



ATLANTIC SALMON (*SALMO SALAR*)



Source : [Information system on commercial designations](#)

BIOLOGY AND HABITAT

- **Species description** ([Read more](#))

Native to the Atlantic Ocean, the Atlantic salmon has been introduced throughout the world for aquaculture purposes.

- **Geographical distribution and habitat** ([Read more](#))

The wild Atlantic salmon lives in the Northern Atlantic Ocean, in rivers flowing into the North Atlantic, and, due to human introduction, in the North Pacific Ocean.

RESOURCE, EXPLOITATION AND MANAGEMENT

- **Stocks and resource status/conservation measures** ([Read more](#))

Minimum conservation size is established at 60 cm in all fishing areas, and 50 cm only in Bothnian Bay (Finland).

- **Production methods and fishing gears** ([Read more](#))

The main fishing gears used are drifnets, gillnets and similar nets, hooks and lines, and pots and traps. The species is also massively produced by aquaculture.



Atlantic salmon

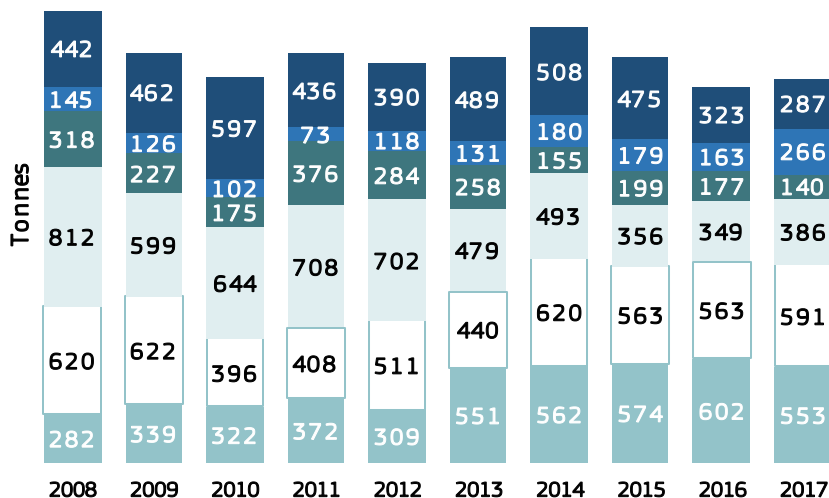


CATCHES

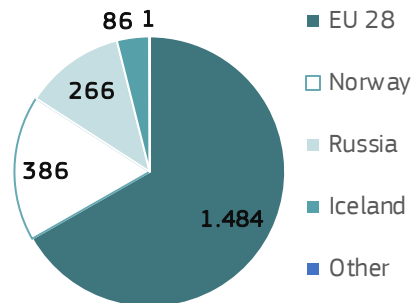
- The share of Atlantic salmon in the global catches is **0,002%** (FAO, 2017).
- Catches have decreased between 2008 and 2017 at global level (-15%) but have remained stable in the EU.

Evolution of world catches

■ Other ■ Russia ■ United Kindom ■ Norway ■ Finland ■ Sweden



Catches (2017, tonnes)

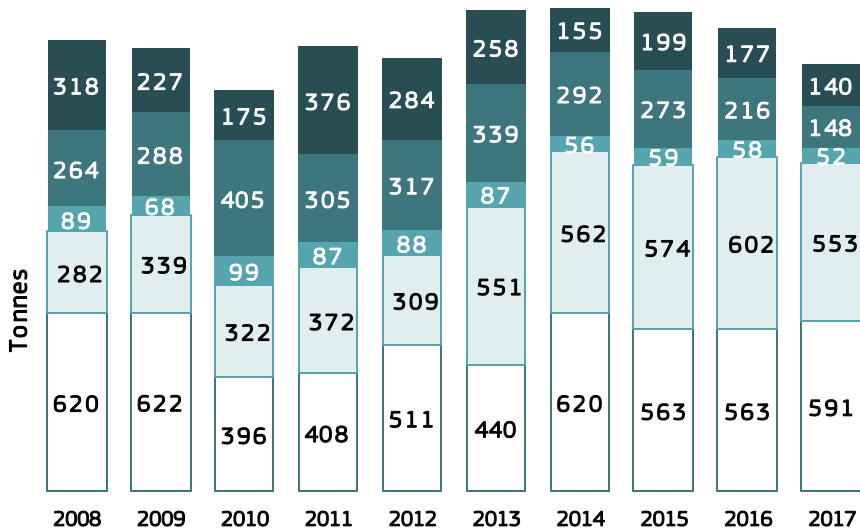


Source: FAO

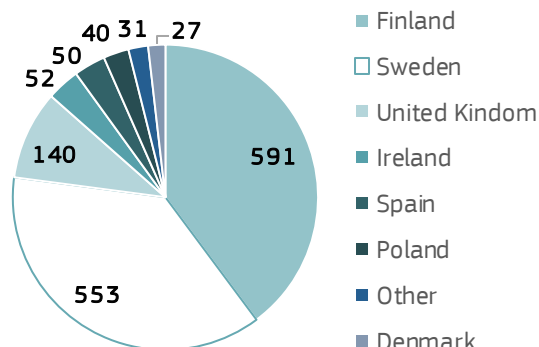
Evolution of EU catches

- In 2017, the EU provided **67%** of the global Atlantic salmon catches (vs. 57% in 2008).

■ United Kindom ■ Other ■ Ireland ■ Sweden ■ Finland



Catches (2017, tonnes)



Source: FAO

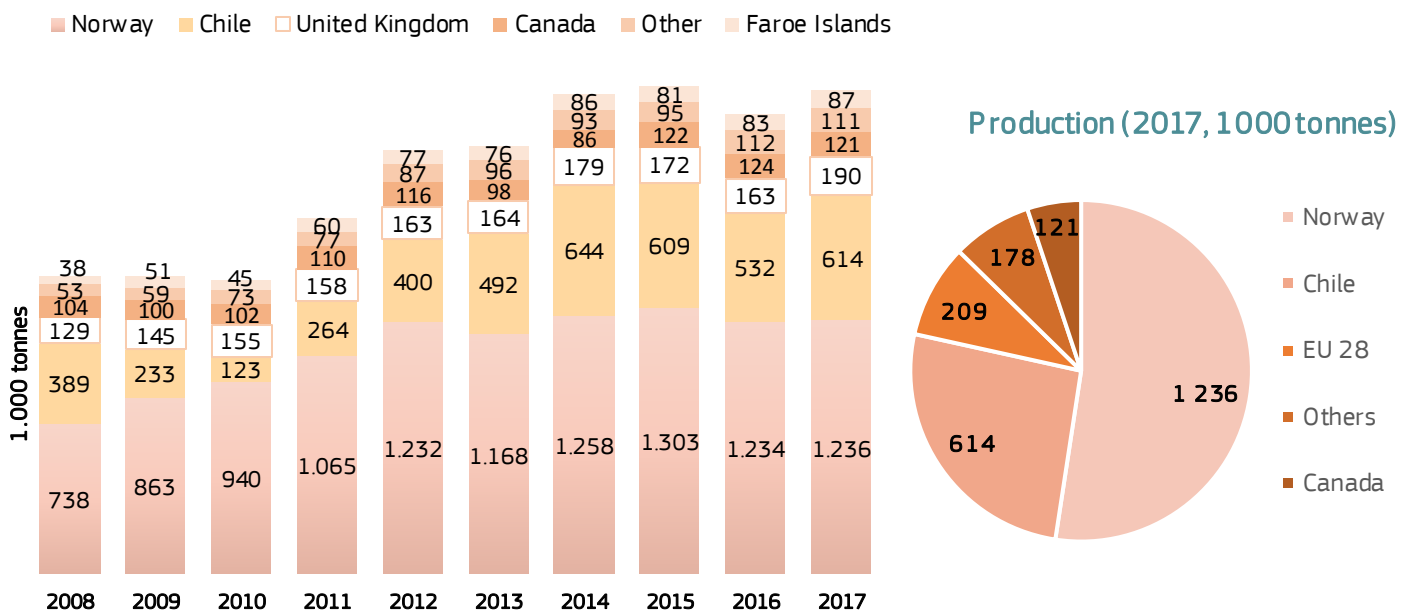
Atlantic salmon



AQUACULTURE PRODUCTION

Evolution of world production

The global production of Atlantic salmon has significantly increased in the last ten years (+63% from 2008 to 2017). Norway and Chile are the leaders of salmon production.



Source: FAO

Evolution of EU production

The United Kingdom remains the main EU producer of Atlantic salmon (91% of the EU production in 2017). Anecdotal volumes are produced in France, Spain and Portugal. EU production increased by 50% between 2008 and 2017.

MS	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
UK	129	145	155	158	163	164	179	172	163	190
Ireland	9	12	16	12	12	9	9	13	16	18
Other	0	0	0	0	0	0	0	0	1	1
Total	138	157	170	171	175	173	189	186	181	209

Source: FAO

Atlantic salmon



PROCESSING

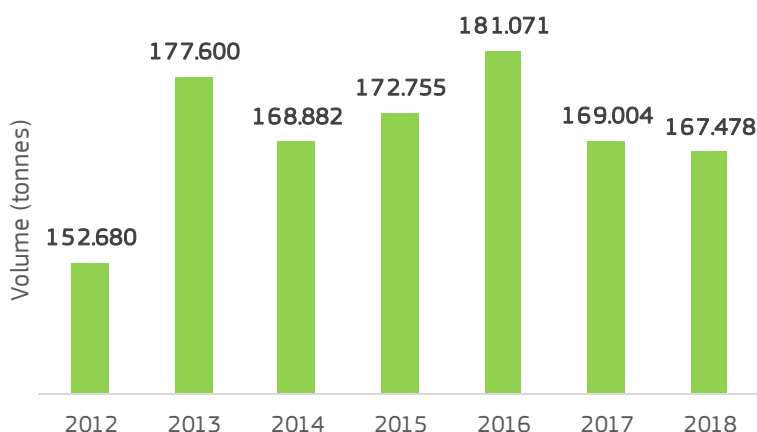
- A significant processing activity of Atlantic salmon exists (mainly smoking).
- 2 [PRODCOM](#) codes refer to Atlantic salmon:
 - 10202425: “Smoked Pacific, Atlantic and Danube salmon (including fillets, excluding heads, tails and maws)”.
 - 10202510: “Prepared or preserved salmon, whole or in pieces (excluding minced products and prepared meals and dishes)”.

- **Smoked salmon:**

The production of smoked salmon has increased over the last seven years (+10% between 2012-2018).

In 2018, Poland, the UK and Lithuania were the main producers of smoked salmon in the EU, covering 34%, 14% and 10% of the EU production, respectively.

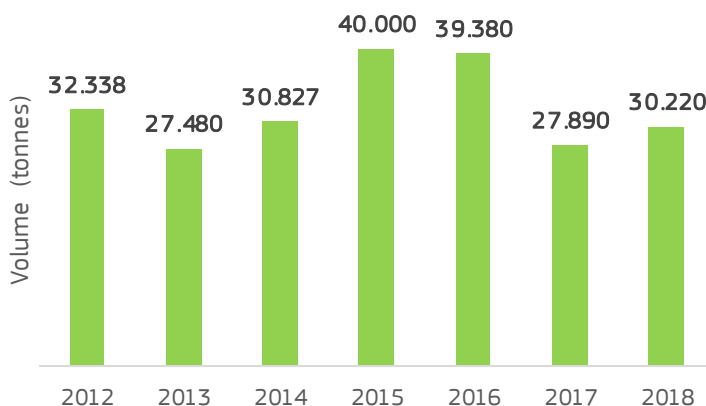
EU production of smoked salmon



- **Prepared or preserved salmon:**

Between 2012 and 2018, the EU production of prepared or preserved salmon has fluctuated, with an overall decreasing trend over this period (by -7%). The UK, Poland and Lithuania are the main producers. In 2018, they provided 75% of the EU production.

EU production of prepared or preserved salmon



Atlantic salmon



TRADE

- Combined nomenclature ([Read more](#))

EU trade of Atlantic salmon products (tonnes - 2018)

CN code	Product	EU imports		EU exports	
		Intra-EU	Extra-EU	Intra-EU	Extra-EU
03019911	Live Pacific salmon , Atlantic salmon and Danube salmon	5.083	57	187	34
03021400	Fish, fresh or chilled, excluding fish fillets and other fish meat of heading, Atlantic salmon (<i>Salmo salar</i>) and Danube salmon (<i>Hucho hucho</i>)	498.569	763.549	684.231	39.578
03031300	Fish, frozen, excluding fish fillets and other fish meat of heading, Atlantic salmon (<i>Salmo salar</i>) and Danube salmon (<i>Hucho hucho</i>)	20.934	7.803	14.658	10.437
03044100	Fish fillets and other fish meat (whether or not minced), fresh or chilled, Pacific salmon, Atlantic salmon and Danube salmon	77.105	35.853	78.307	14.861
03045200	Fish fillets and other fish meat (whether or not minced), fresh or chilled, Salmonidae	1.541	49	1.475	4
03048100	Fish fillets and other fish meat (whether or not minced), frozen, Pacific salmon, Atlantic salmon (<i>Salmo salar</i>) and Danube salmon (<i>Hucho hucho</i>)	53.025	78.872	65.290	18.230
03053910	Pacific salmon, Atlantic salmon (<i>Salmo salar</i>), and Danube salmon (<i>Hucho hucho</i>), salted or in brine	4.572	15	1.729	113
03054100	Smoked, including fillets, other than edible fish offal Pacific salmon, Atlantic salmon and Danube salmon	96.110	1.422	97.119	12.456
03056950	Salted but not dried or smoked and fish in brine, other than edible fish offal, Pacific salmon, Atlantic salmon (<i>Salmo salar</i>) and Danube salmon (<i>Hucho hucho</i>)	2.723	-	580	8
16041100	Prepared or preserved salmon, whole or in pieces, but not minced	23.413	11.749	22.938	2.297
16042010	Prepared or preserved salmon, other	8.411	253	4.420	969

In EUROSTAT-COMEXT, Atlantic salmon (*Salmo salar*) is combined with Pacific salmon and/or Danube salmon.

Source: EUROSTAT-COMEXT

Atlantic salmon



TRADE

- Combined nomenclature [\(Read more\)](#)

EU trade of Atlantic salmon products (tonnes - 2018)

- **Main extra-EU destinations are:**

- for fresh or chilled salmon (whole): USA (20.038 tonnes) and China (9.722 tonnes),
- for fresh or chilled salmon (fillets): USA (9.523 tonnes) and Switzerland (2.530 tonnes),
- for frozen salmon (fillets): Vietnam (5.974 tonnes) USA (3.638 tonnes) and Israel (1.893 tonnes),
- for smoked salmon: USA (3.801 tonnes), Switzerland (2.937 tonnes) and Australia (2.271 tonnes).

- **Main extra-EU suppliers are:**

- for fresh or chilled salmon: Norway (728.214 tonnes), Feroe Islands (27.742 tonnes) and Iceland (7.012 tonnes),
- for fresh or chilled salmon fillets: Norway (34.457 tonnes) and Feroe Islands (885 tonnes),
- for frozen fish fillets: China (34.044 tonnes), Norway (20.380 tonnes) and Chile (15.682 tonnes).

Source: EUROSTAT-COMEXT

Atlantic salmon



PRICES ALONG THE SUPPLY CHAIN (EUR/kg)

First-sale (fresh)

First-sale prices are presented for Sweden and the UK, which are among the main EU producers.

	2010	2011	2012	2013	2014	2015	2016	2017	2018	Source
Sweden	n.a.	7,57	4,57	4,43	3,98	4,07	4,74	3,92	3,79	EUMOFA
UK	12,77	7,56	11,76	8,51	14,30	21,98	11,65	10,58	17,69	EUMOFA

Wholesale (fresh)

Wholesale prices are provided for Mercamadrid in Spain, the major wholesale market in the EU.

Most frequent price	2011	2012	2013	2014	2015	2016	2017	2018	Source
Spain (Madrid)	5,11	4,61	5,92	5,79	5,51	7,95	7,71	7,81	Mercamadrid

Retail/consumption

Retail prices refer to UK, France and Spain, which are the major consumer countries in the EU.

	2010	2011	2012	2013	2014	2015	2016	2017	2018	Source
France (whole aquaculture)	8,43	8,69	7,68	9,22	9,29	9,26	11,09	12,35	11,60	EUMOFA
Spain (whole)	9,99	10,44	9,99	10,90	11,48	11,10	12,85	13,77	14,16	EUMOFA
UK (whole)	n.a.	n.a.	n.a.	15,10	15,36	16,14	15,01	16,32	15,92	EUMOFA

Import (fresh whole)

Import prices are provided for the three main importers of in the EU. Sweden and Denmark, however, act as hubs and re-export almost all products to the main EU markets for salmon (Poland, Germany, UK and France).

	2010	2011	2012	2013	2014	2015	2016	2017	2018	Source
Denmark	4,75	4,20	3,70	5,10	4,93	4,81	6,42	6,59	6,34	EUMOFA
Sweden	4,75	4,18	3,72	5,06	4,92	4,81	6,39	6,50	6,32	EUMOFA
UK	5,00	4,65	4,33	5,65	5,75	5,9	6,89	7,06	7,05	EUMOFA

Export (fresh whole)

Export prices refer to Sweden, Denmark and UK, main exporters of fresh salmon in EU.

	2010	2011	2012	2013	2014	2015	2016	2017	2018	Source
Denmark	4,79	4,32	3,79	5,26	5,04	4,95	6,47	6,83	6,50	EUMOFA
Sweden	4,72	4,19	3,73	5,02	5,06	4,96	6,51	6,69	6,51	EUMOFA
UK	5,28	5,72	5,32	5,97	6,07	6,36	7,41	7,44	7,63	EUMOFA

Atlantic salmon



MARKETING ASPECTS

- Commercial designations in all EU official languages ([Read more](#))
- Common marketing standards ([Read more](#))

CONSUMPTION

- Third most consumed species in the EU after tuna and cod.
- Apparent consumption per capita in 2017: **2,24 kg** live weight equivalent (source: [The EU Fish Market – 2019 edition](#), EUMOFA)
- Nutritional value (Atlantic salmon, Norway/Scotland, fresh fillet, values per 100 g – source : NUTRAQUA/AQUIMER)

Nutritional value	Atlantic salmon
kilo calories (kcal)	198
Kilojoule (kJ)	824
Water (g)	65,6
Ashes (g)	1,2
Proteins (g)	20
Carbohydrates (g)	0,2
Lipids (g)	12,9
Cholesterol (mv)	55,9
Omega 6 (mg)	1188
Omega 3 (mg)	2282
EPA (mg)	612
DHA (mg)	869