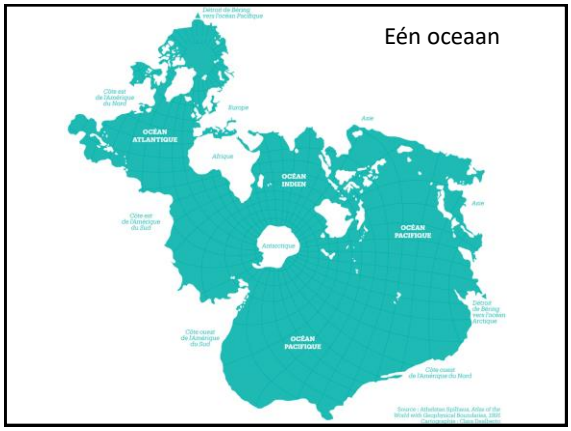
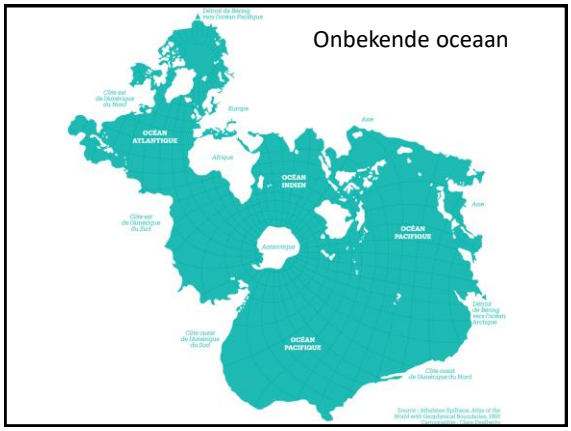
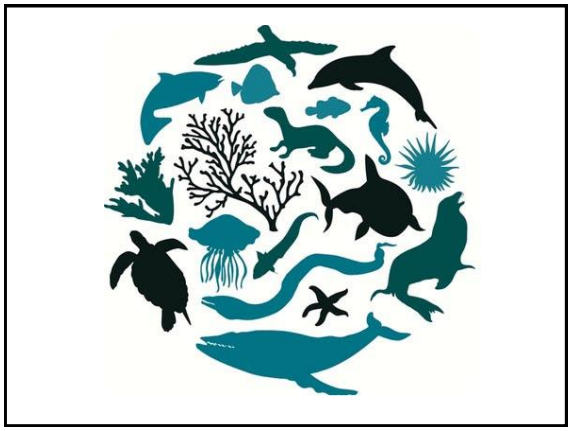
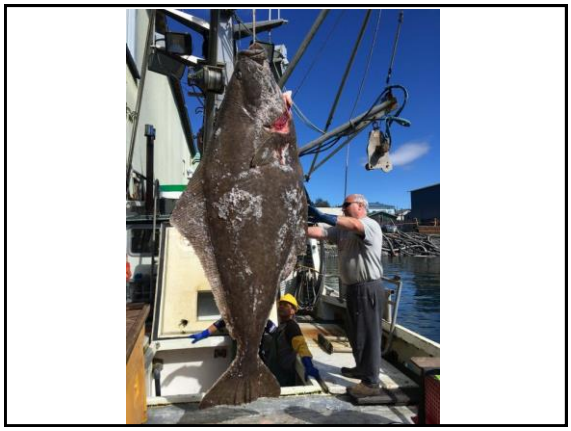
How inappropriate to call this planet Earth
when it is quite clearly
planet Ocean.
Arthur C. Clarke
OCÉAN ATLANTIQUE
OCÉAN INDIEN
OCÉAN PACIFIQUE
OCÉAN PACIFIQUE
Spilhaus-projection, 1942


Eén oceaan
OCÉAN ATLANTIQUE
OCÉAN INDIEN
OCÉAN PACIFIQUE
OCÉAN PACIFIQUE

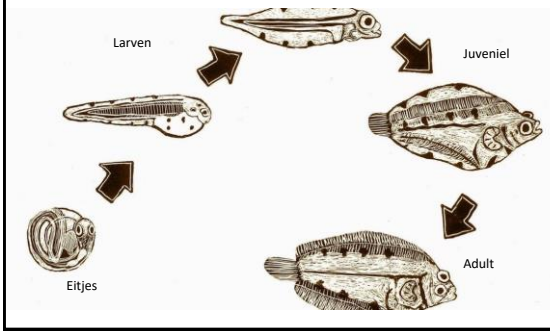

Onbekende oceaan
OCÉAN ATLANTIQUE
OCÉAN INDIEN
OCÉAN PACIFIQUE
OCÉAN PACIFIQUE



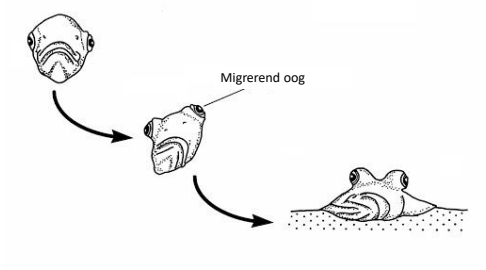
Platvissen
Orde Pleuronectiformes



Levenscyclus

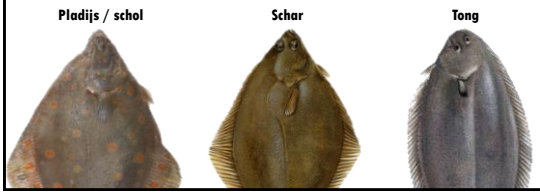


Metamorfose



https://www.youtube.com/watch?v=qePwW44HhNg

Wie zwemt er in ons Belgisch deel van de Noordzee?

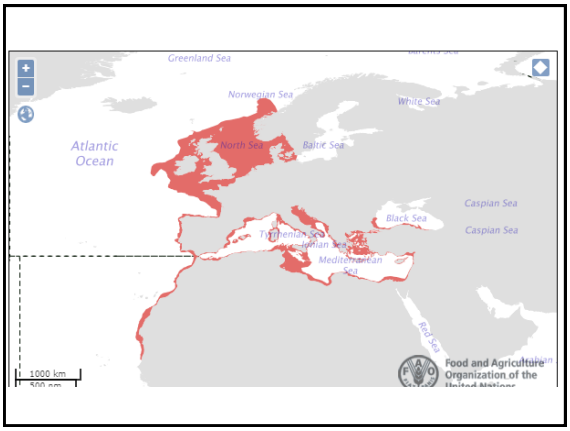


Tong (*Solea solea*)

32057 ton in 2016, 12.22€ per kilo

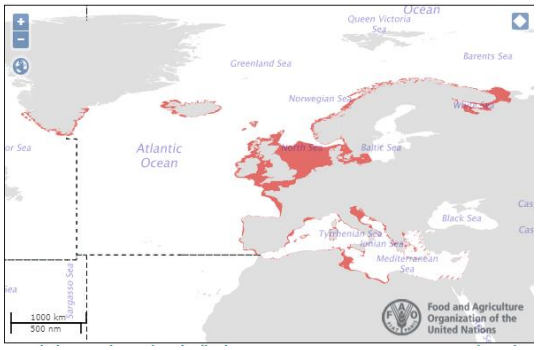
Modderige en zanderige bodems

Voeding: wormen, bivalven, kleine vissen en garnalen



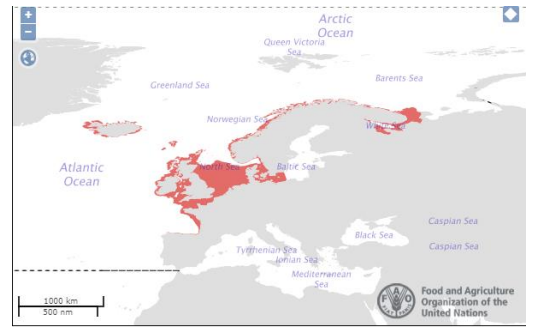
Pladijs of schol (*Pleuronectes platessa*)

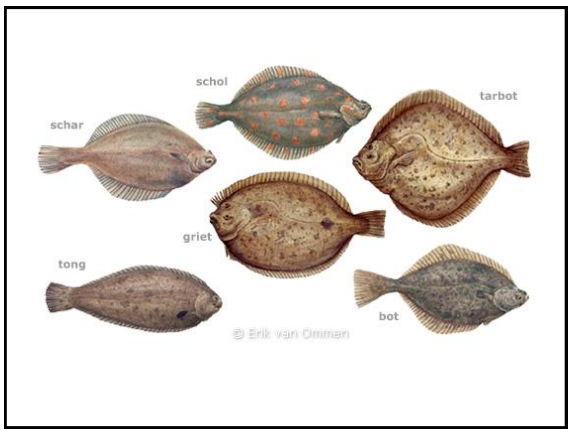
116699 ton in 2016; 2.22 € per kilo
Variabele bodem
Voeding: bivalven en wormen
Maximaal 1 m meestal 35-50cm

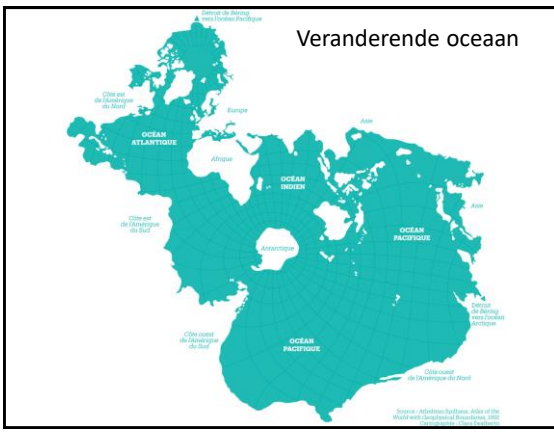


Schar (*Limanda limanda*)

< 30 cm
Voeding: garnalen, bivalven, wormen en kleinere vissen
Zanderige bodems
8001 ton in 2016
Bijvangst soort



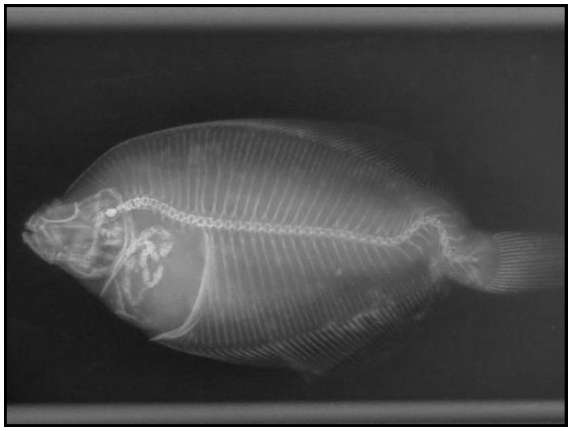


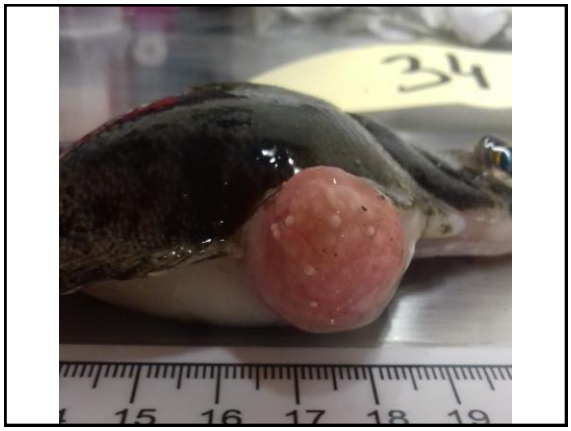


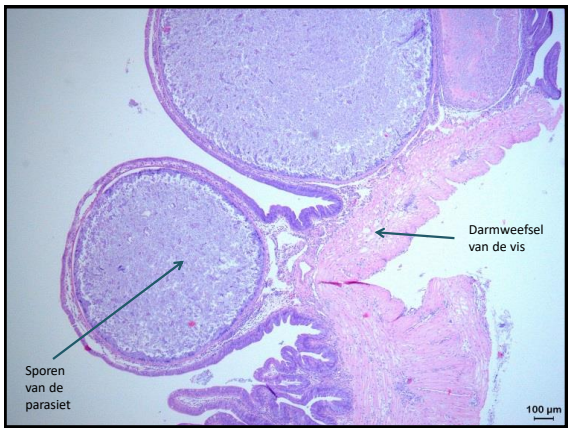
Veranderingen in het ecosysteem

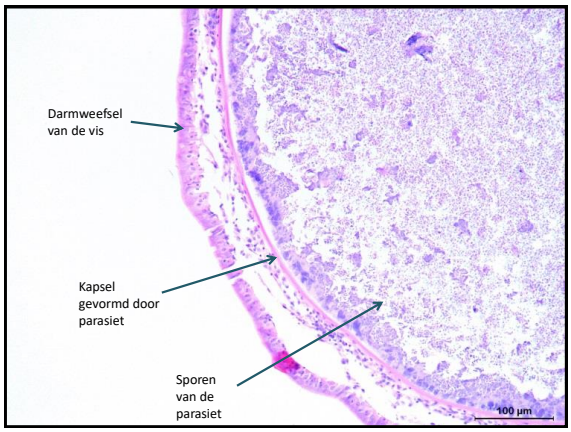
↓

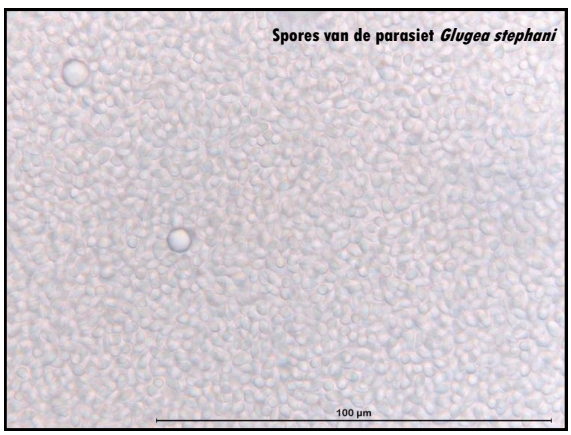
Biologisch effect

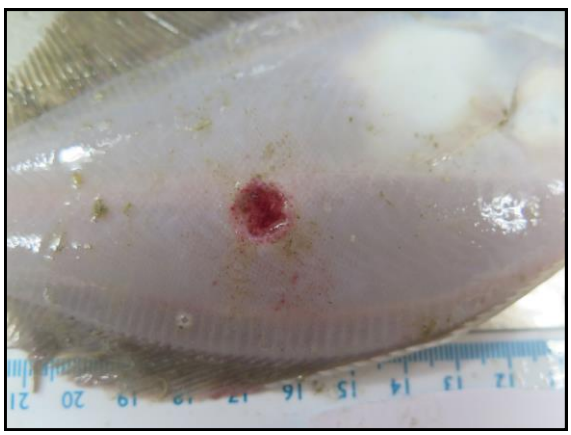


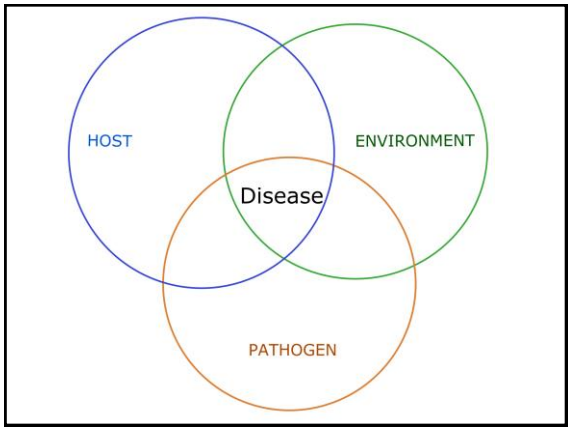


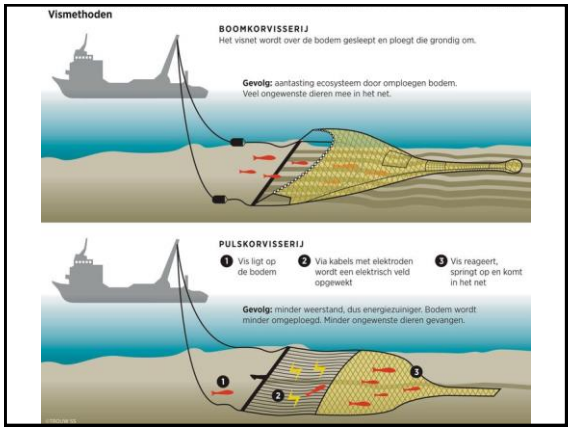

Darmweefsel
van de vis
Sporen
van de
parasiet
100 µm

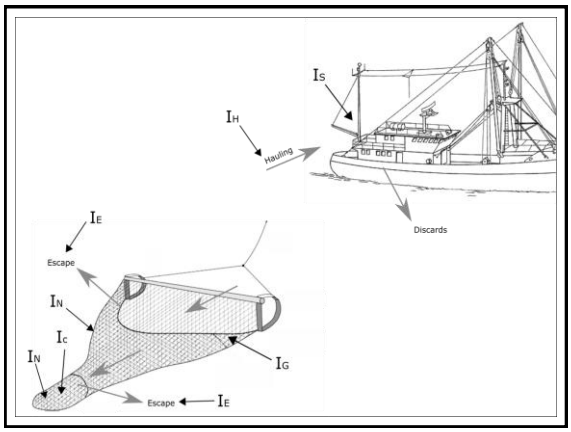

Darmweefsel
van de vis
Kapsel
gevormd door
parasiet
Sporen
van de
parasiet
100 µm


Spores van de parasiet *Glugea stephani*
100 µm

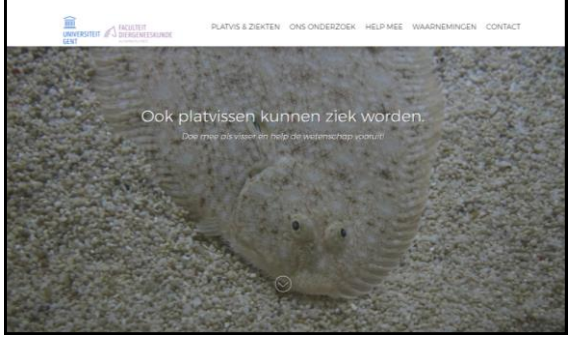


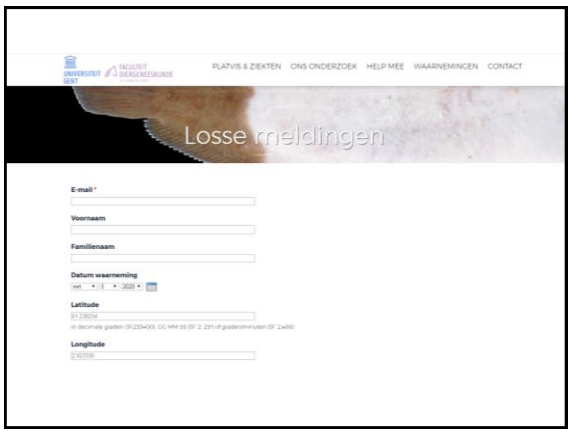






www.platvisziekten.be



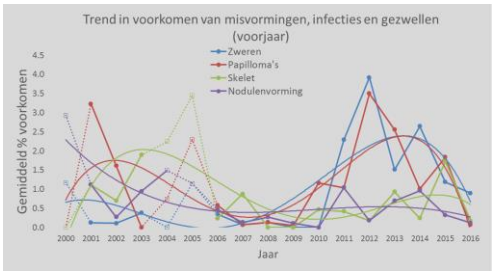


Onderzoek naar deze afwijkingen d.m.v. monitoring op zee

Monitoring =Verzameling van informatie op zee.

De UGent trekt er elke twee maand op uit, het ILVO doet een halfjaarlijkse monitoring.

Hierbij proberen we meer te weten te komen over hoeveel vissen met ziekten voorkomen in verschillende gebieden en wat mogelijkse risicofactoren zijn voor deze ziekten.


Trend in voorkomen van misvormingen, infecties en gezwellen (voorjaar)
Zweren
Papilloma's
Skelet
Nodulenvorming
Gemiddeld % voorkomen
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
Jaar