Dutch demersal fisheries

2nd of July 2015, Mike Turenhout (LEI)

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Introduction

Composition Dutch Fishing Sector:

- Pelagic fisheries
- Cutter fleet
- Other small scale fisheries
- Mussel culture
- Oyster fisheries

Pelagic fisheries

- Number of vessels: 11 (2013)
- Value of landings: 99 MEur
- Fishermen: 475
- Target species: Mackerel, Horse mackerel and Sardine

Cutter fleet

- Number of vessels: 275 (2013)
- Value of landings: 229 MEur
- Fishermen: 1038
- Most important gear: Beamtrawl/SumWing/Pulse
- Target species: Flatfish (Sole and Plaice) and shrimp

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Other small scale fisheries

- Number of vessels: 251 (2013)
- Value of landings: 10 MEur
- Fishermen: 389
- Most important gear: diverse, static gears
- Target species: diverse

Mussel culture

- Number of vessels: 61 (2013)
- Value of landings: 53 MEur
- Fishermen: 170
- Target species: Mussels

Oyster fisheries

- Number of vessels: 23 (2013)
- Value of landings: 7 MEur
- Fishermen: 53
- Target species: Oysters

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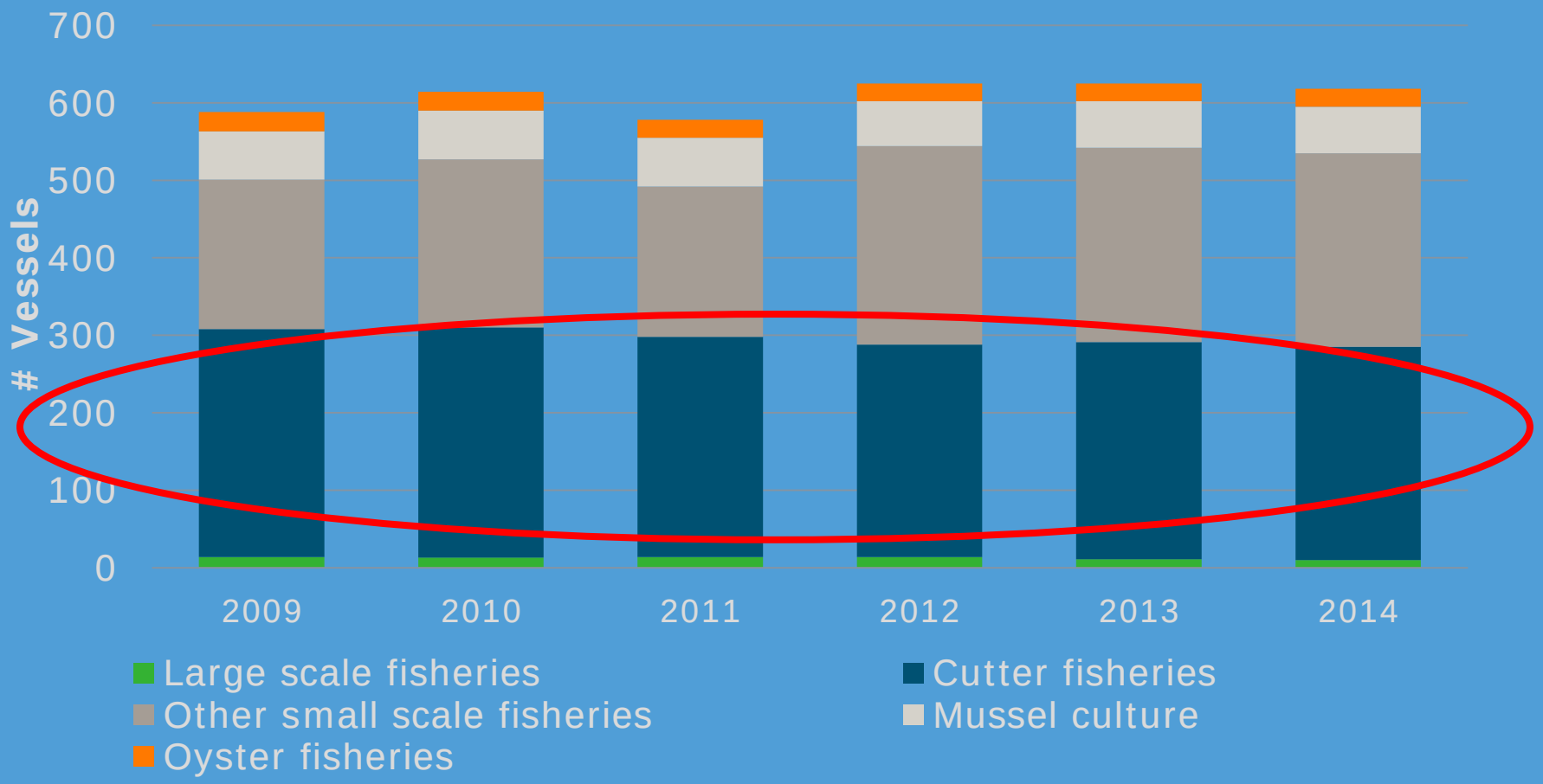
Structure



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Dutch demersal cutter fleet

	2008	2009	2010	2011	2012	2013*	2014**
# Vessels	294	297	284	274	280	275	274
Revenues (mln €)	250	212	218	204	233	229	240
Costs (mln €)	251	207	211	208	219	215	220
Net profit (mln €)	-1	5	7	-5	14	14	20
Effort (x100,000)	440	413	399	374	378	367	360

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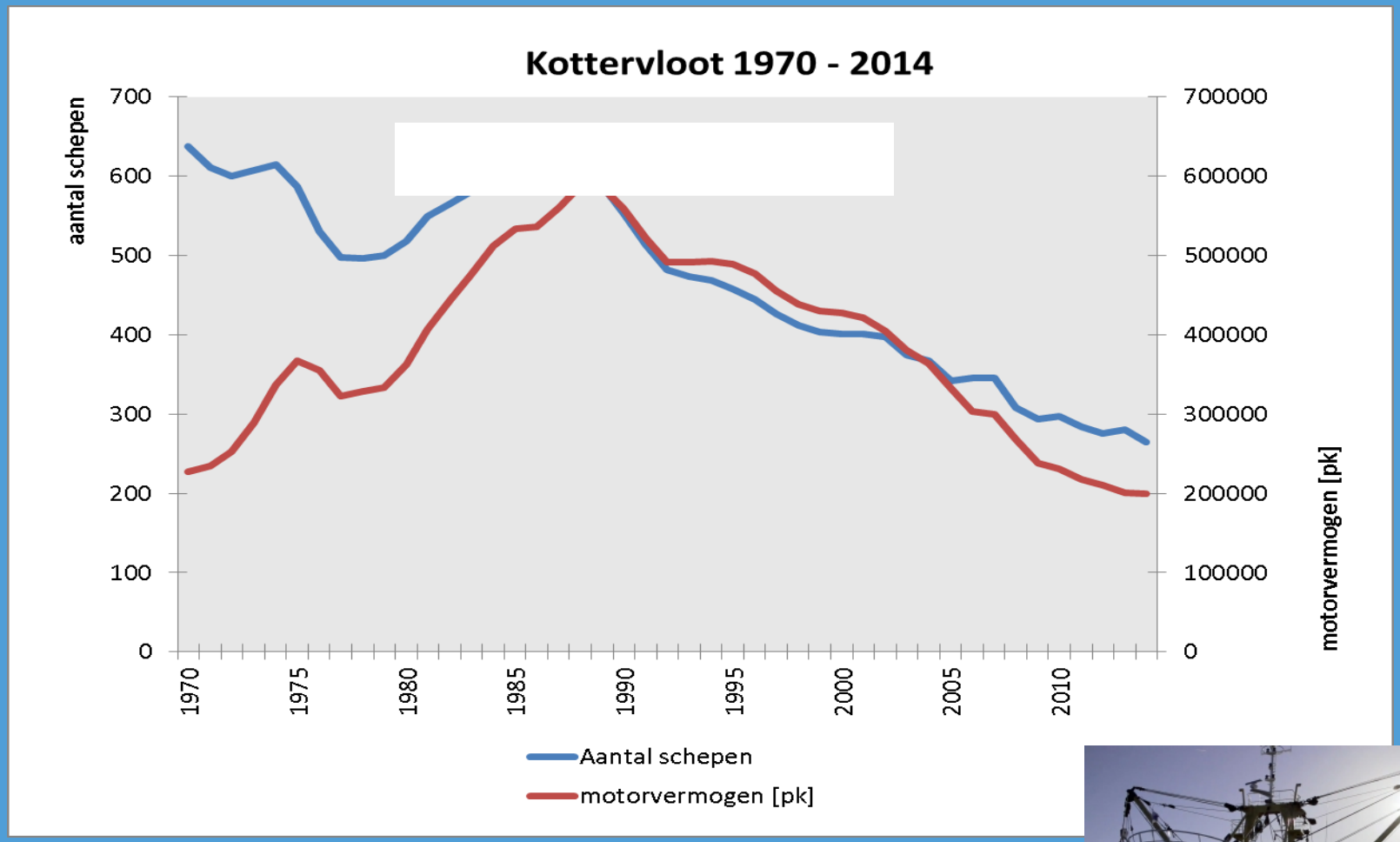
Dutch demersal cutter fleet



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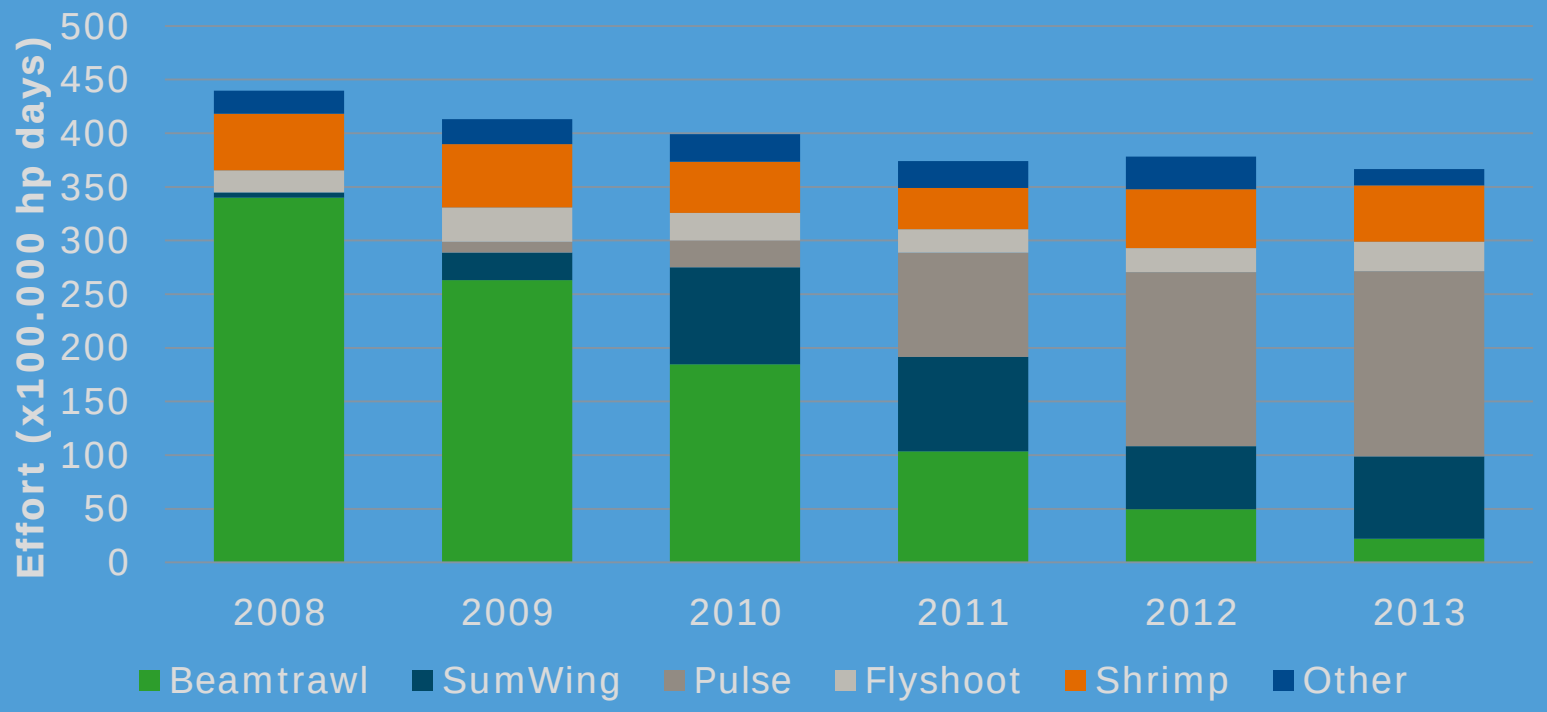
Effort

Effort main fisheries based on hp-days

(= hp x (hours at sea/24))



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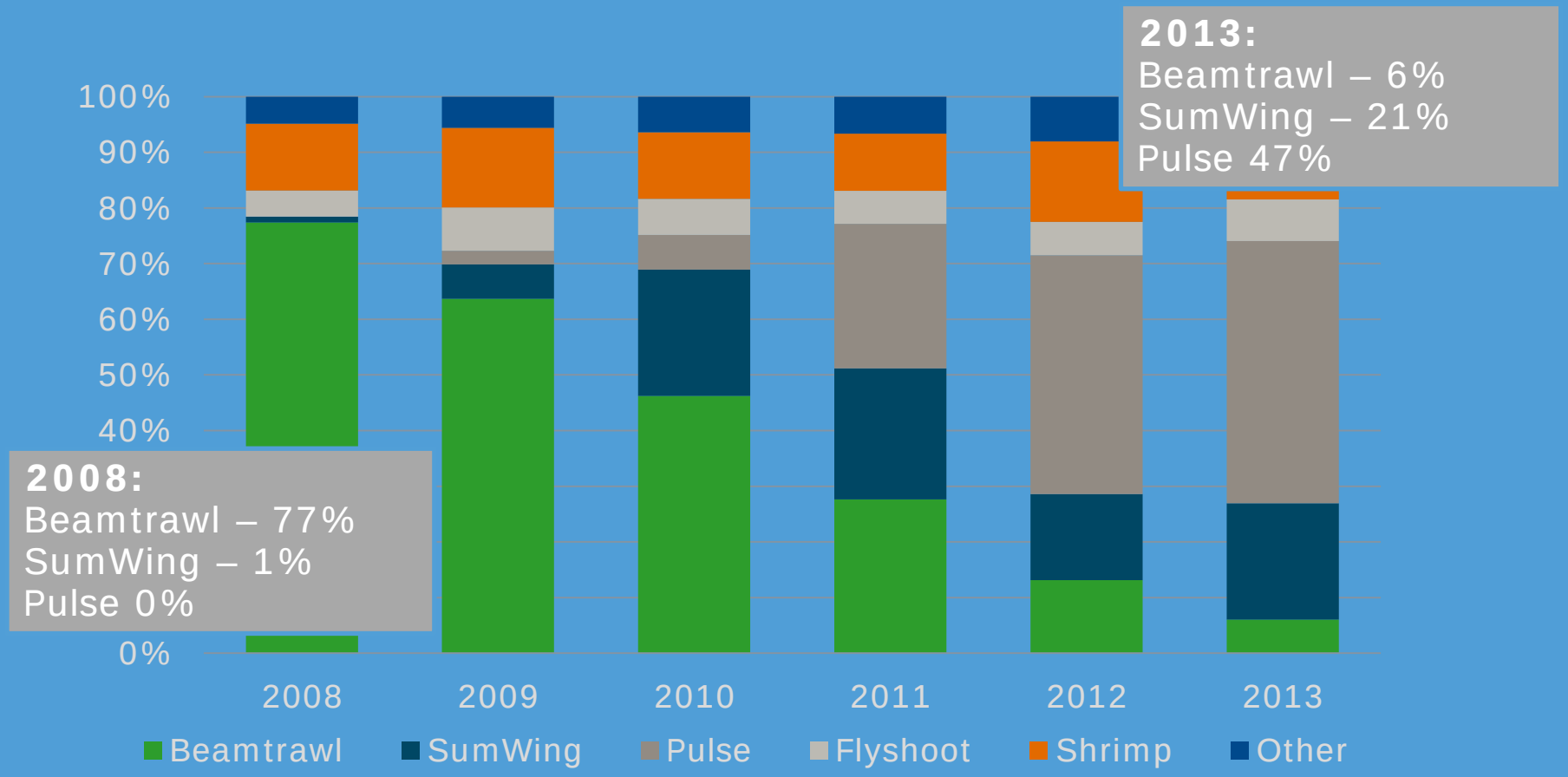
Effort

Flatfish: Transition Conventional beamtrawl to Pulse



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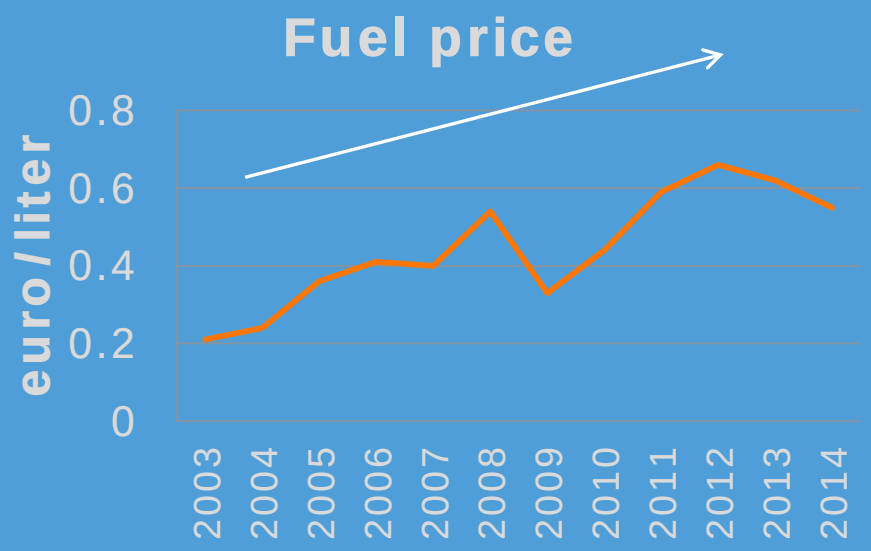
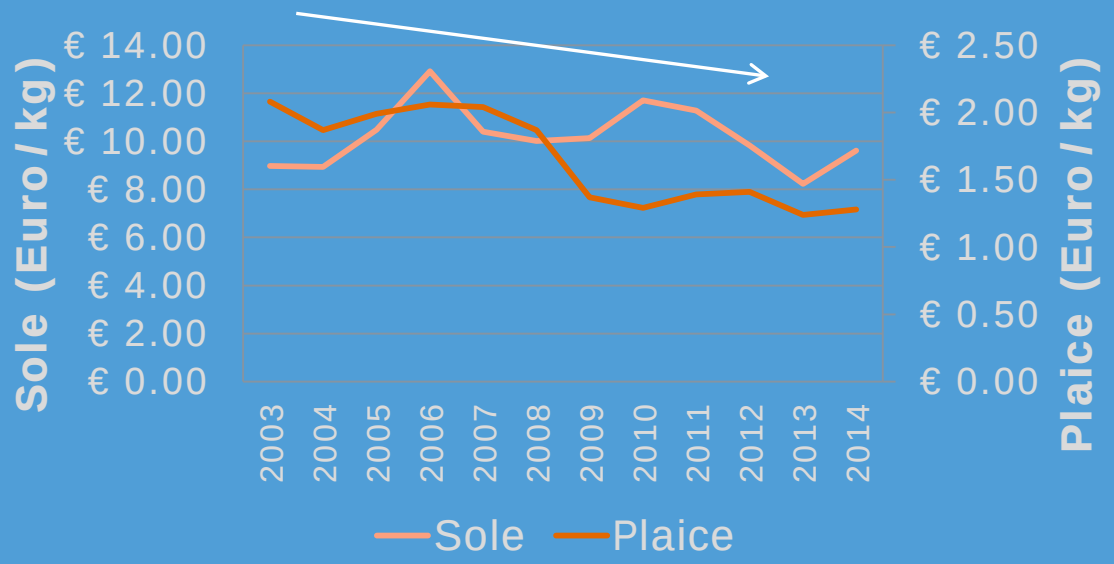
Fuel and flatfish





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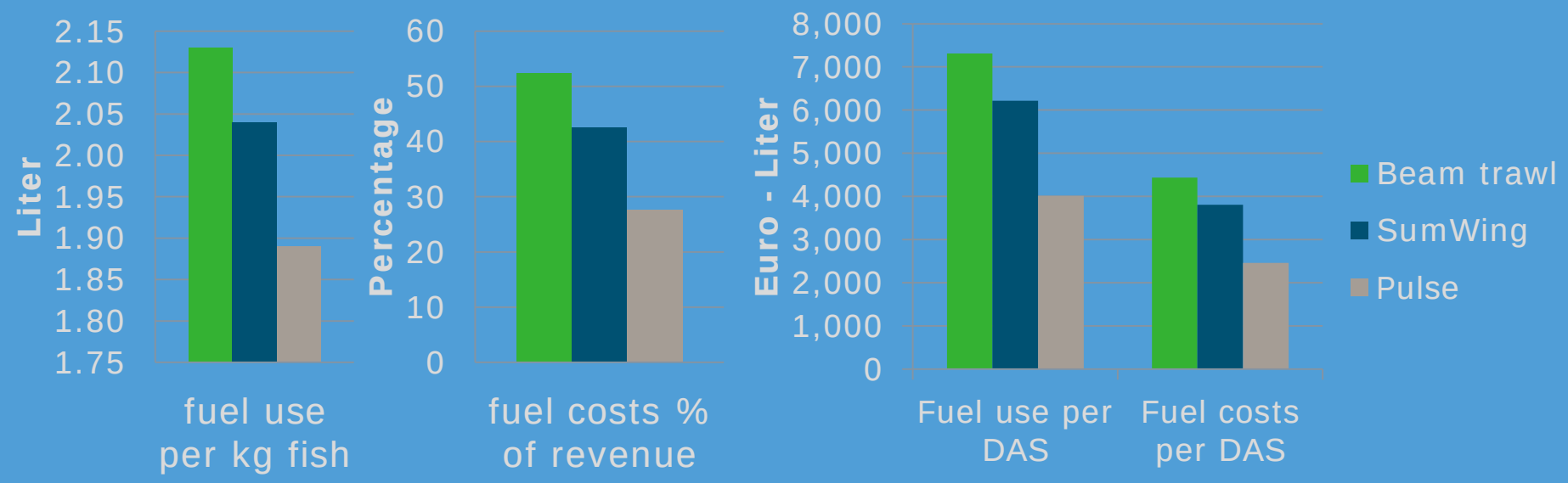
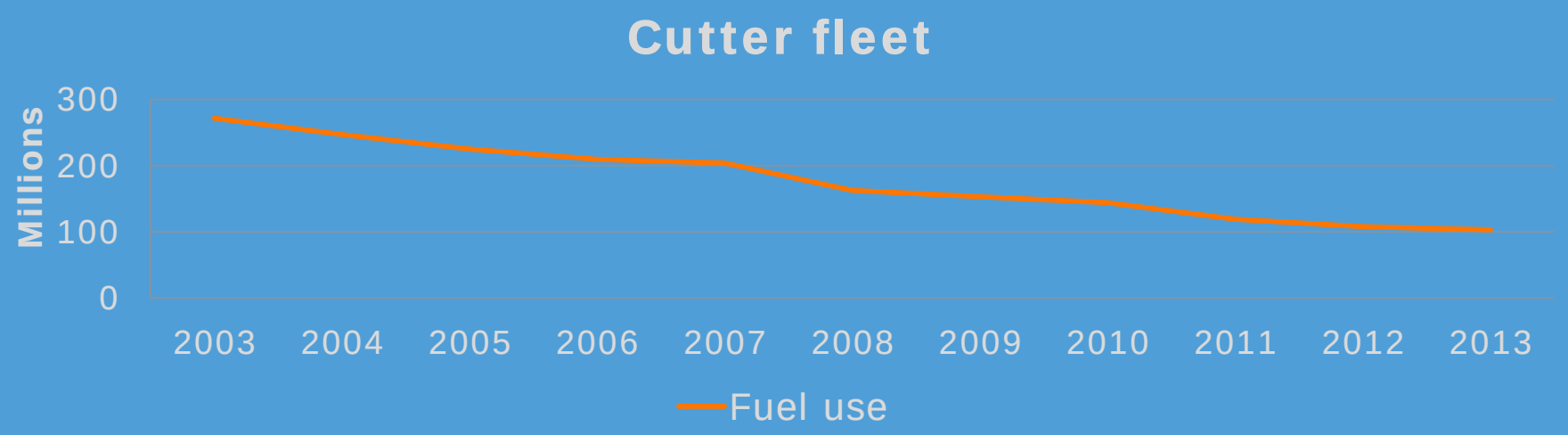
Fuel and flatfish





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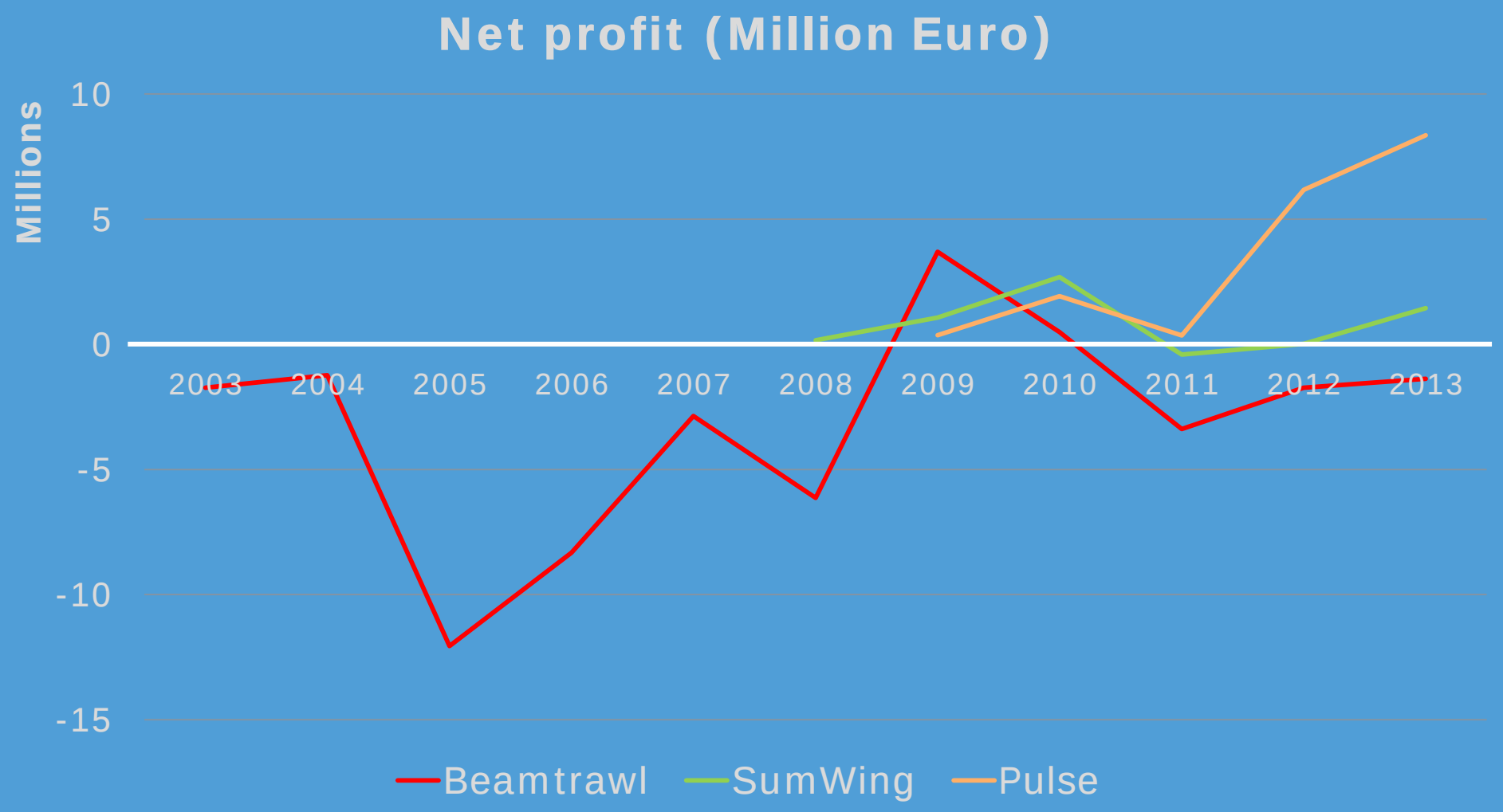
Economic performance (Flatfish)



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Conclusions

- Around 275 active vessels in Cutter fleet
- 2014:
  - Total Revenues → 240 mln. Euro
  - Total Costs → 220 mln. Euro
  - Net Profit → 20 mln. Euro
- Transition Beamtrawl to Pulse fisheries
  - Reason: increasing fuel prices and decreasing flatfish prices
  - Side effects on discards, and ecological footprint

Conclusions

- Fuel use per kg landed fish: 2.13 euro beamtrawl, 2.04 euro SumWing and 1.89 euro pulse
- Fuelcost as percentage of revenues: 52% beamtrawl, 43% SumWing and 28% pulse
- Fuel use per day at sea: 7,311 L beamtrawl, 6.217 L SumWing and 4.017 L pulse
- Fuel use cutter fleet from 272 mln. L in 2003 to 103 mln. L in 2013
- Net Profit 2013: beamtrawl -1.4 mln. euro, SumWing +1.4 mln. euro, pulse +8.4 mln. euro

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Thank you for your attention.

Questions?

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