

Evaluatie van een seizoen pulsvisserij op garnaal met HA 31

Congres verduurzaming van de garnalenvisserij

Bart Verschueren

Institute for Agricultural and Fisheries Research

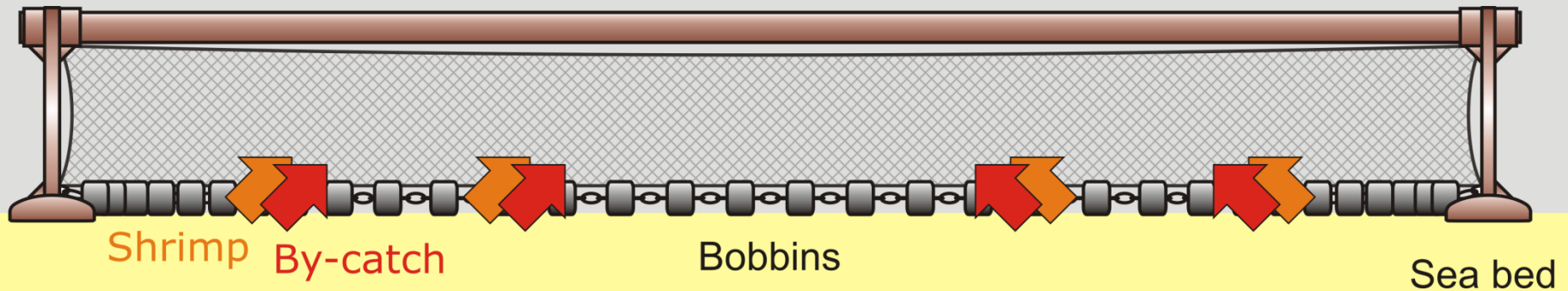
Animal Sciences Unit

www.ilvo.vlaanderen.be

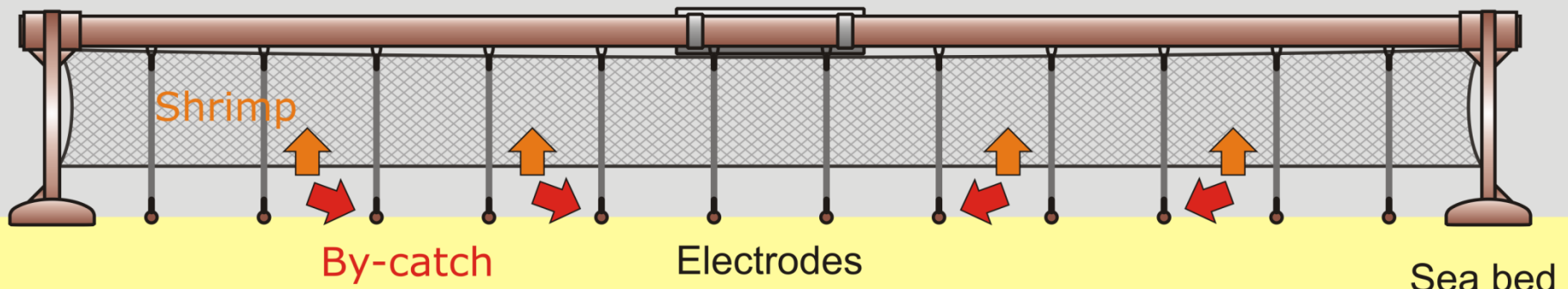
Agriculture and Fisheries Policy Area

Basisidee: ILVO/Marelec

Traditional shrimp beam trawl



HOVERCRAN



Basisidee: O 191 (2008 - 2010)

Geen Klossen!

**HOVERCRAN: “HOVERing
pulse trawl for a selective
CRANgon fishery”**

Noordzee

Terschelling

Vlieland

Richel

Waddenzee

Griend

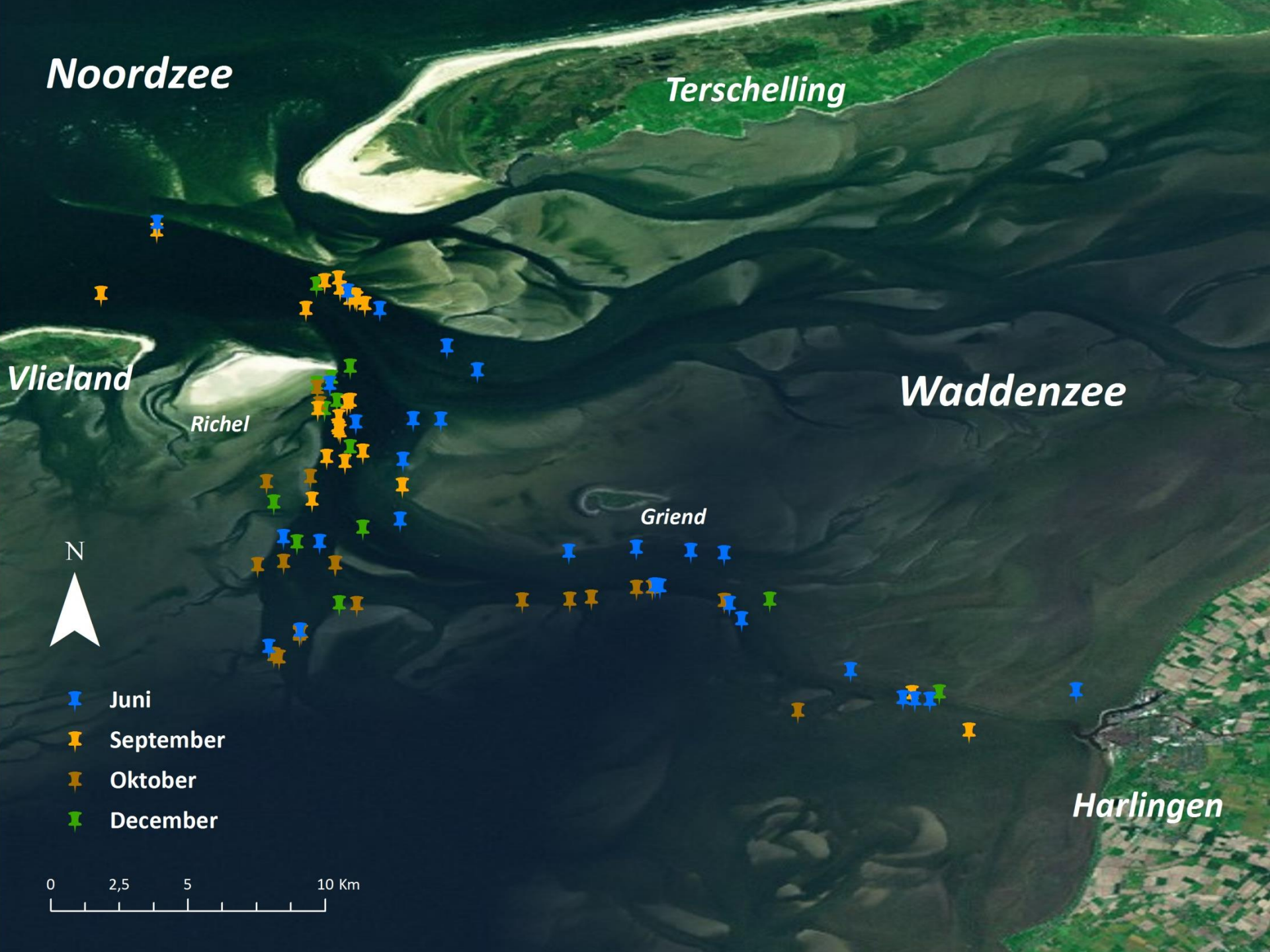

Harlingen

N



-  Juni
-  September
-  Oktober
-  December

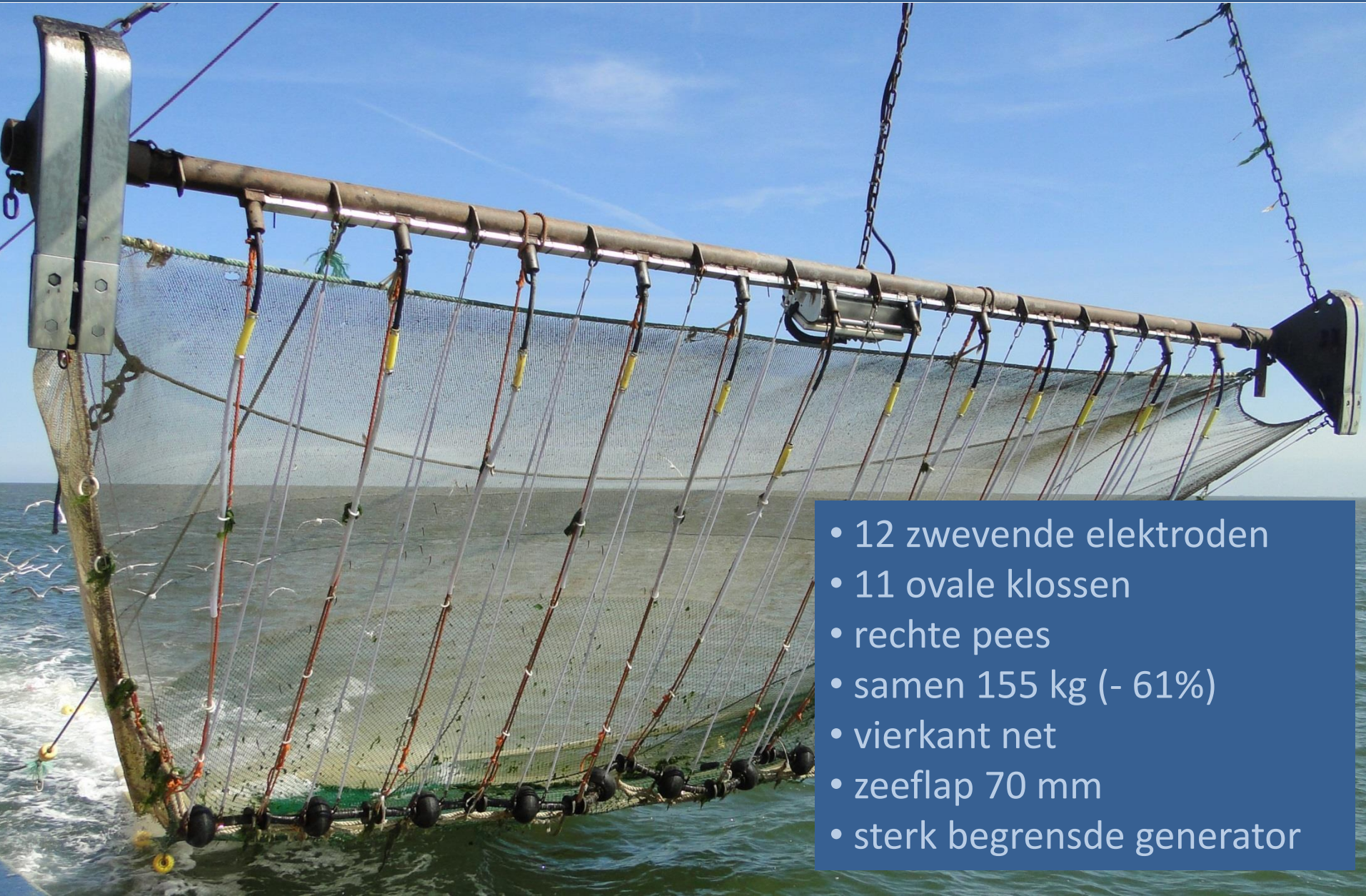
0 2,5 5 10 Km



SB: Traditioneel vistuig HA 31

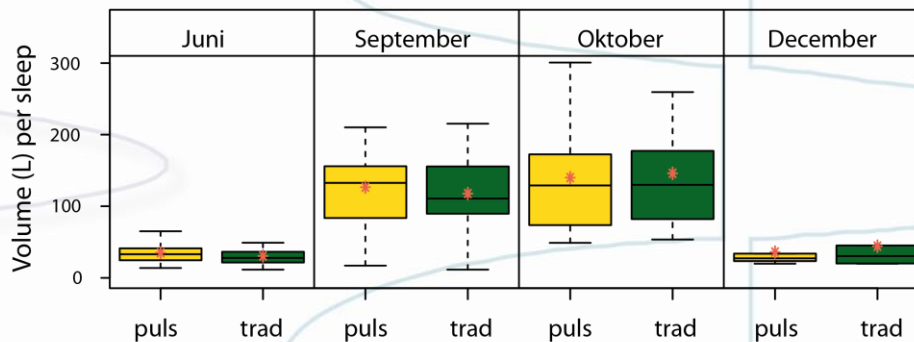
- 36 ovale klossen
- U-vormige klossen- en onderpees
- samen 400 kg
- standaard net
- zeeflap 70 mm

BB: Pulsvistuig HA 31

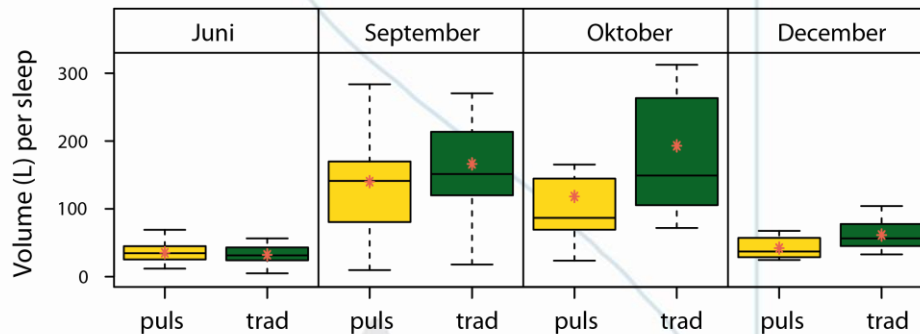


- 12 zwevende elektroden
- 11 ovale klossen
- rechte pees
- samen 155 kg (- 61%)
- vierkant net
- zeeflap 70 mm
- sterk begrensde generator

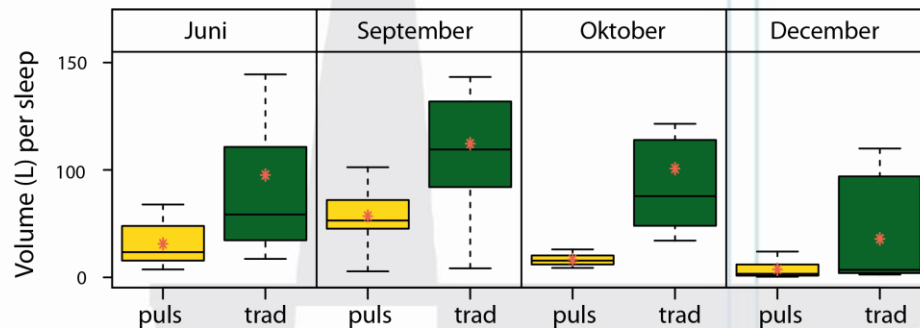
Vangst commerciële garnaal bij puls en traditioneel vistuig



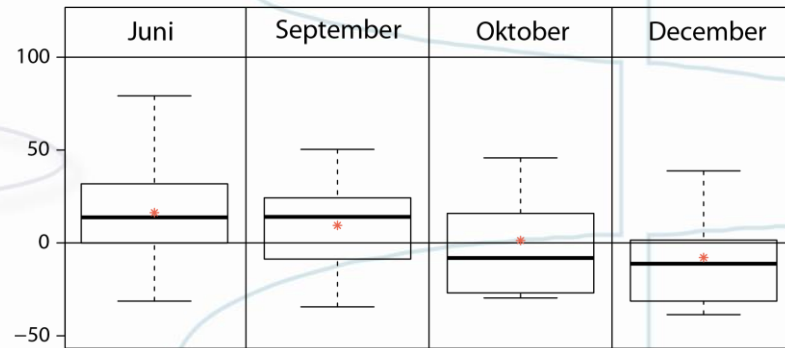
Vangst pufgarnaal bij puls en traditioneel vistuig



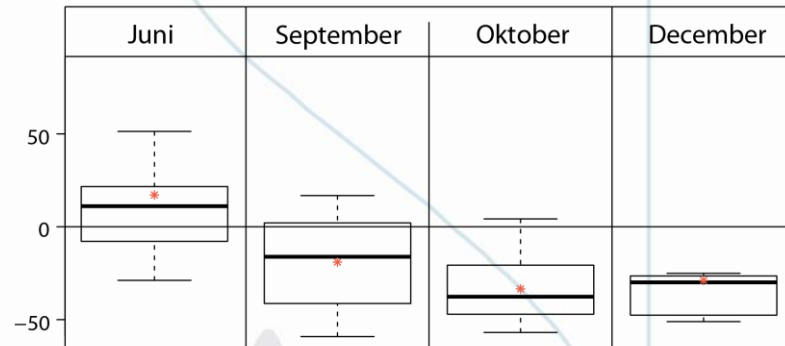
Vangst trash bij puls en traditioneel vistuig



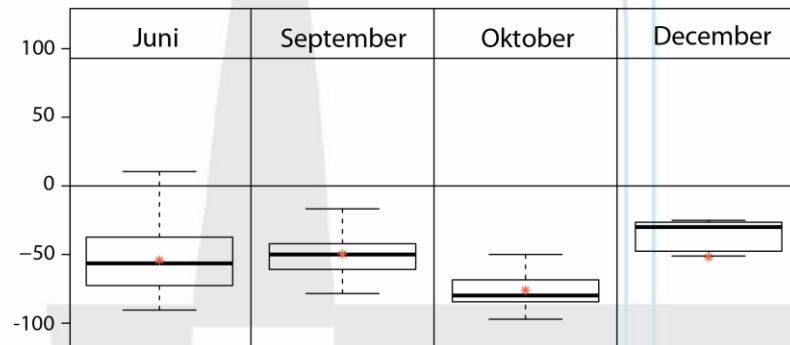
Commerciële garnaal



Pufgarnaal



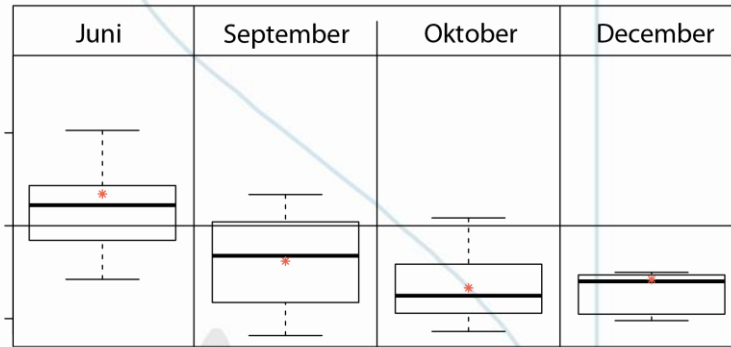
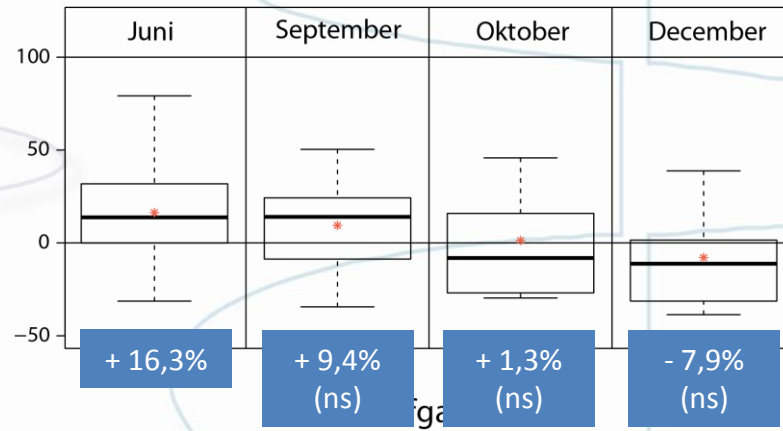
Trash



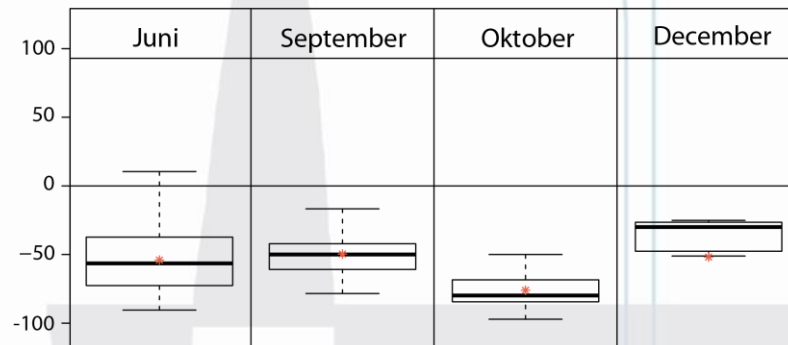
Vangstverschil puls vs traditioneel(%)

Commerciële garnaal

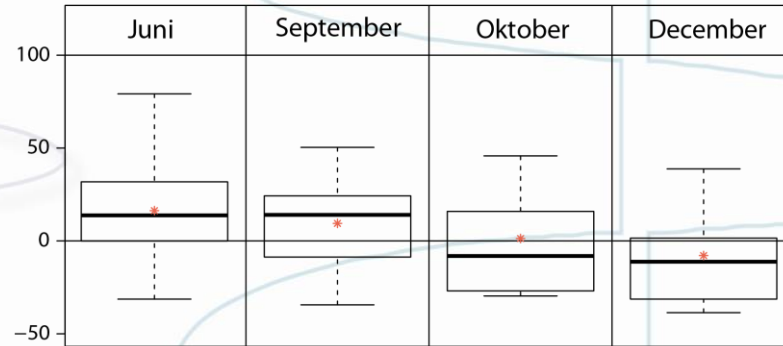
Vangstverschil puls vs traditioneel(%)



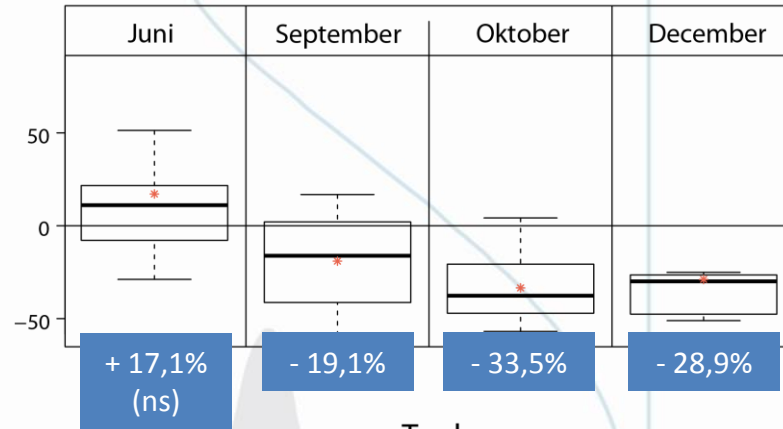
Trash



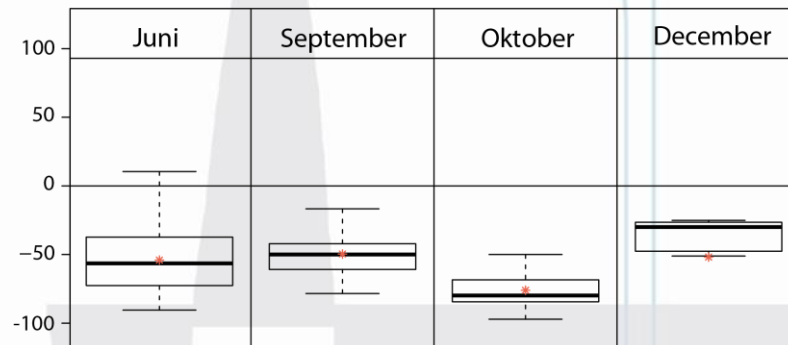
Commerciële garnaal



Pufgarnaal

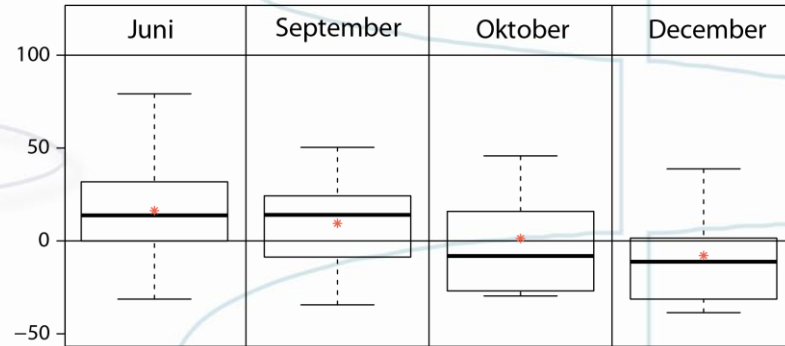


Trash

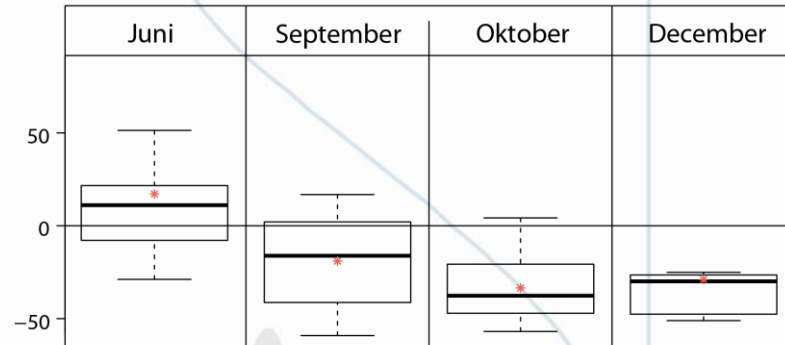


Vangstverschil puls vs traditioneel(%)

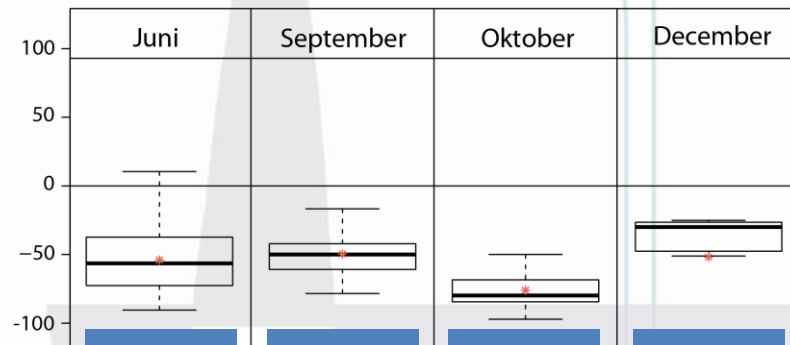
Commerciële garnaal



Pufgarnaal



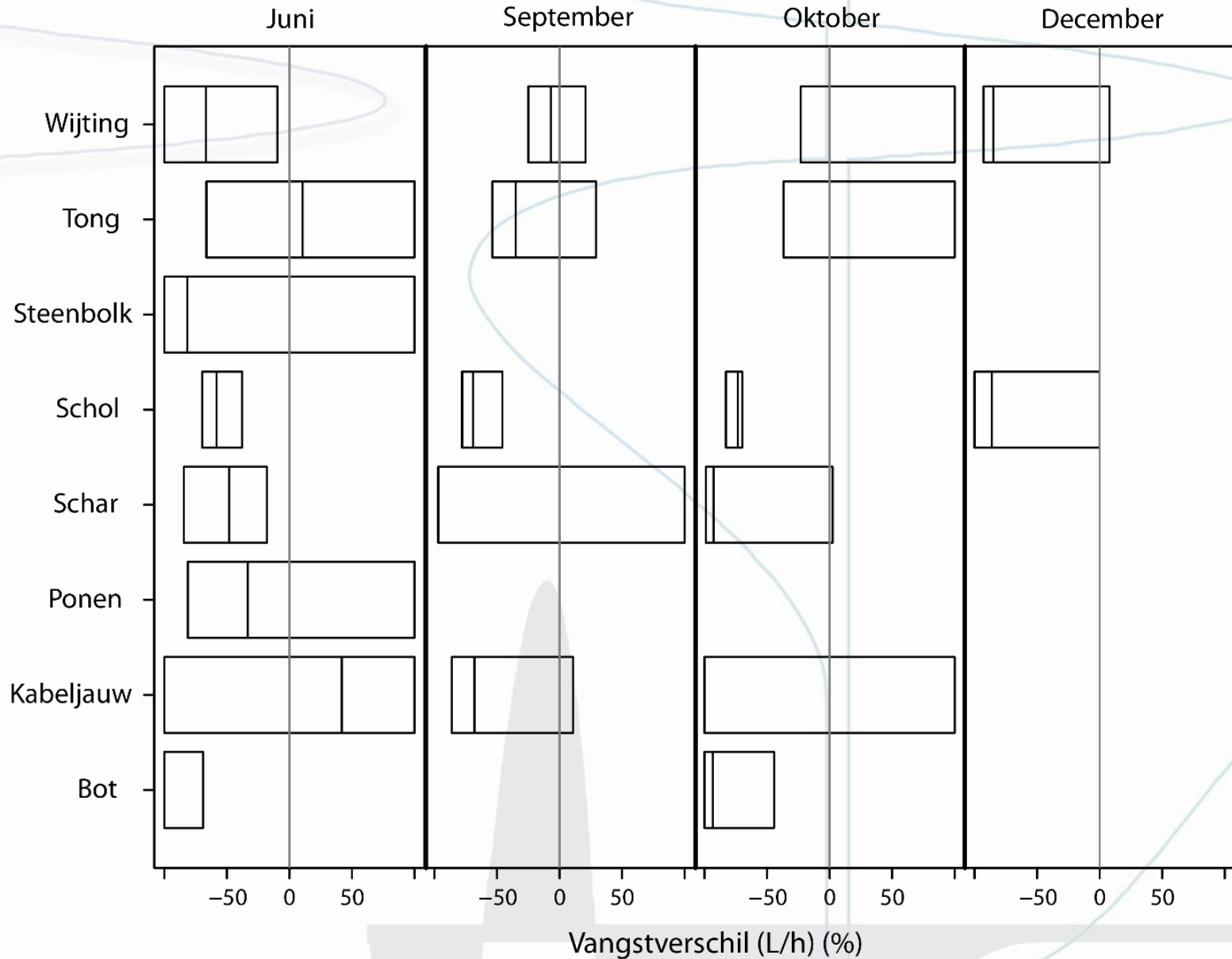
Trash

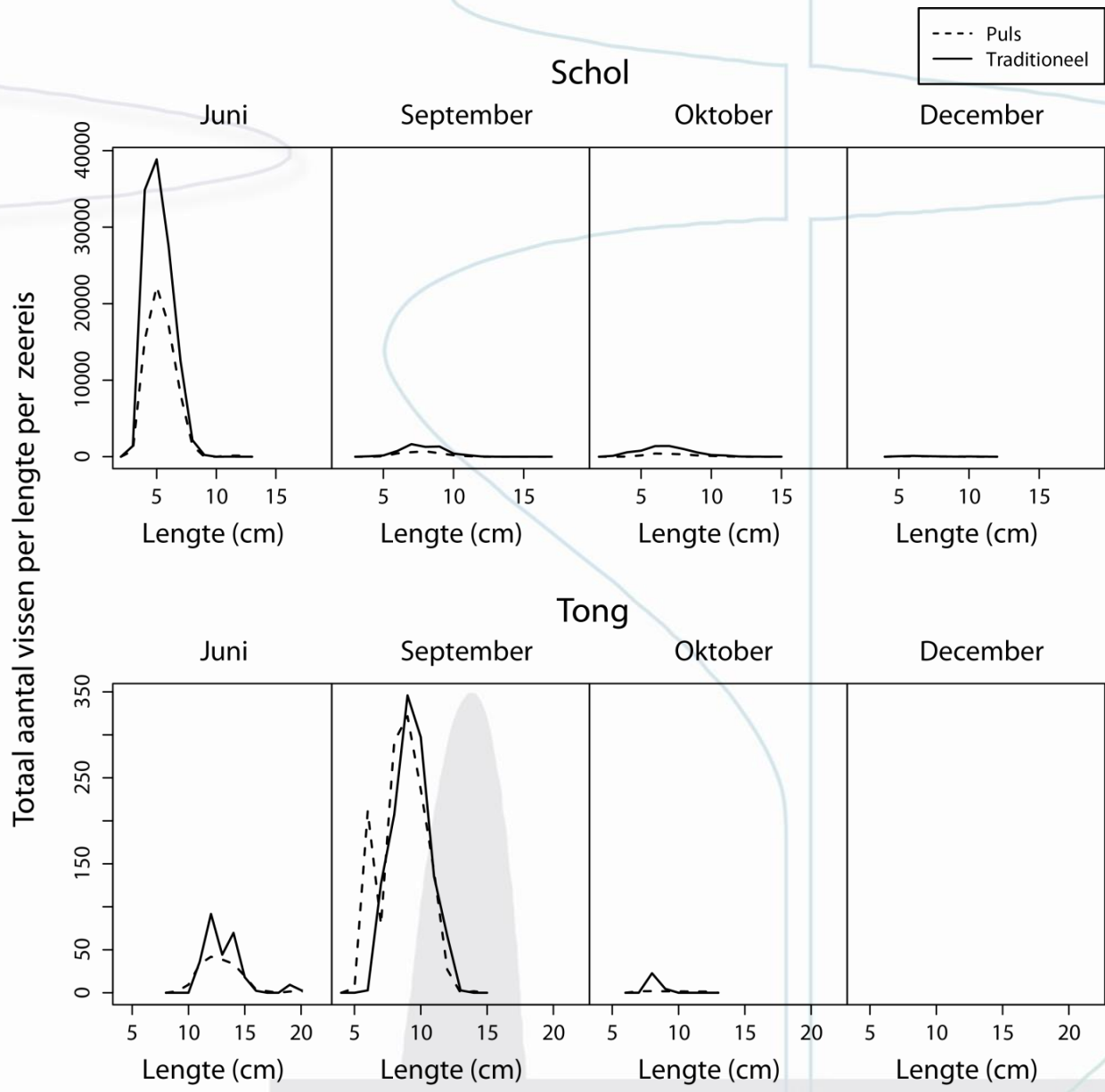


Vangstverschil puls vs traditioneel(%)

- 54,0% - 49,6% - 76,0% - 51,8%

Procentueel verschil vangst puls vs traditioneel vistuig





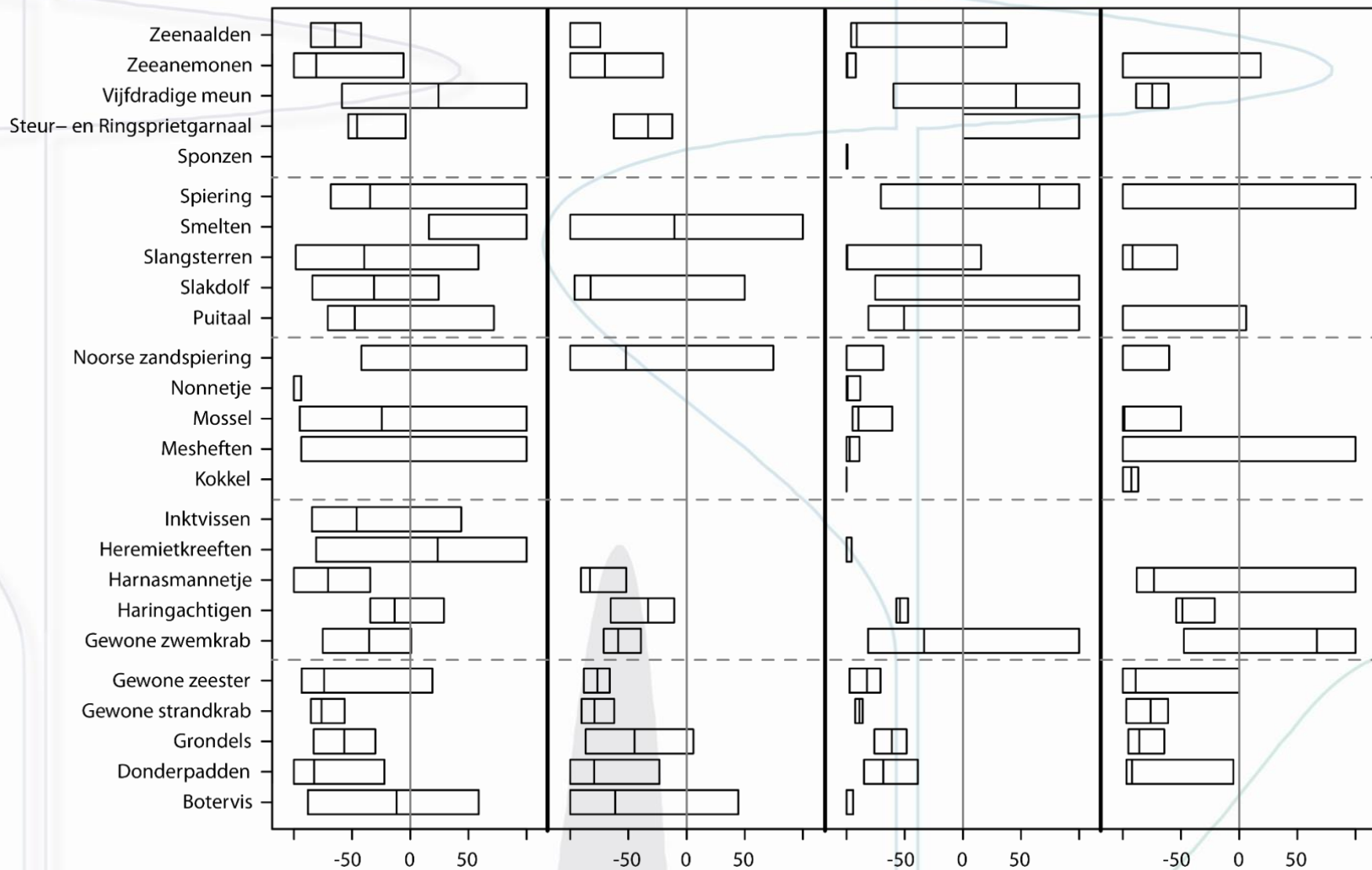
Procentueel vangstverschil van niet-commerciële vis en bodemdieren

Juni

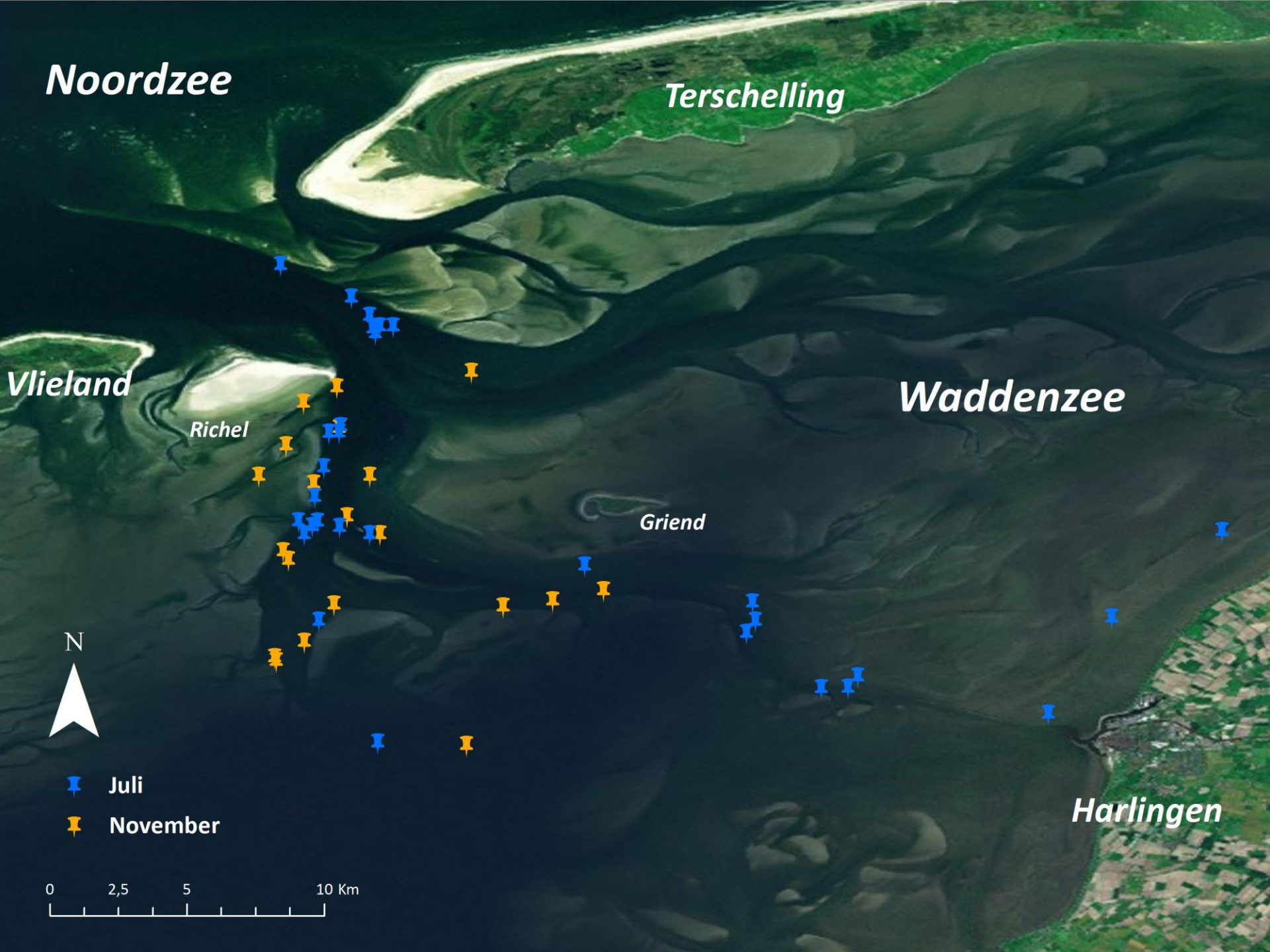
September

Oktober

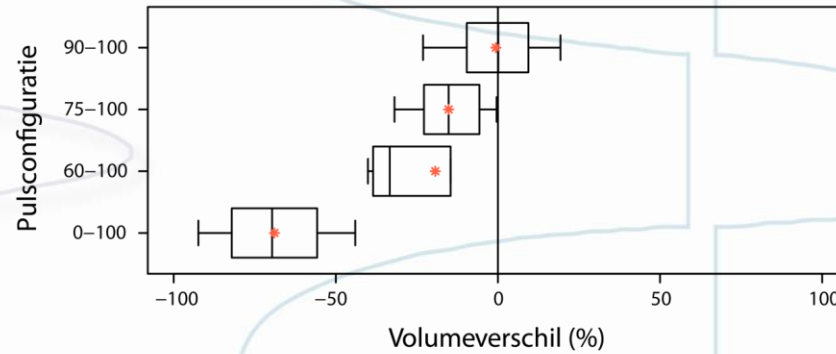
December



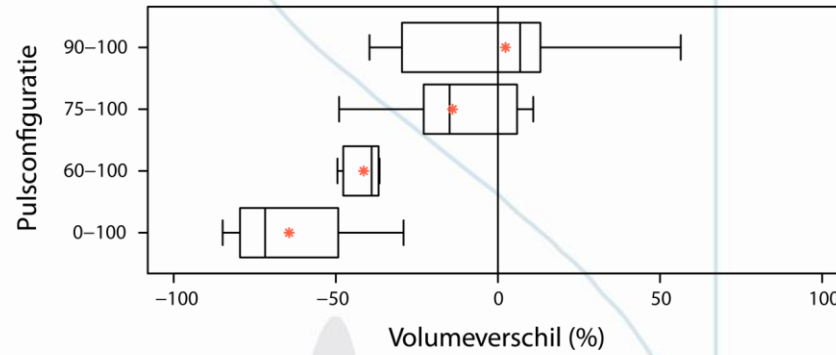
Vangstverschil tussen puls en traditioneel vistuig (%)



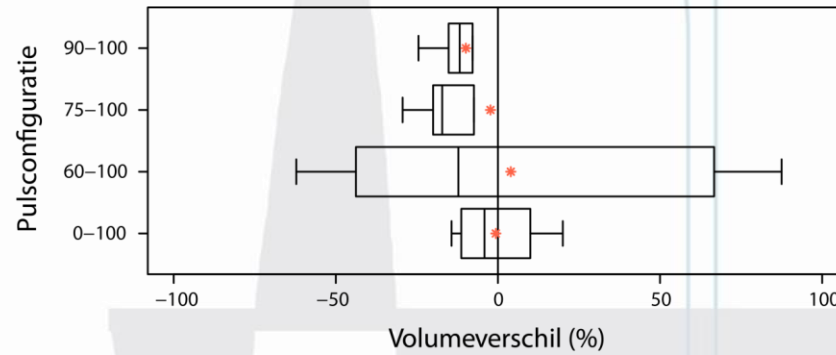
Vangstverschil commerciële garnaal puls vs puls 100%



Vangstverschil puf garnaal puls vs puls 100%



Vangstverschil trash puls vs puls 100%



Te effiçient?



Toepassing in de praktijk

- **Nederland & Duitsland:**
 - **Marelec:** TX 25, HA 31, WR 40, SD 33
 - **Delmeco:** TH 10 (Combisysteem)
- 5 vaartuigen: Allemaal hebben ze een eigen type klossenpees
- Verschillende resultaten
- **Nood aan visie en regelgeving**

