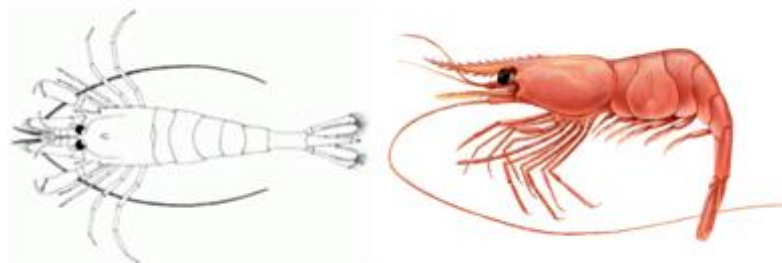




COLDWATER SHRIMPS (*CRANGON* AND *PANDALUS*)



Crangon crangon (1) and *Pandalus borealis* (2)

Source : Information system on commercial designations [\(1\)](#) [\(2\)](#)

BIOLOGY AND HABITAT

- **Species description** (Read more [\(1\)](#) [\(2\)](#))

The *Crangon* shrimp, also called common shrimp or brown shrimp, belongs to the family of Crangonidae.

Pandalus shrimp, also called Northern prawn or pink shrimp, belongs to the family of Pandalidae.

Both shrimp families are fished and marketed within the EU.

- **Geographical distribution and habitat** (Read more [\(1\)](#) [\(2\)](#))

Crangon shrimps can be found in the North Atlantic Ocean, in the Mediterranean Sea, in the Black Sea and in European inland waters, but are mostly caught in the North Sea.

Pandalus can be found in Northern Atlantic and in the Pacific Ocean.

RESOURCE, EXPLOITATION AND MANAGEMENT

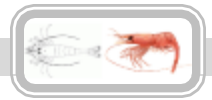
- **Stocks and resource status/conservation measures** (Read more [\(2\)](#))

TACs are set for *Pandalus borealis*.

Fishing opportunities for *Pandalus borealis* in the framework of the Fisheries Partnership Agreement with Greenland (7.700 tonnes).

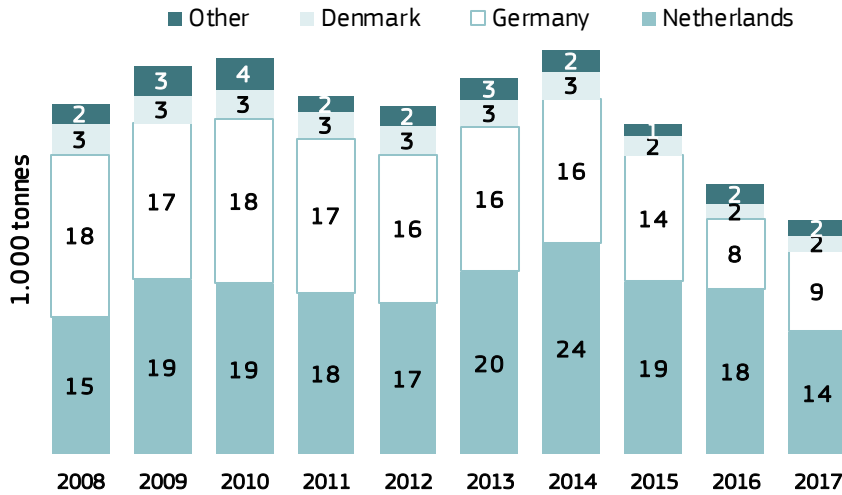
- **Production methods and fishing gears** (Read more [\(1\)](#) [\(2\)](#))

The main fishing gears used are trawls, beam trawls, bottom pair trawls and otter twin trawls.

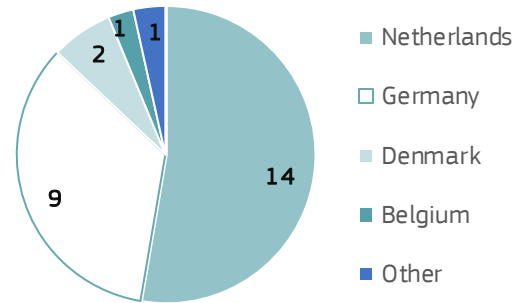


CATCHES

Evolution of world catches of common shrimps (*Crangon crangon*)



Catches (2017, 1.000 tonnes)

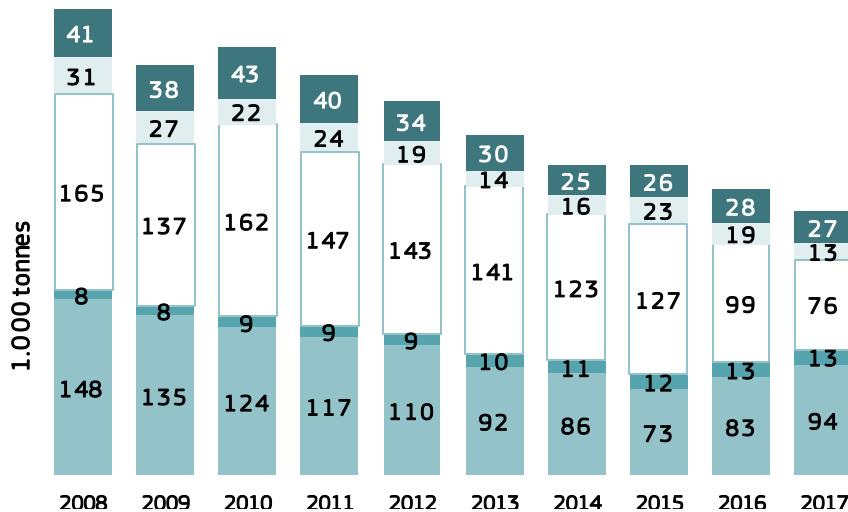


Source: FAO

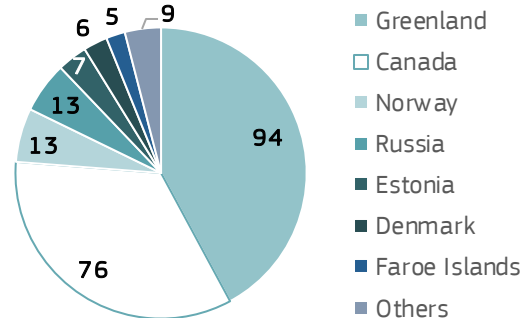
- The EU provides the totality of world catches of common shrimps. In 2017, the Netherlands and Germany accounted for 87% of EU common shrimp production.
- Over the last decade (2008-2017), the EU common shrimp production has decreased by -33%, driven mainly by the decrease of the German catches (by -50%).

Evolution of the world catches of Northern prawn (*Pandalus borealis*)

Other Norway Canada Russia Greenland

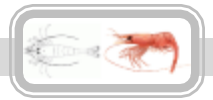


Catches (2017, 1.000 tonnes)



Source: FAO

- The world production of Northern prawn has steadily decreased over the last decade (2008-2017), with a total decline of 43%. During the same period, Greenland and Canada have been the main producers. They accounted for 76% of the world production in 2017.
- In 2017, the EU only provided 8% of the global Northern prawn catches. Main EU producers are Estonia and Denmark.



AQUACULTURE PRODUCTION

There is no aquaculture production for common shrimp and Northern prawn.

PROCESSING

- The common shrimp is always cooked onboard the fishing vessels.
- 1 [PRODCOM](#) code partly refers to shrimps but covers the full range of crustaceans and molluscs:
10203400 : Prepared or preserved crustaceans, molluscs and other aquatic invertebrates and seaweed, not dried, salted or in brine.

The main producer of prepared crustaceans is Denmark, which produced 16.053 tonnes of prepared crustaceans in 2016 (source: Danish Yearbook of Fishery Statistics).



TRADE

EU trade of cold-water shrimp products (2018, tonnes)

CN code	Product	EU imports		EU exports	
		Intra-EU	Extra-EU	Intra-EU	Extra-EU
03061691	Shrimps of the species <i>Crangon crangon</i> , frozen	6.660	13	5.083	4.609
03061699*	Shrimps and prawns of the species <i>Pandalus spp.</i> , frozen	23.871	50.364	19.535	38.145
03063510	Shrimps of the species <i>Crangon crangon</i> , fresh or chilled	14.258	-	10.527	13.024
03063550	Shrimps of the species <i>Crangon crangon</i> , live	50	1	809	4.059
03063590*	Shrimps and prawns of the species <i>Pandalus spp.</i> , live, fresh or chilled	2.917	393	1.162	41
03069511	Shrimps of the species <i>Crangon crangon</i> , cooked by steaming or by boiling in water	5.805	1	12.485	3.149
03069519	Shrimps of the species <i>Crangon crangon</i> , dried, salted, smoked or in brine	62	-	209	9
03069520*	Prawns of the species <i>Pandalus spp.</i> , cooked by steaming or by boiling in water, dried, salted, smoked or in brine	652	620	1.372	4
03069540*	Shrimps of the genus <i>Crangon</i> , cooked by steaming or by boiling in water, or dried, salted, smoked or in brine	69	-	160	1

* These product categories include other shrimp species than common shrimp and Northern prawn.

- **Main extra-EU destinations are:**
 - for live, fresh and chilled coldwater shrimps: Morocco (12.797 tonnes), Greenland (2.029 tonnes) and Norway (1.460 tonnes);
 - for frozen coldwater shrimps: China (15.432 tonnes), Russia (7.517 tonnes) and Morocco (6.854 tonnes).
 - for coldwater shrimps cooked or boiled in water: Morocco (3.145 tonnes).
- **Extra EU imports concern mainly frozen shrimps. Main extra-EU suppliers are:** China (15.432 tonnes), Russia (7.517 tonnes) and Morocco (6.854 tonnes).

Source: EUROSTAT-COMEXT



PRICES ALONG THE SUPPLY CHAIN (EUR/kg)

First-sale (fresh, frozen and boiled/cooked)

First-sale prices are provided for fresh, frozen and boiled/cooked shrimps in the main producer Member States. Fresh shrimps constitute only limited share of first sale.

	2011	2012	2013	2014	2015	2016	2017	2018	Source
Common shrimp									
Denmark (boiled)	n.a.	n.a.	4,28	3,78	3,45	8,48	8,12	5,09	EUMOFA
Germany (boiled)	1,93	4,05	3,6	4,52	3,44	8,67	7,03	8,83	EUMOFA
Netherlands (boiled)	2,23	4,31	3,81	3,35	3,71	7,35	7,31	3,29	EUMOFA
Northern prawn									
Denmark (fresh)	4,93	5,14	3,66	2,45	2,64	2,88	2,5	2,55	EUMOFA
Denmark (frozen)	1,87	1,52	1,74	1,45	12,4	1,81	3,98	3,44	EUMOFA
Sweden (boiled)	10,5	11,01	12,46	12,64	10,4	11,38	10,81	9,40	EUMOFA

Wholesale (fresh, frozen and boiled/cooked)

Wholesale prices are provided for Rungis in France (fresh and frozen common shrimp and boiled Northern prawn) and Mercamadrid in Spain (fresh common *shrimps*).

Average price (FR) / Most frequent price (ES)	2011	2012	2013	2014	2015	2016	2017	2018	Source
France – Fresh common shrimp	17	15,5	17,5	16	15	16	16	17,5	RNM
France - Frozen common shrimp	16,5	15,5	15,5	16	16	16	16	16,5	RNM
France – Boiled Northern prawn	17,16	16,75	18,33	19,5	20,33	19,33	19,33	19,33	RNM
Spain – Fresh common shrimp	30,8	30,55	30,89	27,95	37,62	60,29	65,36	56,24	Mercamadrid

Retail/consumption

Retail prices refer to coldwater shrimps.

	2011	2012	2013	2014	2015	2016	2017	2018	Source
Belgium (common shrimp, fresh)	32,1	39,3	44,9	39,7	35,5	-	-	-	EUMOFA
Netherlands (Northern prawn, fresh)	-	19,8	19,6	20,8	22,7	22	22,1	22	EUMOFA



PRICES ALONG THE SUPPLY CHAIN (EUR/kg)

Import (frozen)

Import prices are provided for Denmark (mainly from extra-EU countries) and Sweden (from other EU Member States).

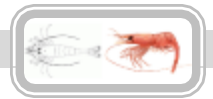
Prices concern the MCS coldwater shrimps of EUMOFA, without distinguishing the two species.

	2011	2012	2013	2014	2015	2016	2017	2018	Source
Denmark	2,49	2,62	2,84	2,96	3,51	3,68	3,55	3,30	EUMOFA
Sweden	3,58	4,39	4,88	5,57	6,39	6,73	5,47	5,04	EUMOFA

Export (frozen)

Export prices are provided for Denmark (mainly to extra-EU countries).

	2011	2012	2013	2014	2015	2016	2017	2018	Source
Denmark	2,90	3,74	3,86	4,05	5,04	5,20	4,89	4,83	EUMOFA



MARKETING ASPECTS

- Commercial designations in all EU official languages (Read more [\(1\)](#) [\(2\)](#))
- Common marketing standards (Read more [\(1\)](#) [\(2\)](#))

CONSUMPTION

- Apparent consumption of crustaceans caught in the wild, per capita in 2017: **1,09 kg** live weight equivalent (source: [The EU Fish Market – 2019 edition](#), EUMOFA)
- Nutritional value (Northern prawn, raw, values per 100 g – source : [USDA/National Nutrient Database for Standard Reference](#))

Nutritional value	Northern prawn - Pandalus borealis
kilo calories (kcal)	85
Water (g)	78,5
Proteins (g)	20,1
Carbohydrates (g)	0
Lipids (g)	0,51
Cholesterol (mg)	161