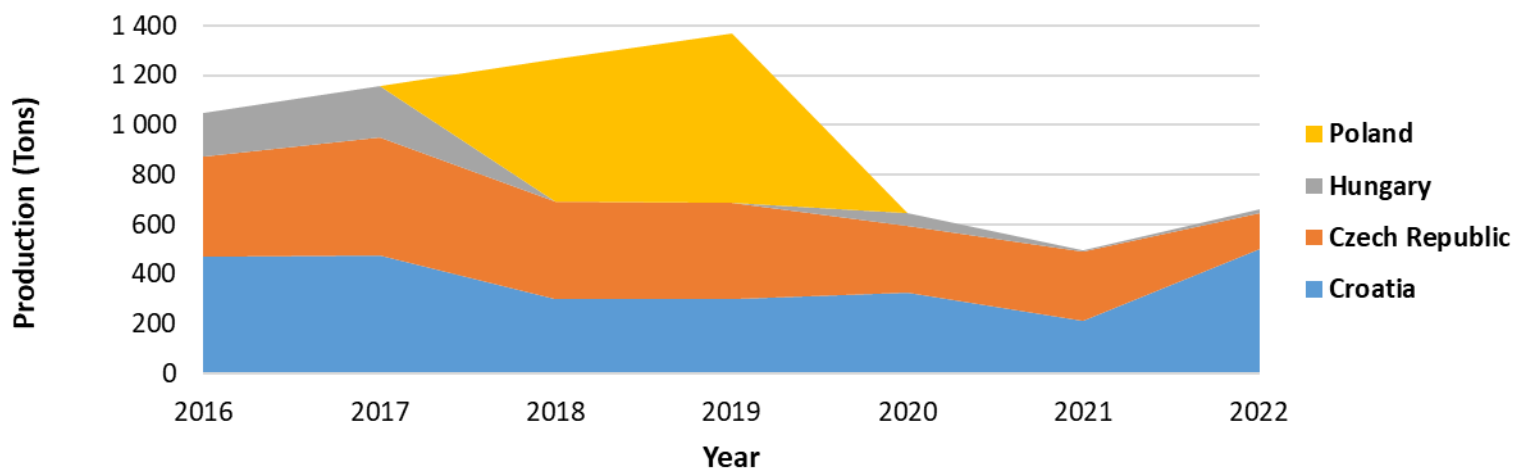


Bighead Carp

Hypophthalmichthys nobilis



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Croatia	472	477	301	300	326	211	500
Czech Republic	402	473	393	389	269	279	146
Hungary	176	205	-	-	50	7	14
Poland	-	-	570	680	-	-	-
Grand total	1050	1155	1,264	1,369	645	497	660



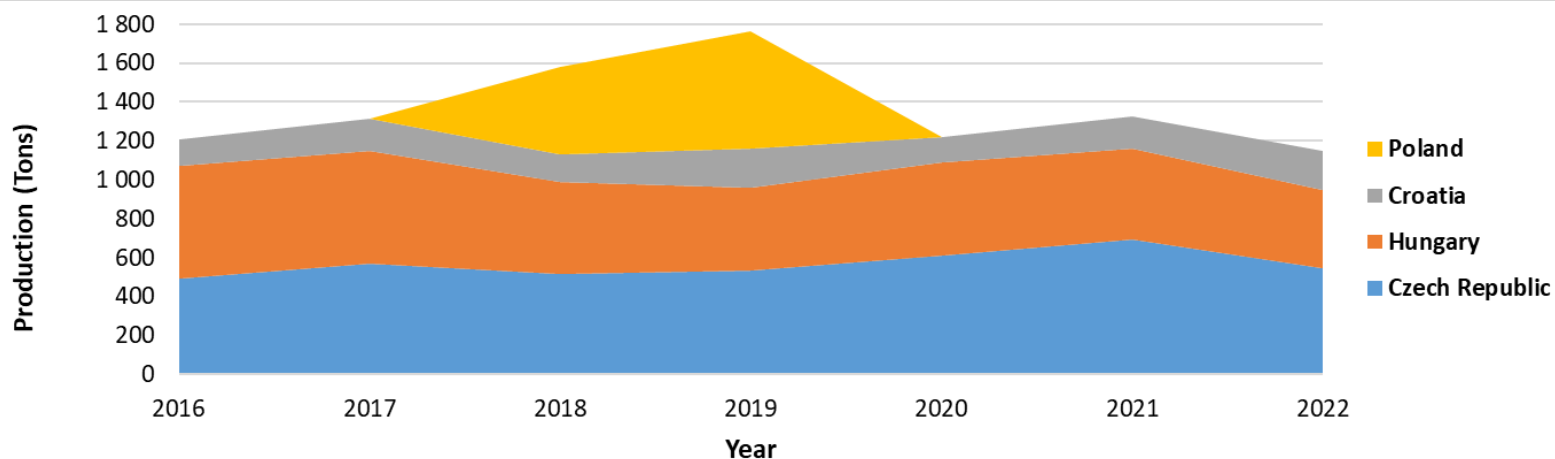


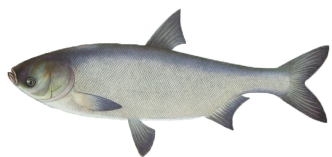
Grass Carp

Ctenopharyngodon idella



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Czech Republic	490	567	515	536	611	695	548
Hungary	583	579	474	425	476	465	402
Croatia	134	169	141	200	133	163	200
Poland	-	-	450	600	-	-	-
Grand total	1,207	1,315	1,580	1,761	1,220	1,323	1,150



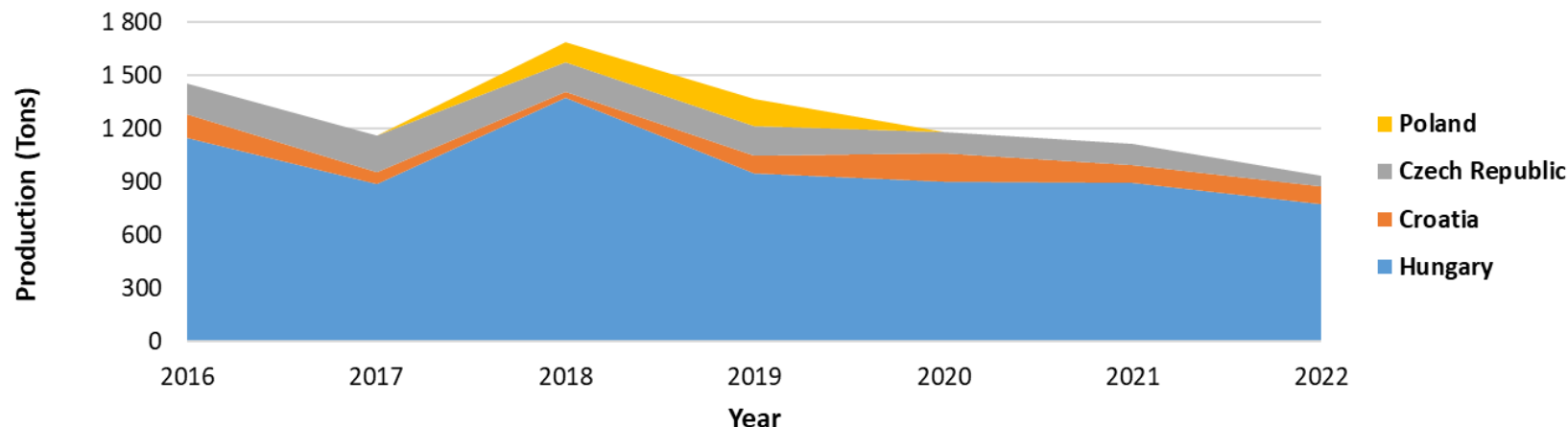


Silver Carp

Hypophthalmichthys molitrix



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Hungary	1,144	883	1,370	943	900	896	773
Czech Republic	172	203	168	167	115	119	63
Croatia	135	73	36	100	162	100	100
Poland	-	-	112	155	-	-	-
Grand total	1,451	1,159	1,686	1,365	1,177	1,115	936



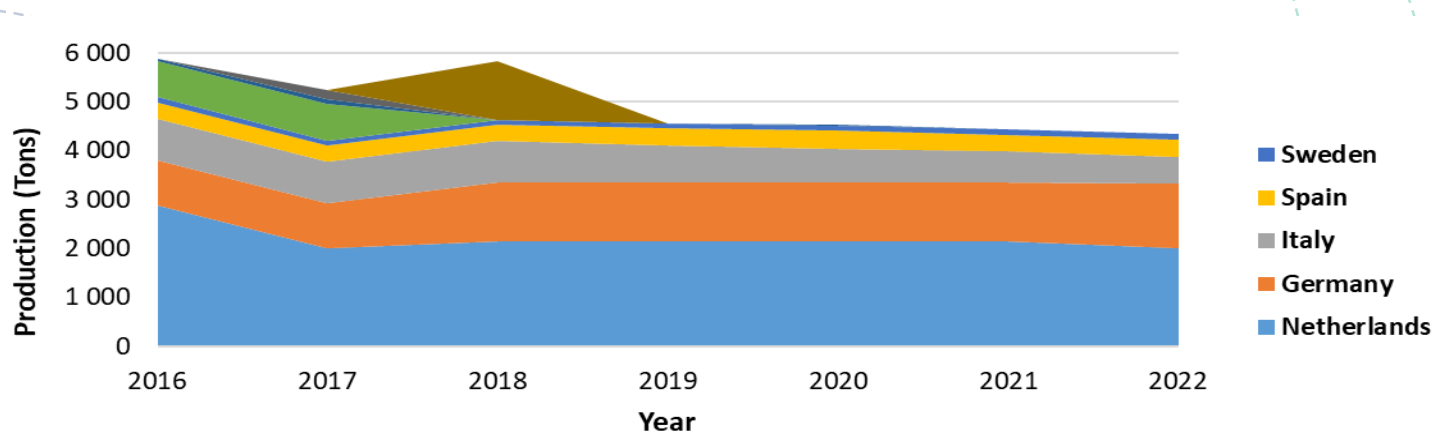


European Eel

Anguilla anguilla



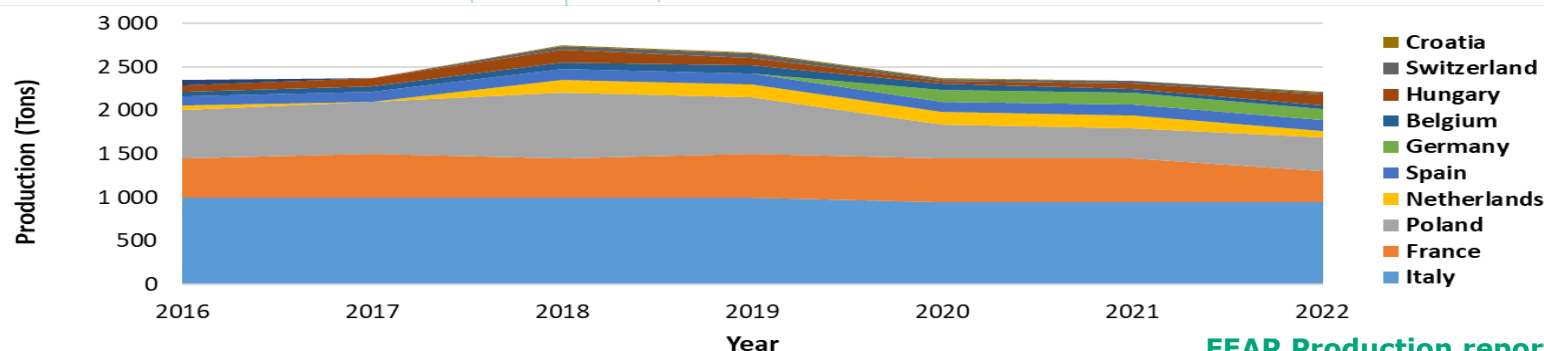
Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Netherlands	2,885	2,000	2,150	2,150	2,150	2,150	2,000
Germany	927	927	1,207	1,202	1,202	1,202	1,332
Italy	850	850	850	750	700	650	550
Denmark	750	750	-	-	-	-	-
Spain	315	330	330	360	360	320	350
Portugal	-	200	-	-	-	-	-
Sweden	117	105	100	96	110	110	110
Poland	51	86	1	11	11	-	-
Czech Republic	-	2	1	-	-	-	-
Greece	-	-	1,207	-	-	-	-
Grand total	5,895	5,250	5,846	4,569	4,533	4,432	4,342





Sturgeon spp. *Acipenser spp.* and *Huso spp.*

Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Italy	1,000	1,000	1,000	1,000	950	950	950
Poland	560	600	750	650	384	344	384
France	450	500	453	500	500	500	355
Spain	110	110	125	132	120	130	121
Hungary	76	97	139	87	28	71	124
Finland	60	-	-	-	-	-	-
Netherlands	50	5	150	150	150	150	80
Belgium	45	62	80	85	80	40	40
Czech Republic	2	2	-	-	-	-	-
Cyprus	1	2	-	-	-	-	-
Switzerland	-	-	47	56	27	27	27
Croatia	-	-	7	5	5	5	5
Germany	-	-	-	-	130	130	130
Grand total	2,354	2,378	2,751	2,665	2,374	2,347	2,216





Sturgeon spp. (caviar)

Acipenser spp. and Huso spp.



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Italy	38	51	52	53	50	55	62
France	30	37	45	33	33	33	42
Poland	15	20	24	28	27	42	36
Germany	15	16	20	22	21	21	21
Bulgaria*	7	8	6	10	9	9	9
Belgium	3	4	5	6	7	7	7
Moldova*	-	3	3	5	5	3	3
Romania*	-	3	3	4	4	4	4
Spain	6	5	7	3	3	4	4
Finland	4	4	5	3	3	0	0
Latvia*	-	3	3	3	3	3	3
Switzerland	1	2	3	2	2	2	2
Austria*	-	1	1	2	2	2	2
Belarus*	-	2	5	2	2	2	2
Ukraine*	-	2	-	2	2	2	2
Hungary	3	2	1	1	1	1	1
Netherlands	2	1	2	1	1	1	4
Greece	-	2	1	1	1	0	0
Grand total	124	165	185	181	176	191	204

*Not FEAP members

Sources : Member associations and WSCS (World Sturgeon Conservation Society)

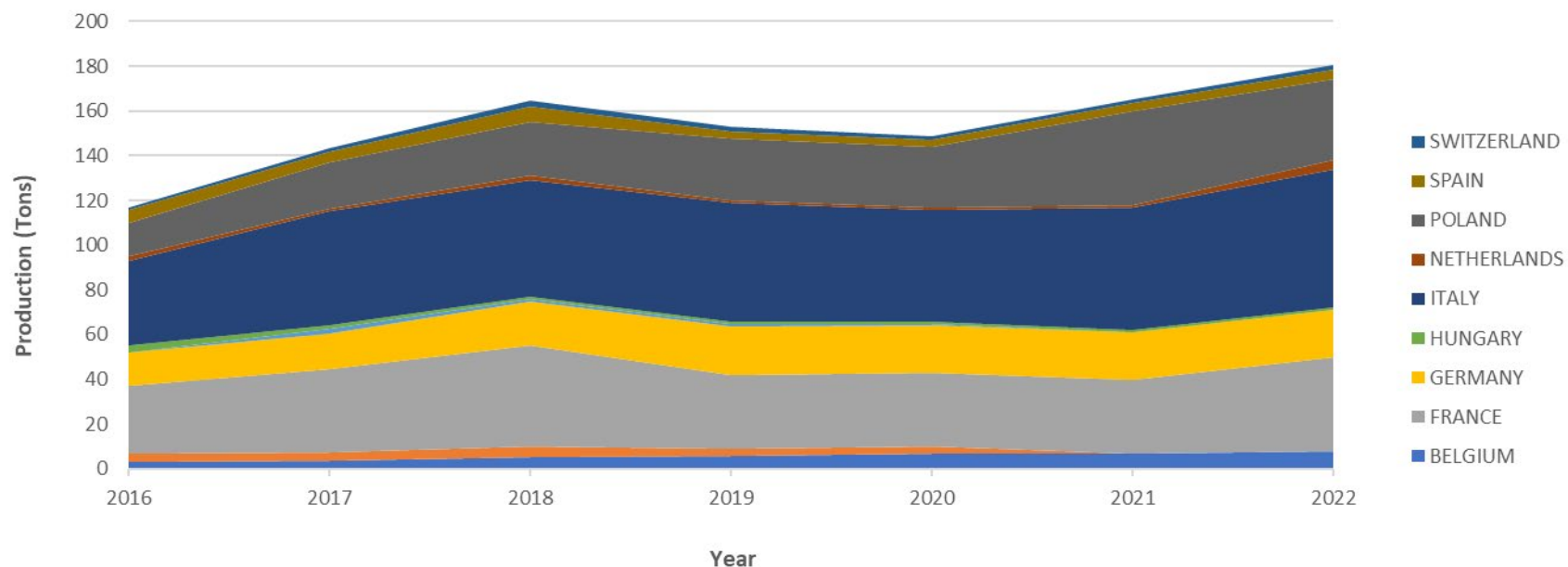


Sturgeon spp. (caviar)

Acipenser spp. and Huso spp.



This graph represents the caviar production only from FEAP members

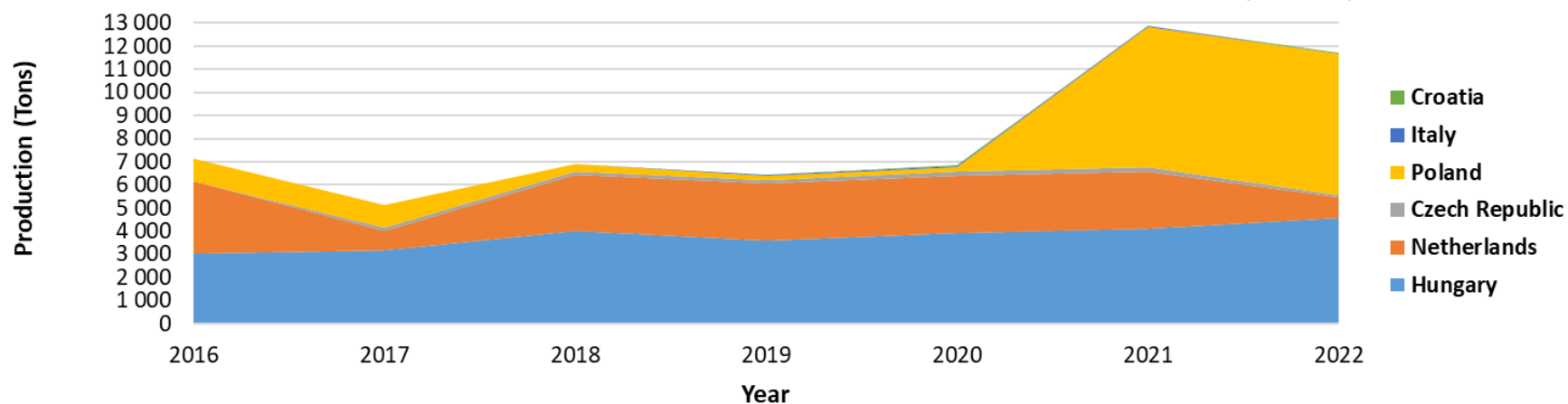




African Catfish

Clarias gariepinus

Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Hungary	3,039	3,174	3,987	3,610	3,900	4,108	4,558
Poland	1,000	1,000	300	185	185	6,100	6,100
Netherlands	3,100	847	2,470	2,470	2,470	2,470	900
Czech Republic	-	130	142	125	212	170	92
Croatia	-	-	20	20	32	19	19
Italy	-	-	-	40	50	25	25
Grand total	7,139	5,151	6,919	6,450	6,849	12,892	11,694





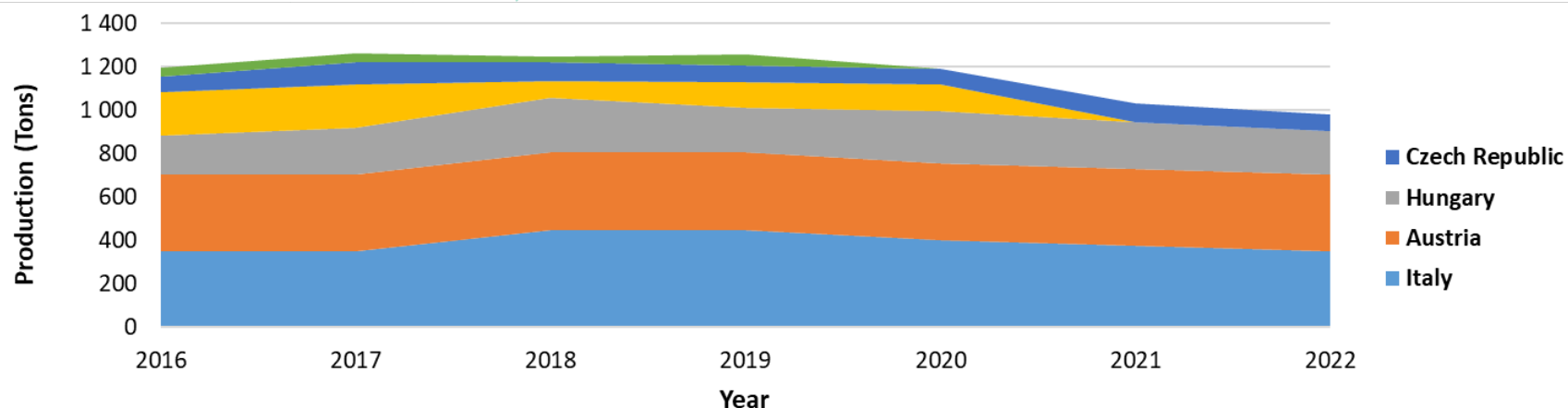
Wels Catfish (+ Channel Catfish)

Silurus glanis (+ *Ictalurus punctatus*)



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Austria	354	354	354	354	354	354	354
Italy*	350	350	450	450	400	375	350
Hungary	178	216	252	206	242	216	198
Poland	200	200	76	120	120	-	-
Czech Republic	74	100	91	76	73	84	78
Croatia	40	40	23	50	-	-	-
Grand total	1,196	1,260	1,246	1,256	1,189	1,029	980

*Channel Catfish and also includes a small quota of Black Bullhead Catfish (*Ameiurus melas*)



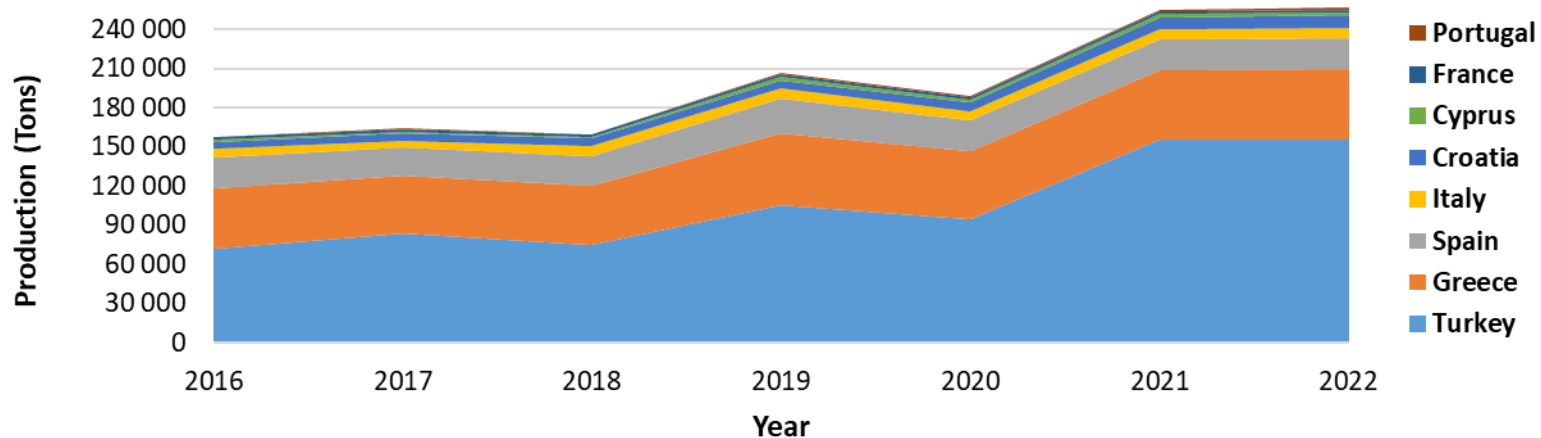


European Seabass

Dicentrarchus labrax



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turkey	72,342	84,000	75,000	105,000	95,000	156,000	156,000
Greece	46,000	44,000	45,500	55,200	52,000	52,500	54,000
Spain	23,445	21,269	22,460	27,335	22,886	23,934	23,536
Croatia	5,310	5,616	6,220	6,089	6,637	8,967	10,034
Italy	6,800	5,600	7,300	7,000	7,400	7,500	7,500
France	1,928	1,945	1,433	2,123	2,100	2,128	2,273
Cyprus	1,442	1,500	1,500	2,836	2,500	2,680	1,959
Portugal	427	701	200	882	904	954	1,275
Grand total	157,694	164,631	159,613	206,465	189,427	254,663	256,577



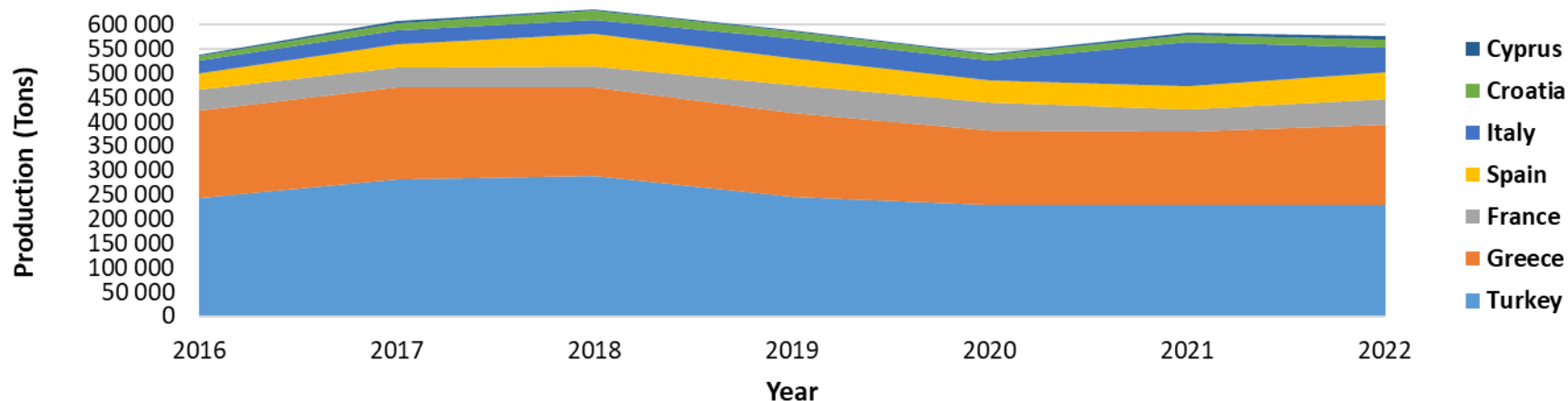


European Seabass (juveniles)

Dicentrarchus labrax



Production (Thousands of units)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turkey	242,500	281,000	290,000	245,000	230,000	230,000	230,000
Greece	180,000	191,000	182,000	173,000	153,000	151,000	164,000
France	43,437	40,994	42,753	57,777	58,000	44,794	53,218
Spain	34,129	46,109	66,569	55,244	45,784	48,330	55,375
Italy	26,000	30,000	30,000	40,000	40,000	90,000	50,000
Croatia	10,000	15,000	17,500	16,000	11,000	16,000	16,000
Cyprus	3,301	3,500	3,000	3,000	3,000	4,891	9,250
Grand total	539,367	607,603	631,822	590,021	540,784	585,015	577,843



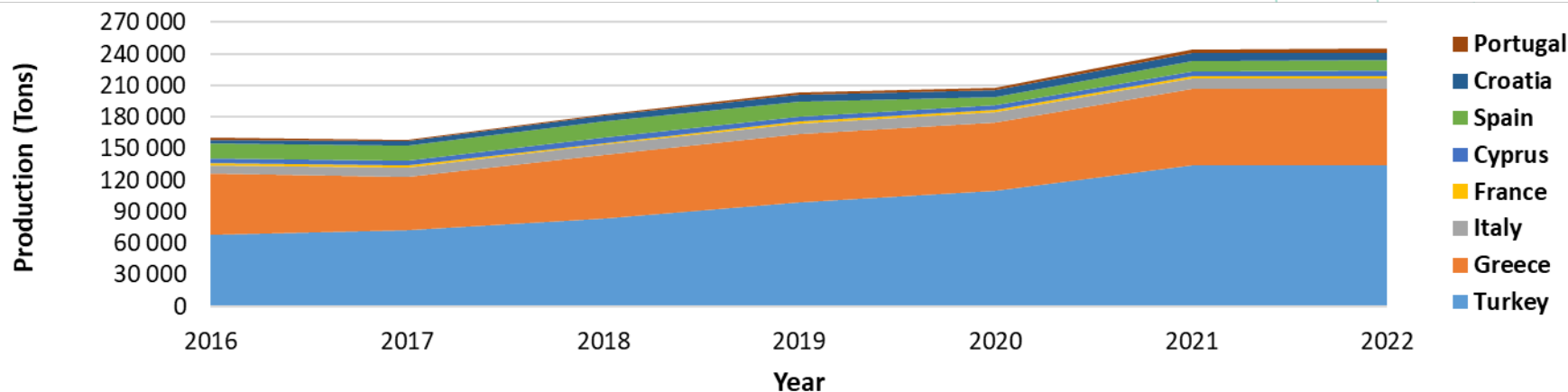


Gilthead Sea Bream

Sparus aurata



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turkey	67,612	72,000	83,000	99,000	110,000	134,000	134,000
Greece	59,000	51,000	61,000	65,300	65,000	73,050	72,700
Spain	13,740	13,643	14,930	13,521	7,170	9,632	9,572
Italy	7,600	9,000	9,700	9,100	9,400	9,600	10,100
Cyprus	5,136	5,000	5,000	5,168	5,000	5,097	5,496
Croatia	4,101	4,830	5,591	6,774	7,451	7,519	7,462
France	1,671	1,853	1,879	2,081	2,000	1,881	1,987
Portugal	1,196	1,038	898	1,953	1,768	3,091	4,085
Grand total	160,056	158,364	181,998	202,897	207,789	243,870	245,402



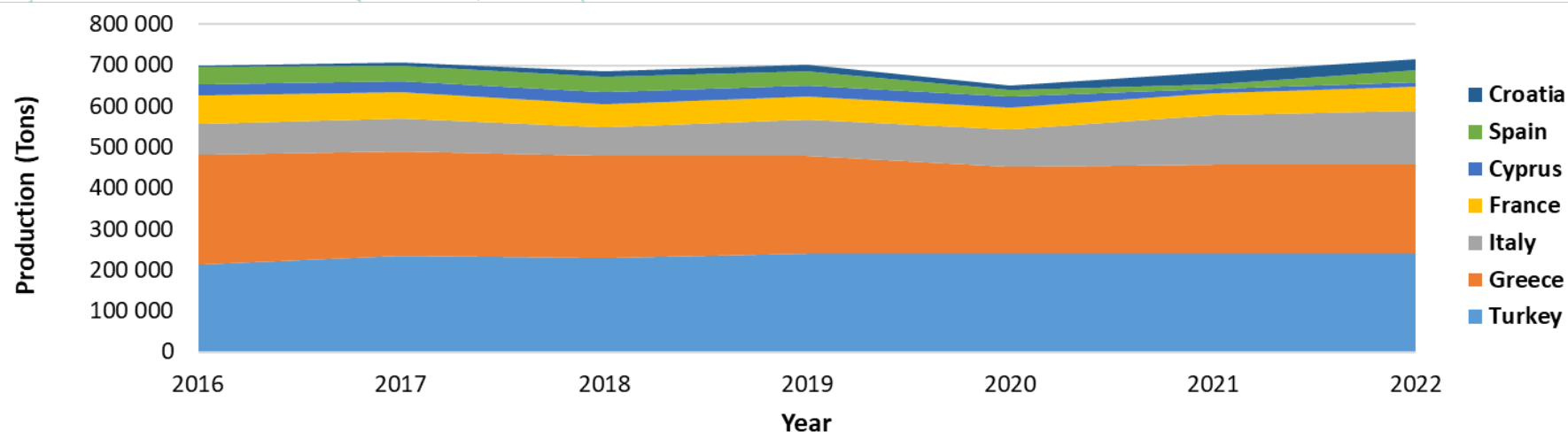


Gilthead Sea Bream (juveniles)

Sparus aurata



Production (Thousands of units)	Year						
	2016	2017	2018	2019	2020	2021	2022
Turkey	214,000	234,000	230,000	240,000	240,000	240,000	240,000
Greece	268,000	256,000	250,000	238,000	213,000	218,000	218,000
Italy	75,000	80,000	70,000	90,000	90,000	120,000	130,000
France	68,783	65,624	56,600	55,115	55,115	54,417	59,688
Cyprus	27,190	27,200	27,000	27,000	27,000	11,148	11,858
Spain	43,254	36,629	37,475	36,396	16,029	11,130	27,812
Croatia	4,000	8,000	14,200	15,000	10,000	28,000	28,000
Grand total	700,227	707,453	685,275	701,511	651,144	682,695	715,358

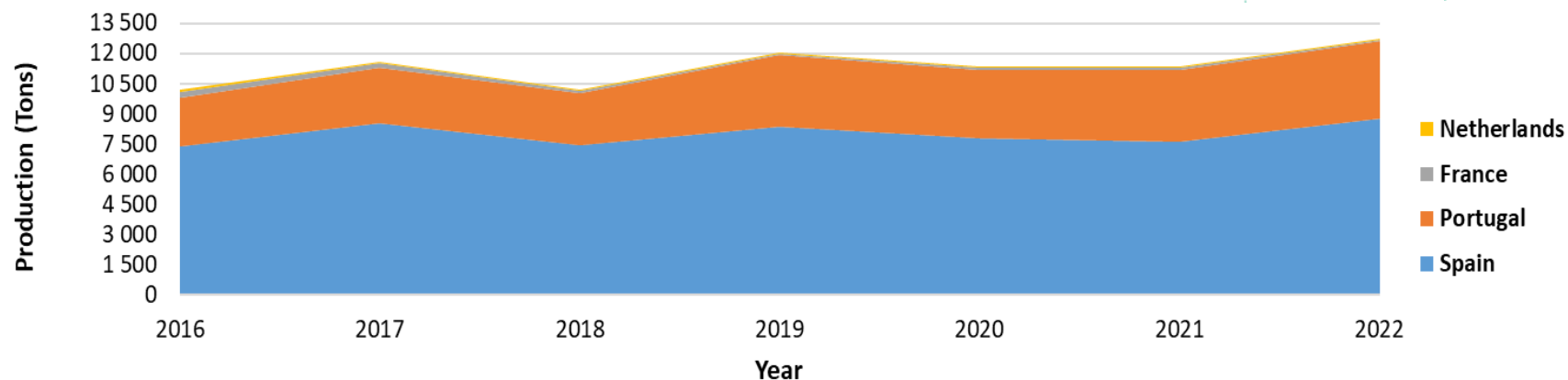




Turbot

Scophthalmus maximus

Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Spain	7,396	8,546	7,450	8,358	7,780	7,629	8,766
Portugal	2,388	2,745	2,582	3,580	3,407	3,538	3,825
France	288	207	116	65	100	100	100
Netherlands	100	60	60	60	60	60	30
Croatia	1	-	-	-	-	-	-
Grand total	10,173	11,558	10,208	12,063	11,347	11,327	12,721



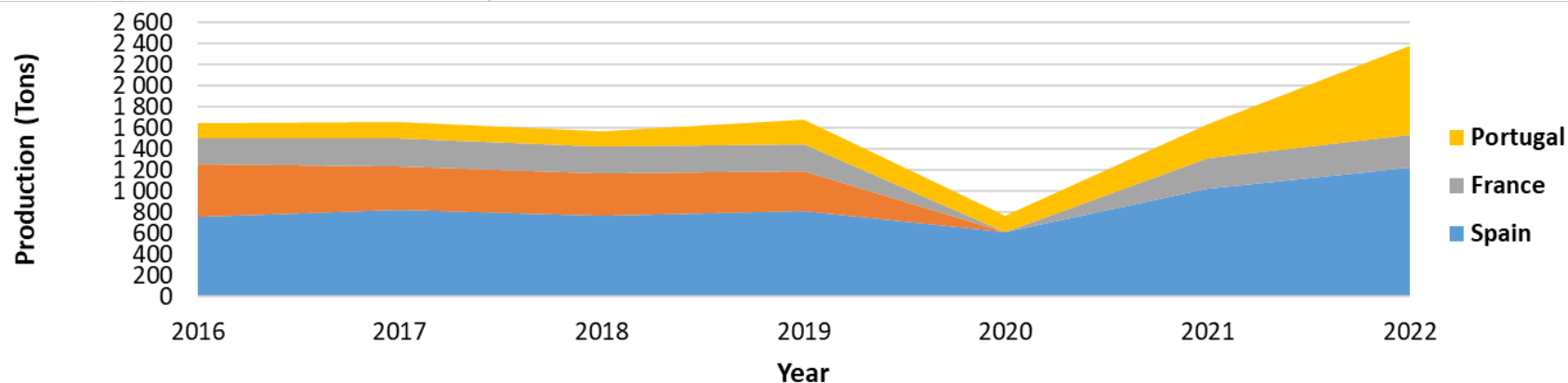


Sole

Solea solea and *Solea senegalensis*



Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Spain	755	830	774	818	620	1,020	1,222
Portugal	147	151	145	234	151	327	847
France	248	276	262	253	-	291	309
Iceland	500	400	391	377	-	-	-
Grand total	1,650	1,657	1,572	1,682	771	1,638	2,378

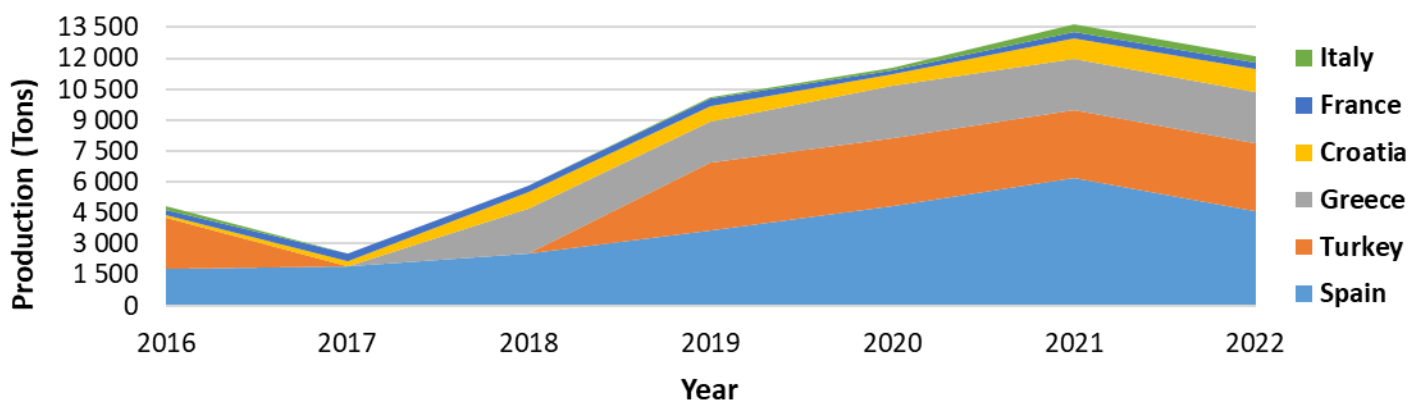




Meagre

Argyrosomus regius

Production (Tons)	Year						
	2016	2017	2018	2019	2020	2021	2022
Spain	1,798	1,932	2,500	3,650	4,840	6,167	4,558
Turkey	2,500	-	-	3,300	3,300	3,300	3,300
Greece	-	-	2,200	2,000	2,500	2,500	2,500
Croatia	125	253	808	725	593	999	1,090
France	236	326	289	390	200	304	360
Italy	190	-	-	50	100	400	300
Cyprus	10	10	-	-	-	-	-
Grand total	4,859	2,521	5,797	10,115	11,533	13,670	12,108



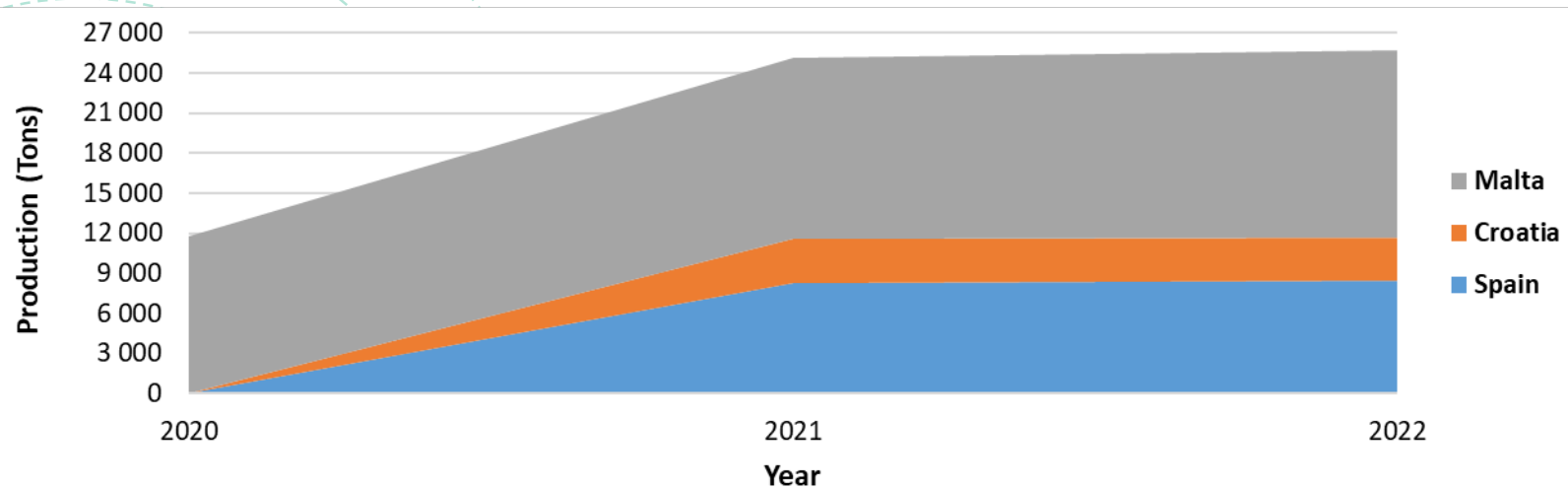


Bluefin Tuna

Thunnus thynnus



Production (Tons)	Year		
	2020	2021	2022
 Malta	11,790	13,549	14,000
 Spain		8,277	8,500
 Croatia		3,270	3,200
Grand total		25,096	25,700





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