

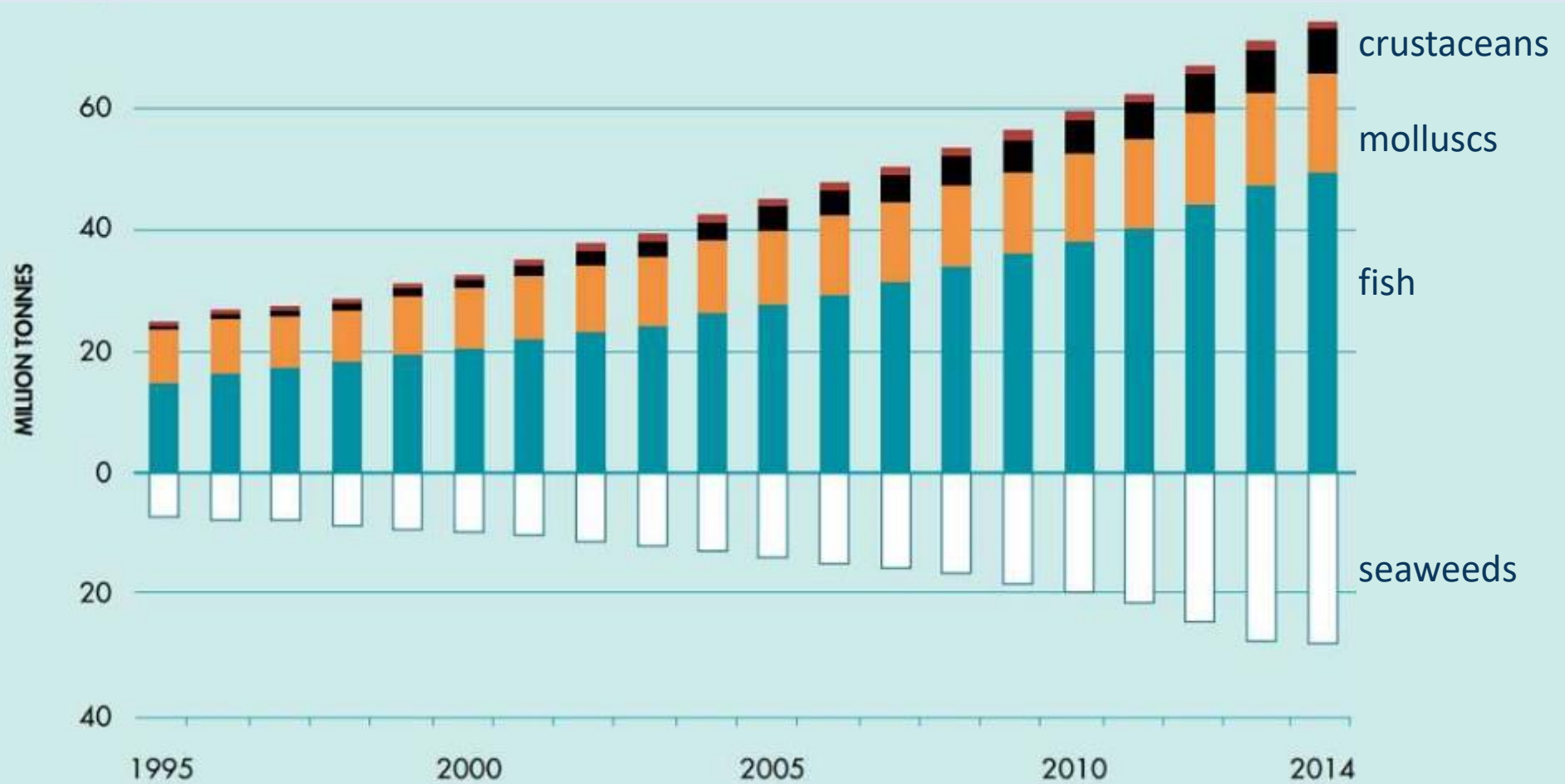
# Flat oyster potential



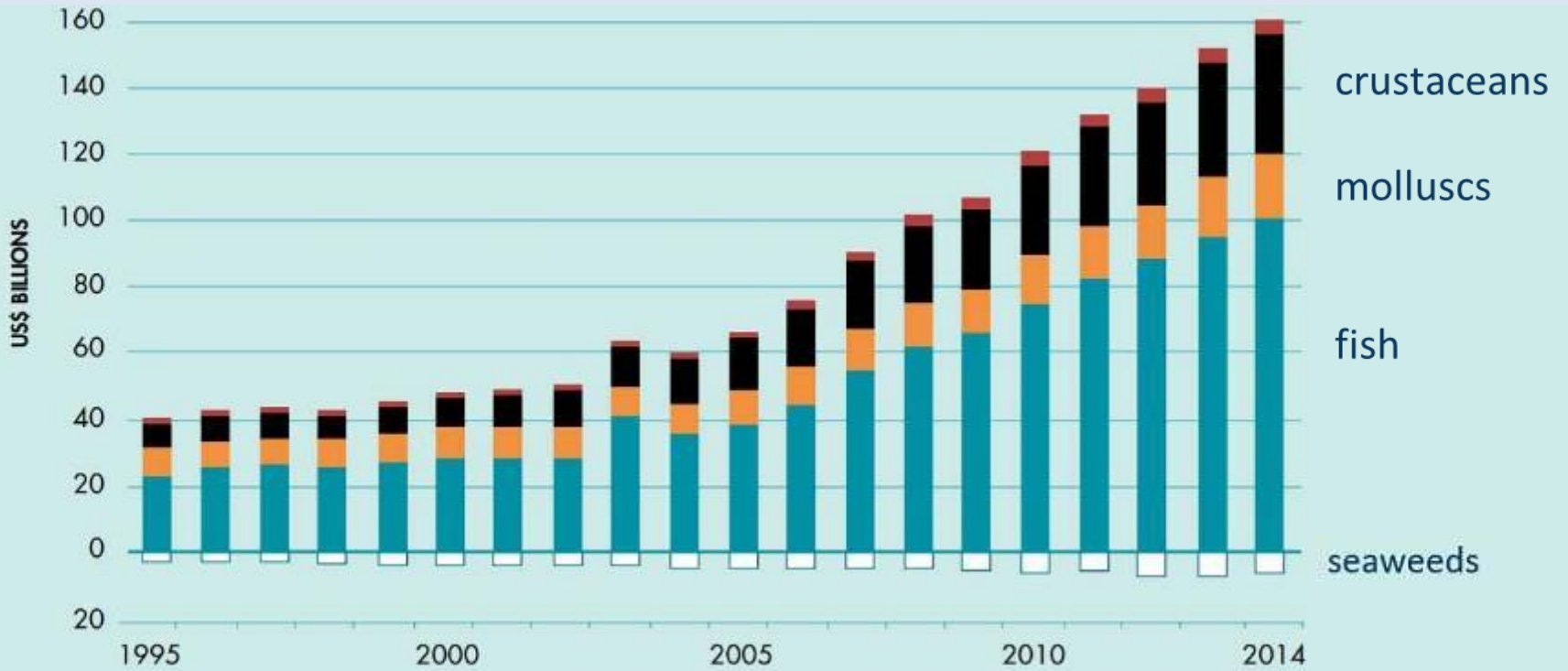
**Patrick Sorgeloos**  
**Vlaams Aquacultuur Platform**

Belgian Flat Oyster Day - 24 November 2020

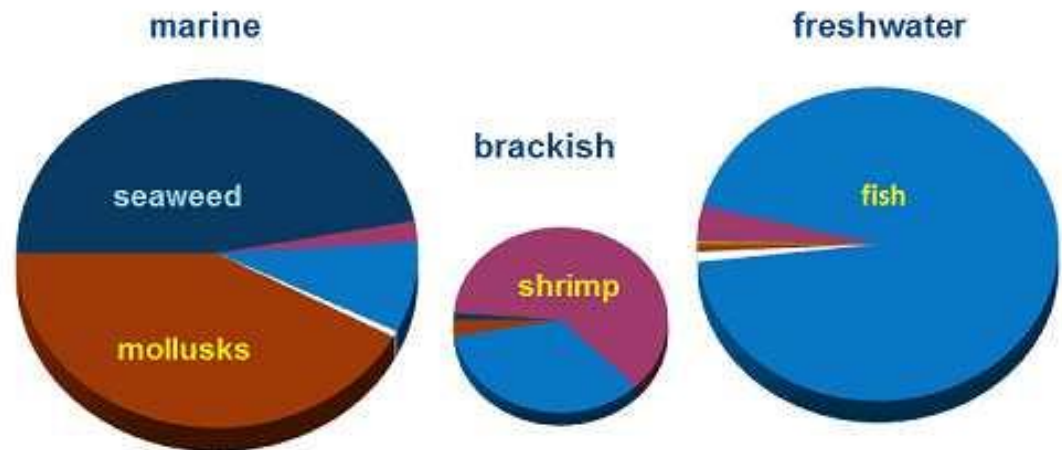
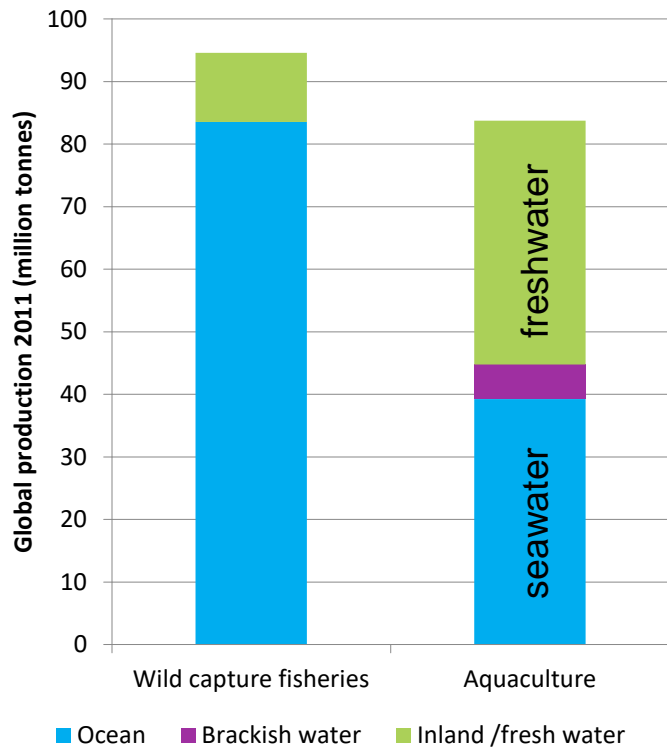
# WORLD AQUACULTURE PRODUCTION - VOLUME



# WORLD AQUACULTURE PRODUCTION - VALUE



# The global seafood production



**Table 4.** Major organisms produced in world mariculture in 2018.

	<i>Saccharina japonica</i> (kombu)	11,448.3
	<i>Eucheuma</i> spp.	9,412.4
→	<i>Crassostrea</i> spp. (oysters)	5,814.6
	<i>Penaeus vannamei</i> (whiteleg shrimp)	4,966.2
→	<i>Ruditapes philippinarum</i> (Manila clam)	4,139.2
	<i>Gracilaria</i> spp.	3,454.8
	<i>Porphyra</i> spp.	2,872.8
	<i>Salmo salar</i> (Atlantic salmon)	2,435.9
	<i>Undaria pinnatifida</i> (wakame)	2,320.4
→	Sea scallops	1,918.0
	<i>Kappaphycus</i> spp.	1,597.3
→	Mussels	1,570.7
→	<i>Sinovovacula constricta</i> (Chinese razor clam)	852.9
	<i>Penaeus monodon</i> (giant tiger prawn)	750.6
→	<i>Anadara granosa</i> (blood cockle)	433.4
	<i>Sargassum</i> spp.	268.7
	<i>Apostichopus japonicus</i> (Japanese sea cucumber)	176.8

Brown seaweeds (brown), red seaweeds (red), molluscs (green), crustaceans (yellow), finfish (grey), and holothurians (blue). Numbers are in thousand tonnes live weight (FAO 2020a).

# Priorities for future aquaculture

## EXTRACTIVE aquaculture



**nutrient recycling**



## FED aquaculture



**eutrophication**



Global Conference  
on  
Aquaculture 2010

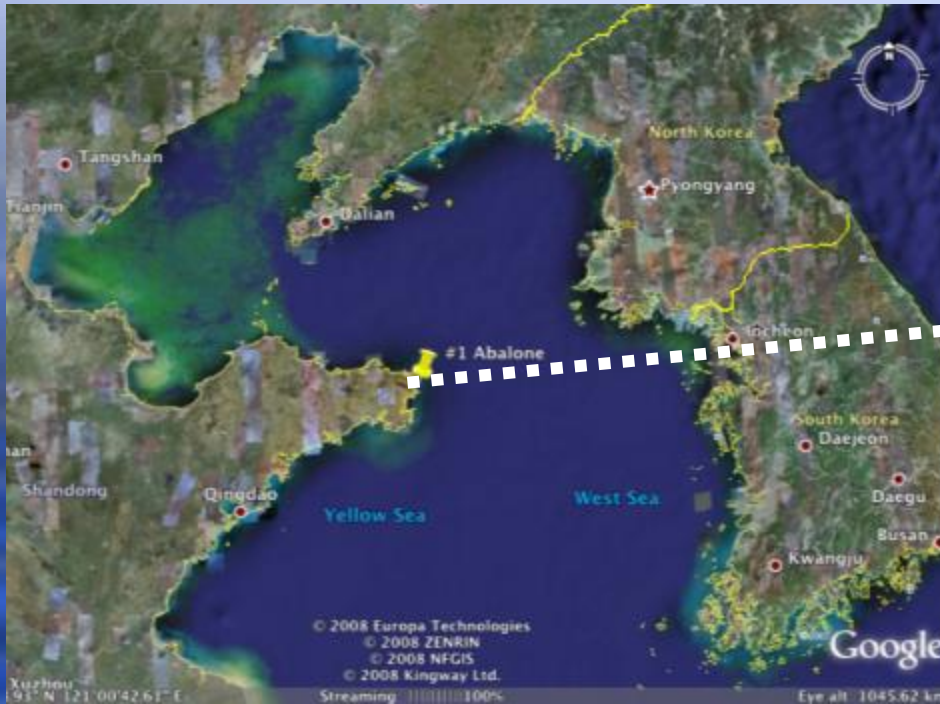


**Table 5.** Distribution of the total world aquaculture and mariculture production between extractive and fed organisms, in 2018.

	Total world aquaculture production, including seaweed production	
	Inland aquaculture	Marine and coastal aquaculture
<b>Extractive aquaculture</b>		
Seaweeds + aquatic plants	—	32,386.2
Molluscs	207	17,304
Non-fed finfish	8,000	—
<b>Total extractive aquaculture</b>		<b>57,897.2 (50.6)</b>
<b>Fed aquaculture</b>		
Fed finfish	38,951	7,328
Crustaceans	3,653	5,734
Other aquatic animals	528	390
<b>Total fed aquaculture</b>		<b>56,584 (49.4)</b>
<b>Total aquaculture</b>		<b>114,481.2 (100)</b>

Numbers are in thousand tonnes live weight (FAO 2020a); numbers in brackets are percentages.

# IMTA has been well developed in Sungo Bay



Location: East end of Shandong peninsula, **Yellow Sea, Northern China**  
Total Area: 13000 ha

## **Annual production:**

Kelp: 80,000 tonnes (**DW**)

Fishes: 100 tonnes

Sea cucumber: 100 tonnes (FW)

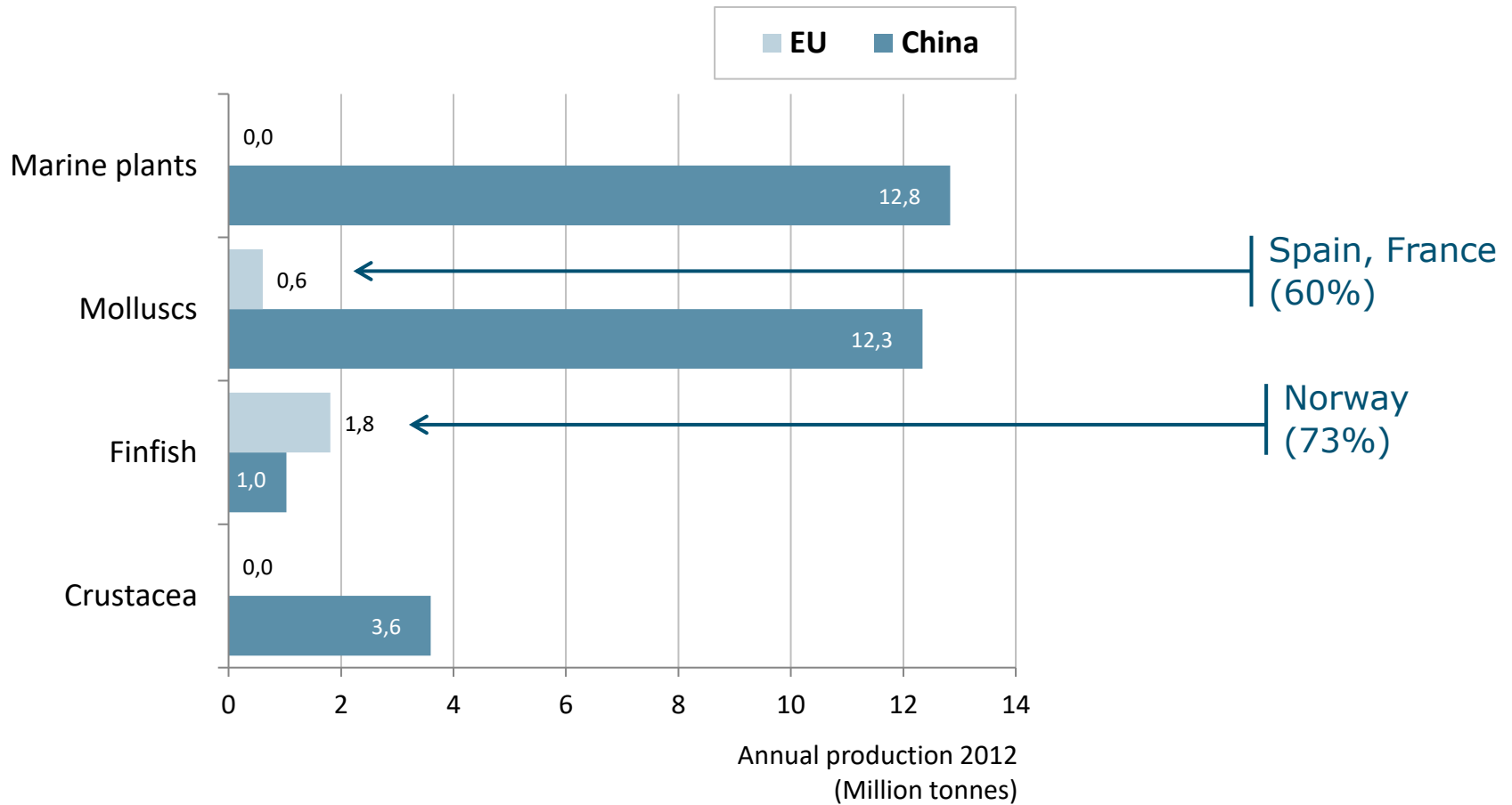
Abalone: 2,000 tonnes (FW with shell)

Oyster: 120,000 tonnes (FW with shell)

Scallop: 10,000 tonnes (FW with shell)



# Mariculture in Europe & China



from Henrice Jansen, Wageningen University



**thank you**