

# VOEDINGSGEDRAG VAN GLASAAL

## IN EEN ANTROPOGEEN GEREGULEERD SYSTEEM

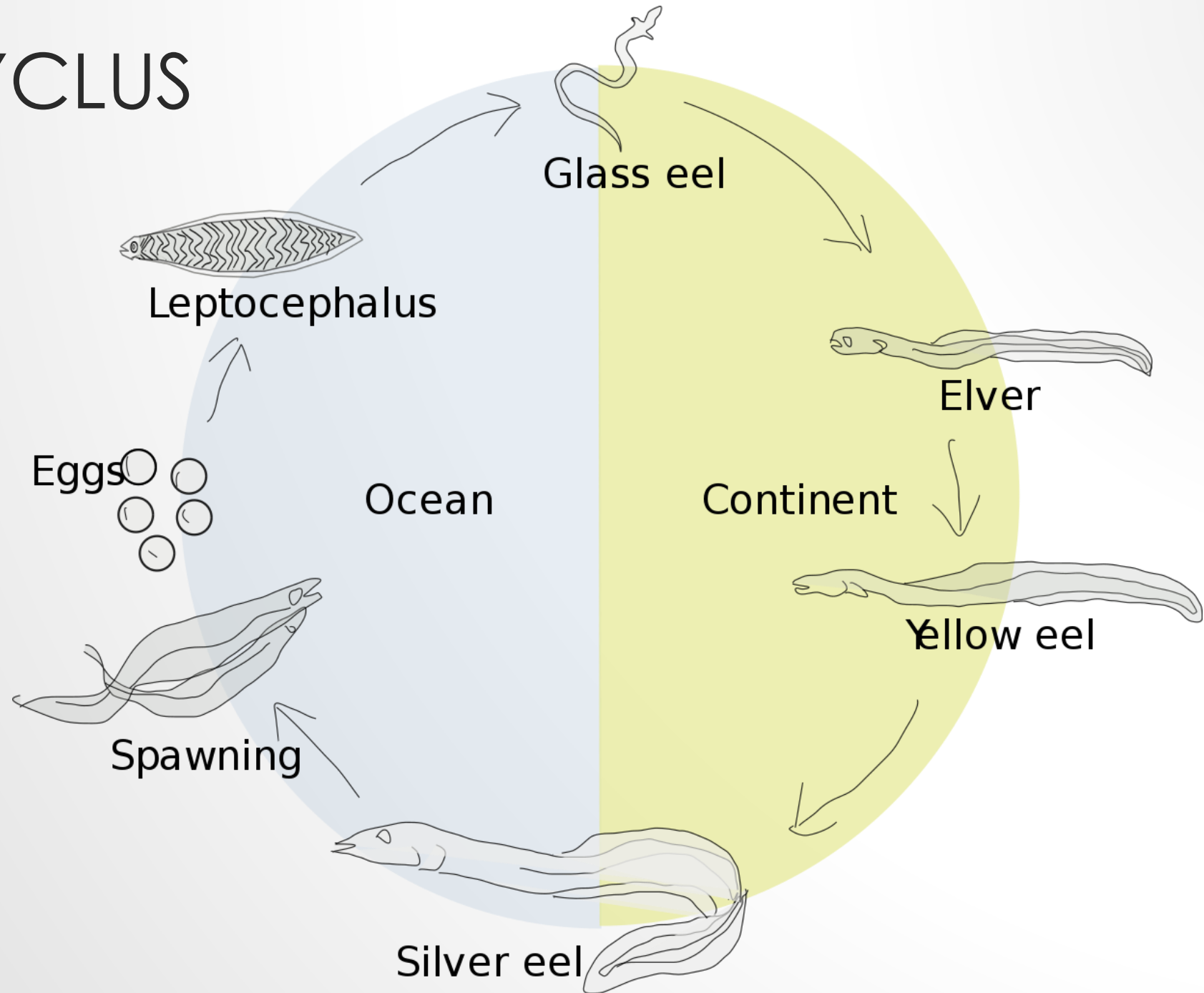
Michiel Perneel

Begeleider: Dr. Pieterjan Verhelst

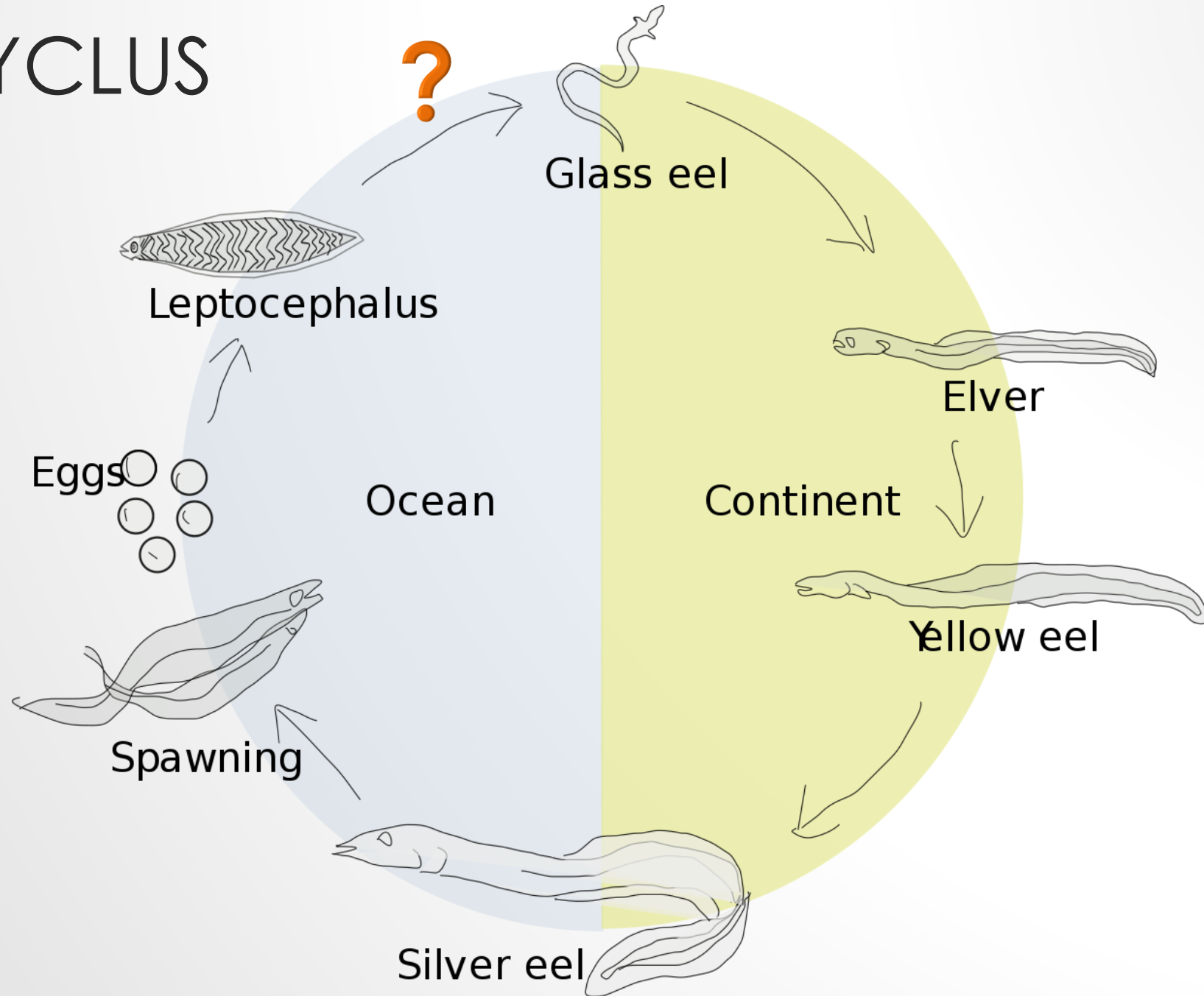
Promotor: Marleen De Troch

2<sup>e</sup> master Evolutionary Biology & Biodiversity UGent

# LEVENSCYCLUS



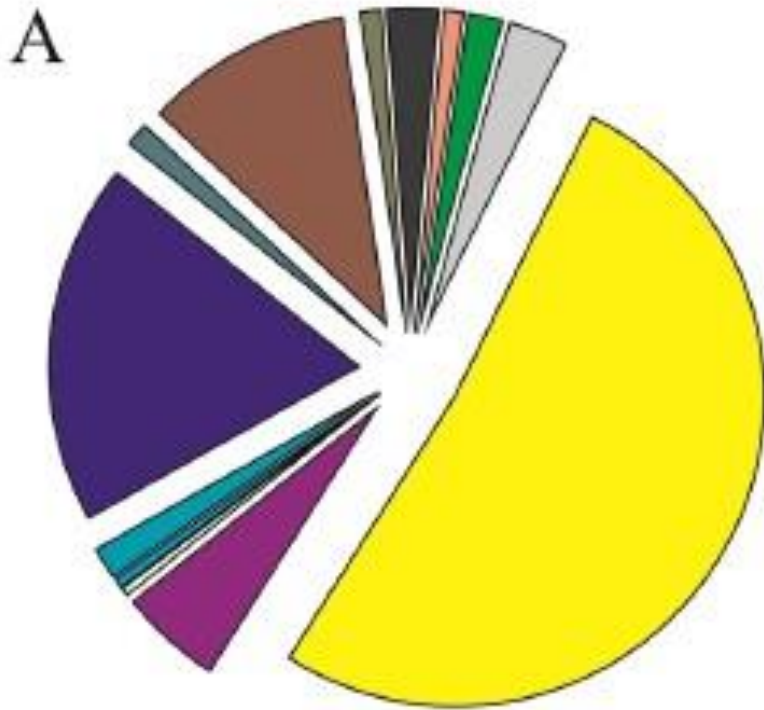
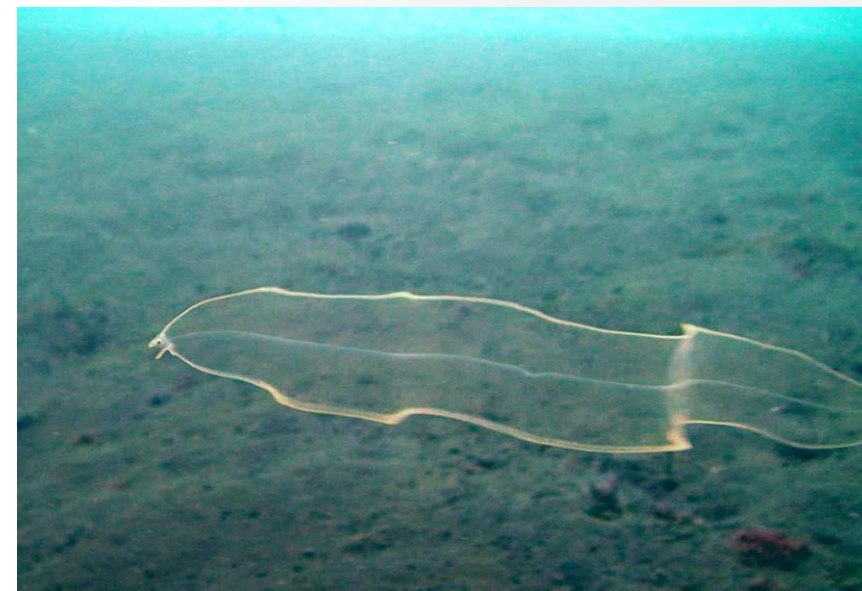
# LEVENSCYCLUS



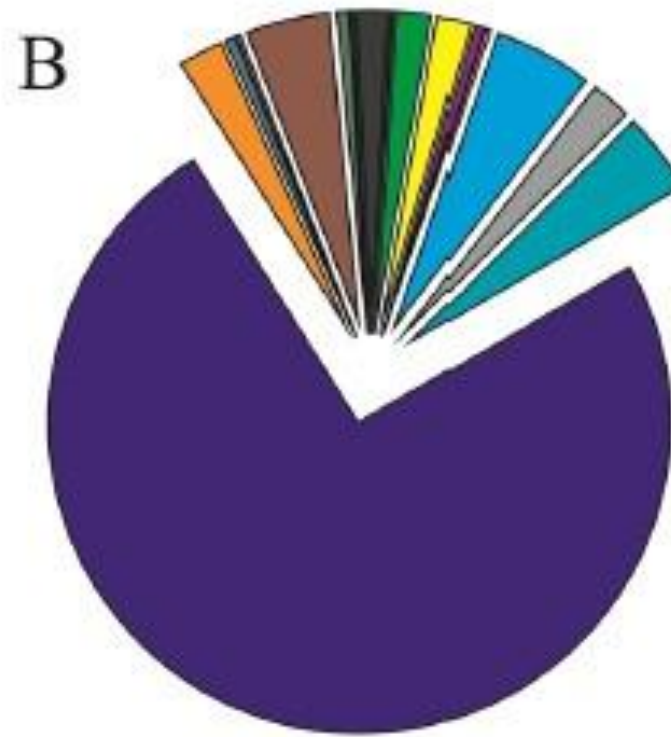
# SCIENTIFIC REPORTS

OPEN

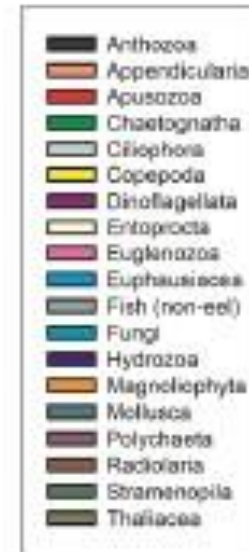
**Gelatinous plankton is important in the diet of European eel (*Anguilla anguilla*) larvae in the Sargasso Sea**



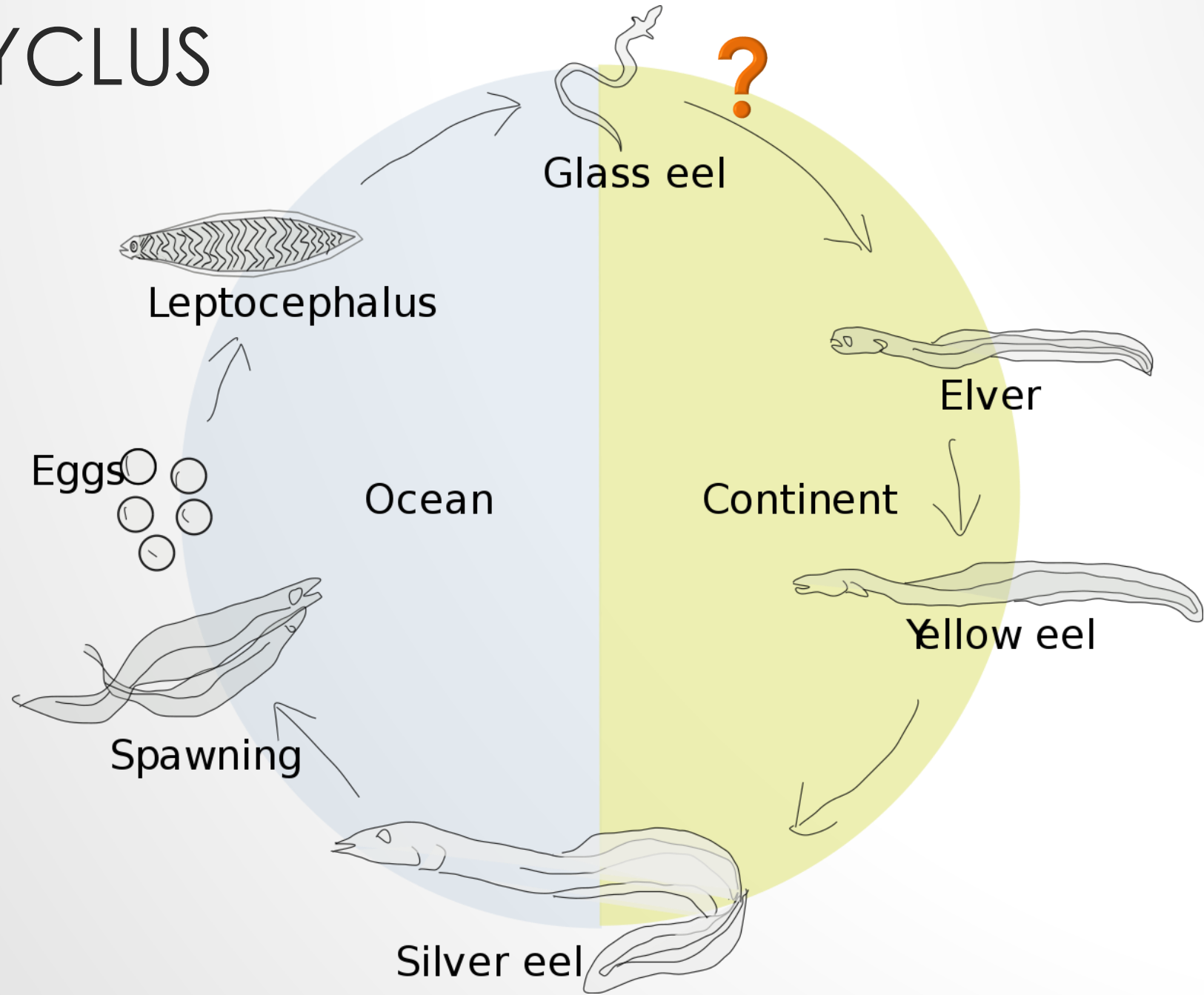
MARINE SNEEUW



MAAGINHOUD



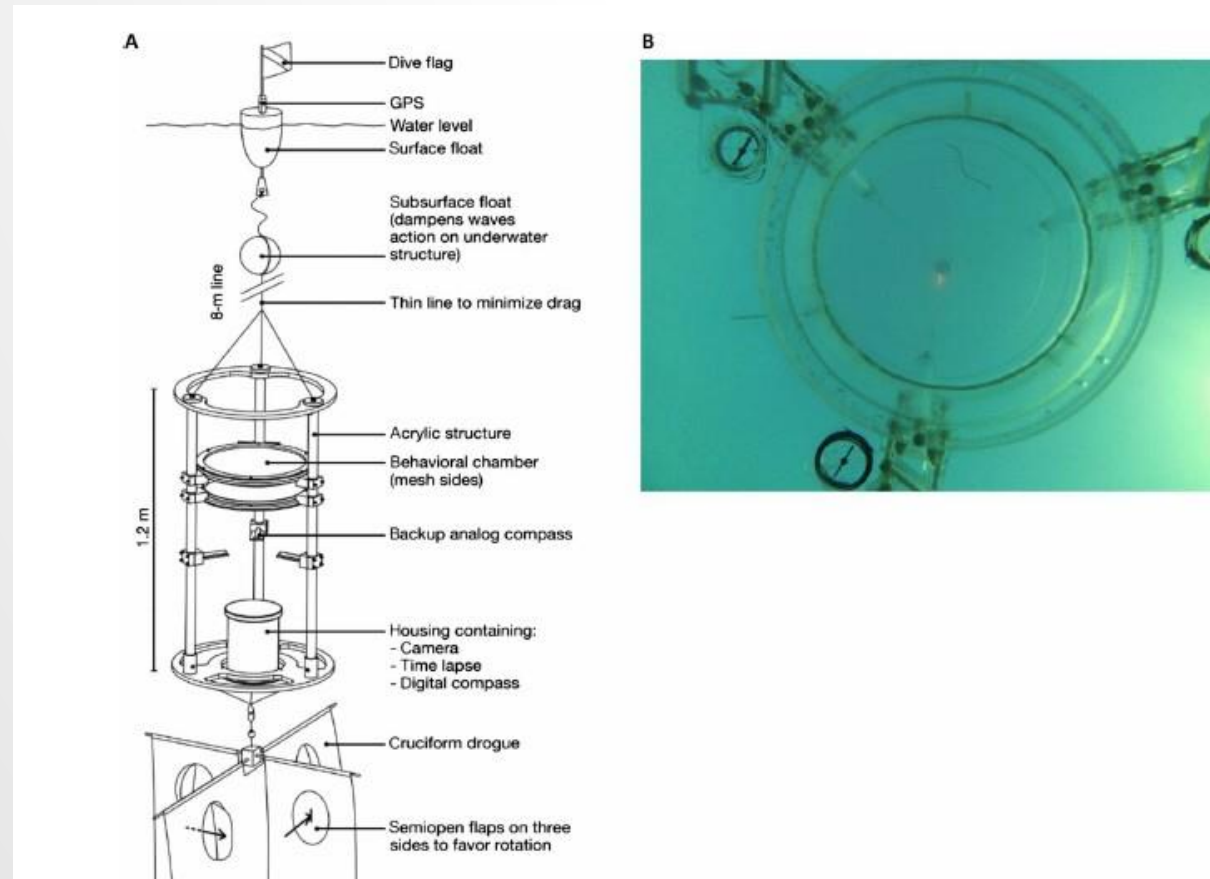
# LEVENSCYCLUS



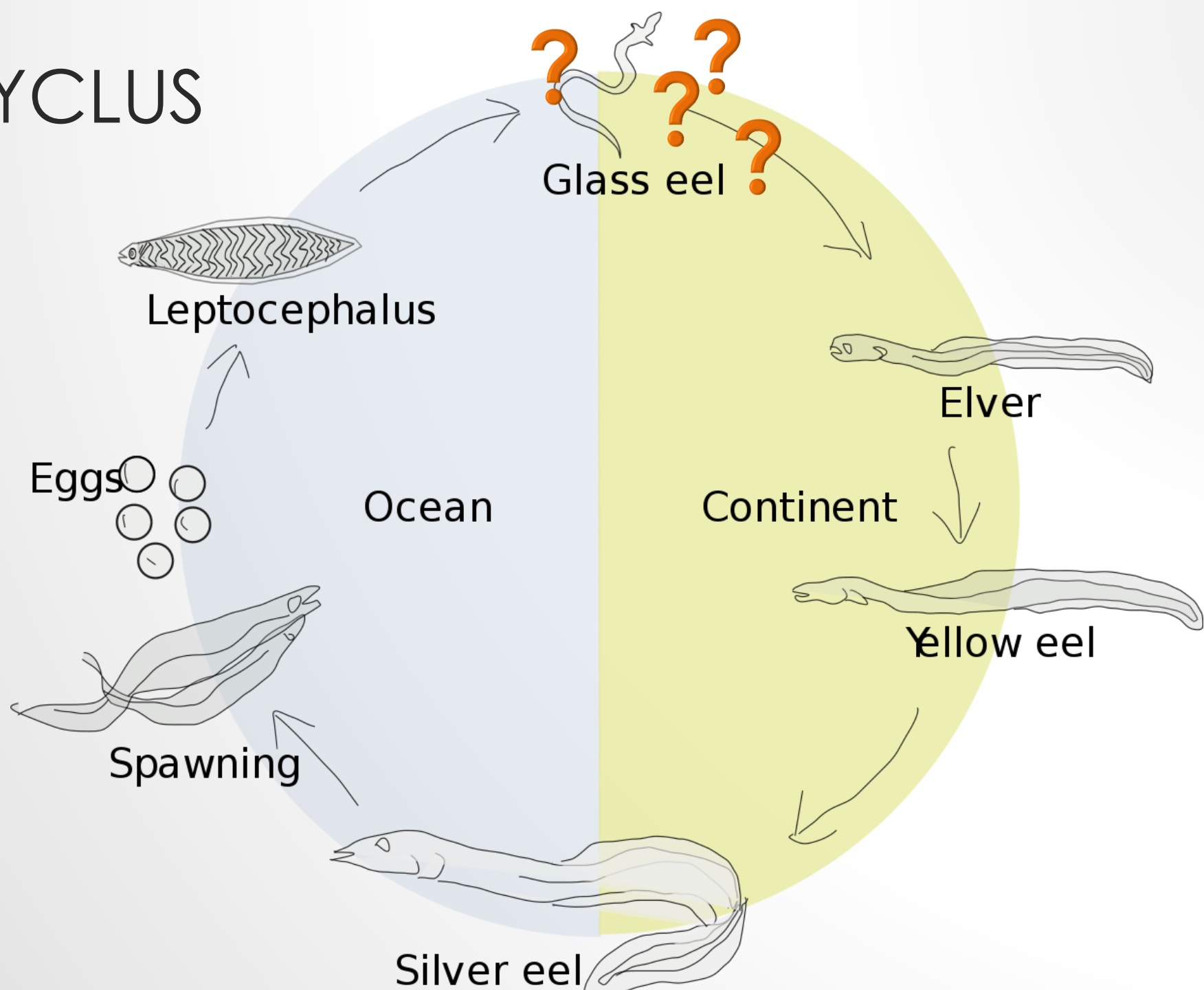


## ANIMAL MIGRATION

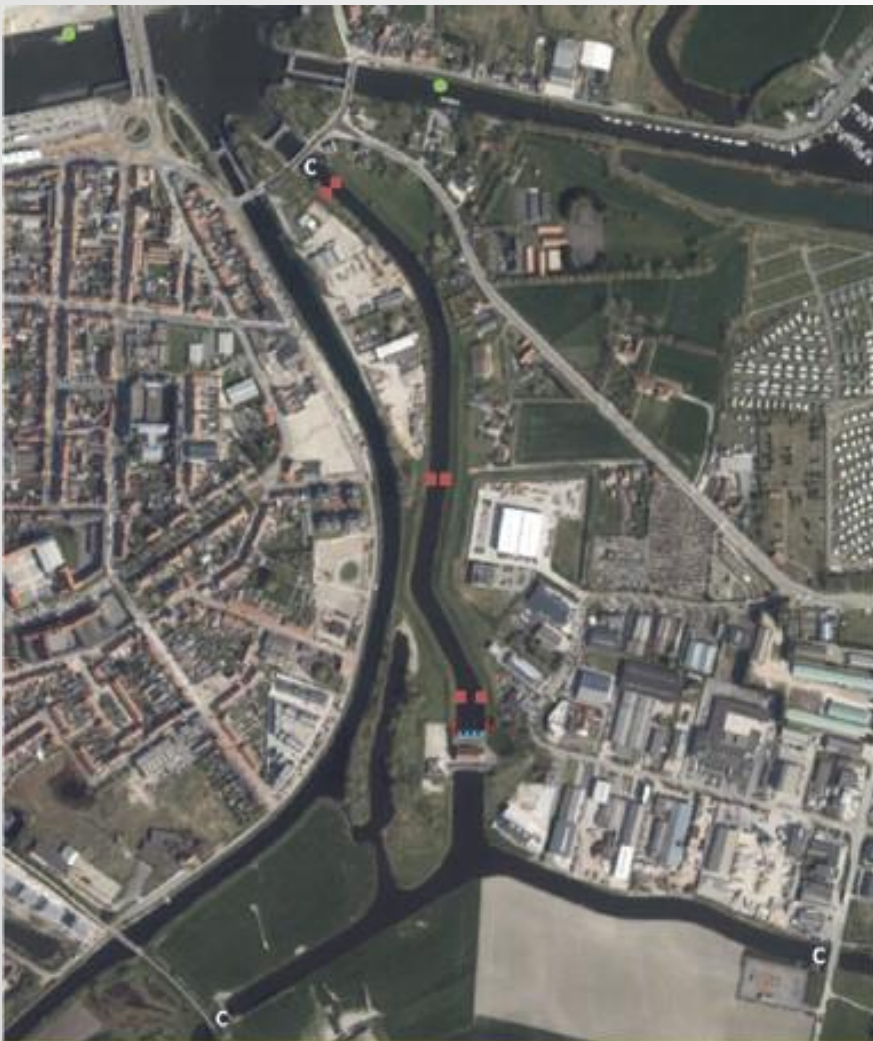
# Glass eels (*Anguilla anguilla*) have a magnetic compass linked to the tidal cycle



# LEVENSCYCLUS



# METHODOLOGIE

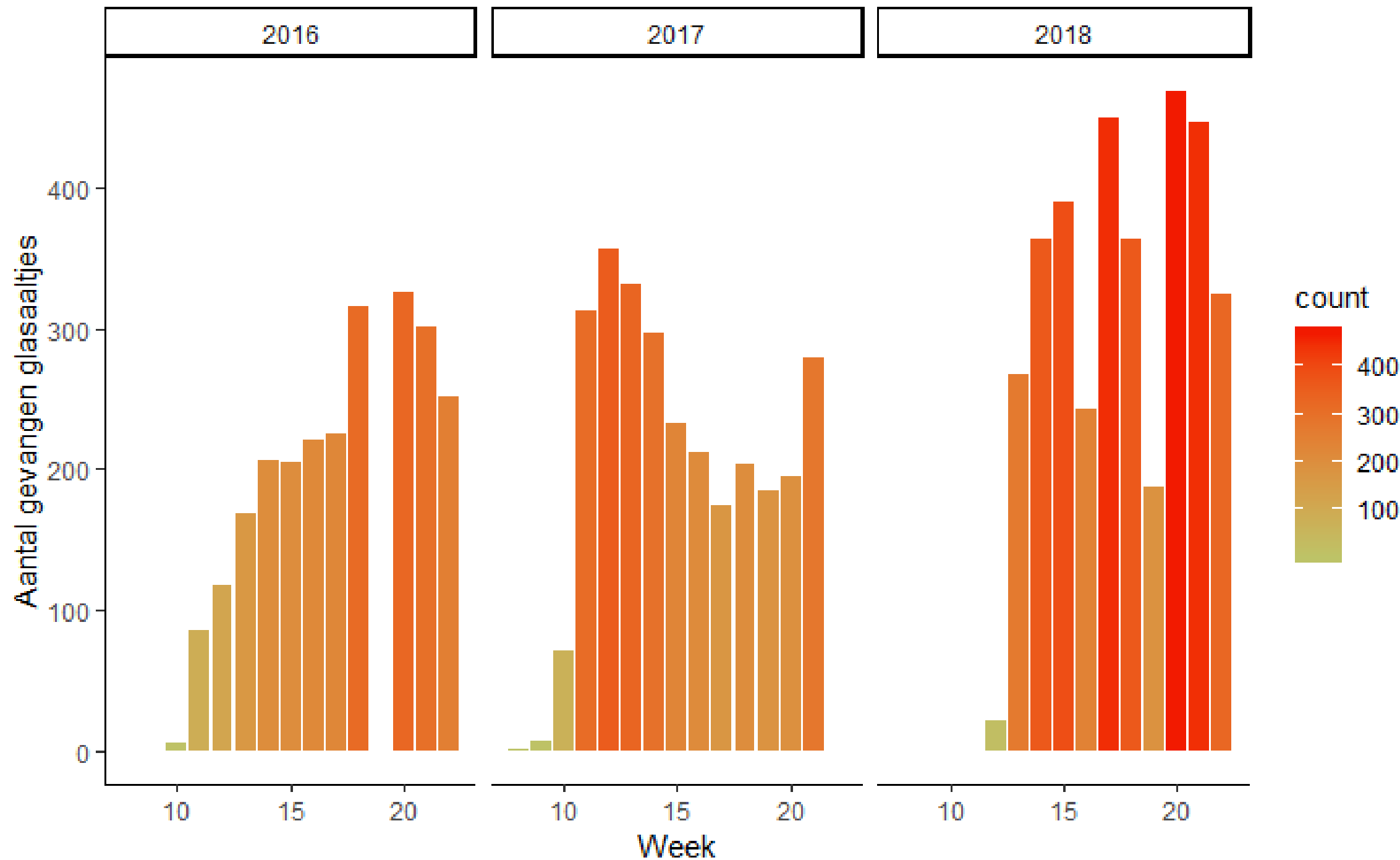


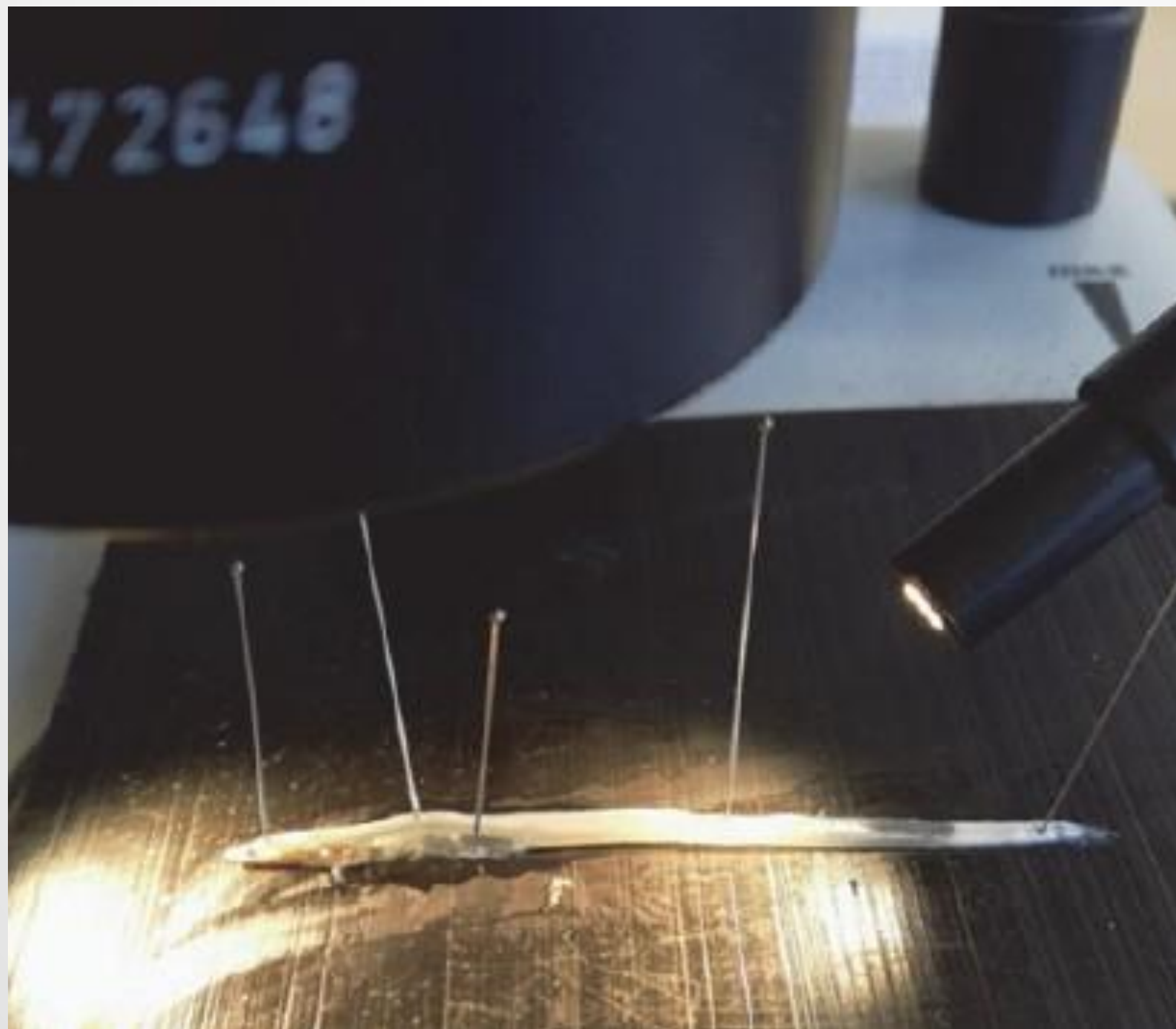
Figuur 6 Overzicht van het onderzoeksgebied (Ganzepoot spuicomplex te Nieuwpoort) met indicatie van de bemonsteringslocaties in het Afvoerkanaal Veurne-Ambacht (rode en blauwe symbolen) en de IJzer (groene symbolen).



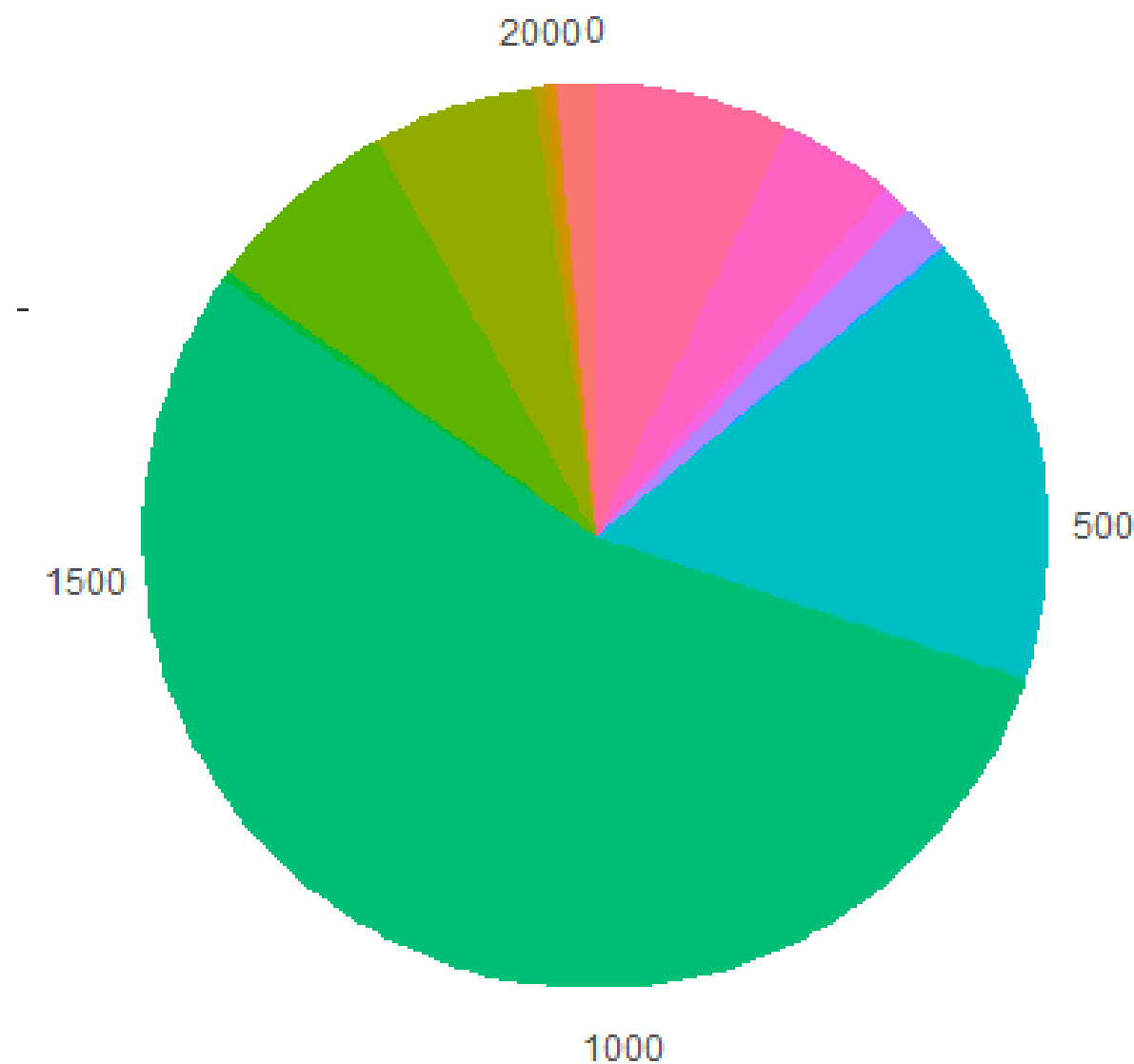
Figuur 4 Overzicht van de diverse vangstconstructies die in het Afvoerkanaal werden toegepast om de glasaalmigratie te kwantificeren. **a.** artificieel substraat ('flottang'), **b.** kruisnet en **c.** palinggoot.







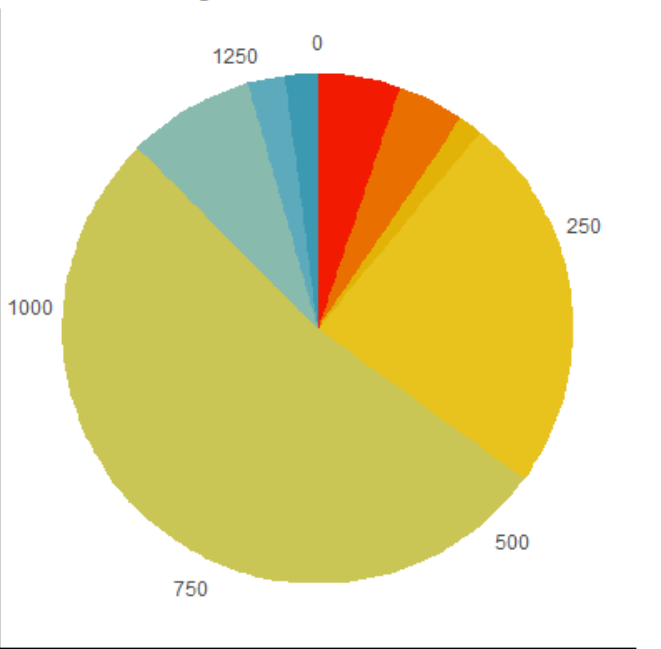
## Diversiteit aan gevonden soorten



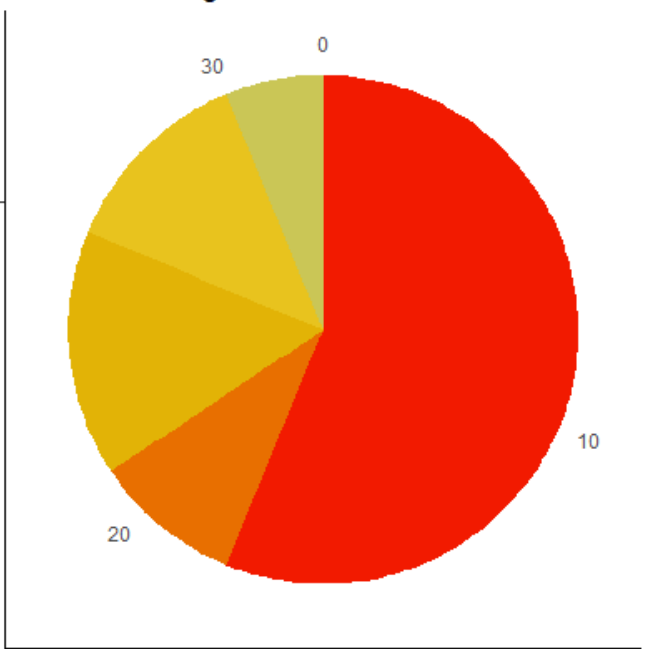
class

- Amphipoda.sp.
- Annelida
- Calanoida.sp.
- Chironomida.sp.
- Cladocera.sp.
- Copepoda.sp.
- Crustaceae.sp.
- Cycloida.sp.
- Diptera.sp.
- Harpacticoid.Copepod
- Hexapode.sp....
- Isopoda
- keverlarve
- Microplastics.Contaminatie.vezels..katoen..
- Pennate.diatomee
- Plantae.sp.
- Polychaete
- Unidentified.sp.

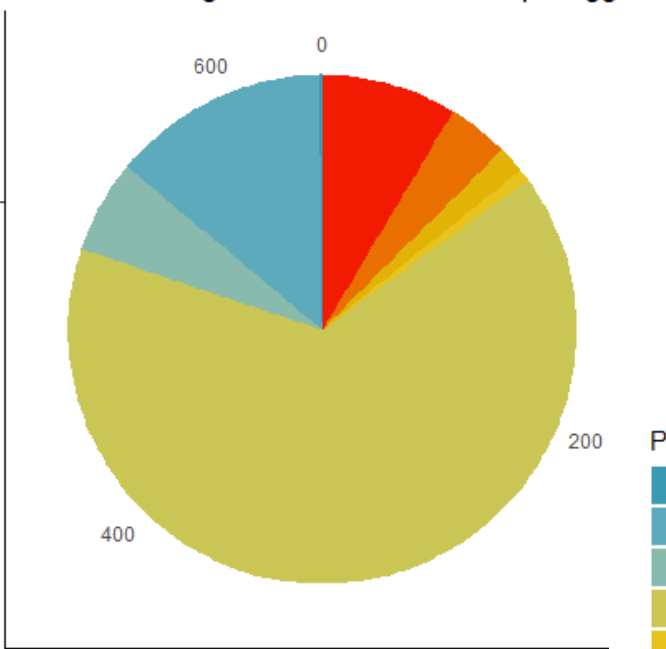
Diversiteit aan gevonden soorten in de substraten



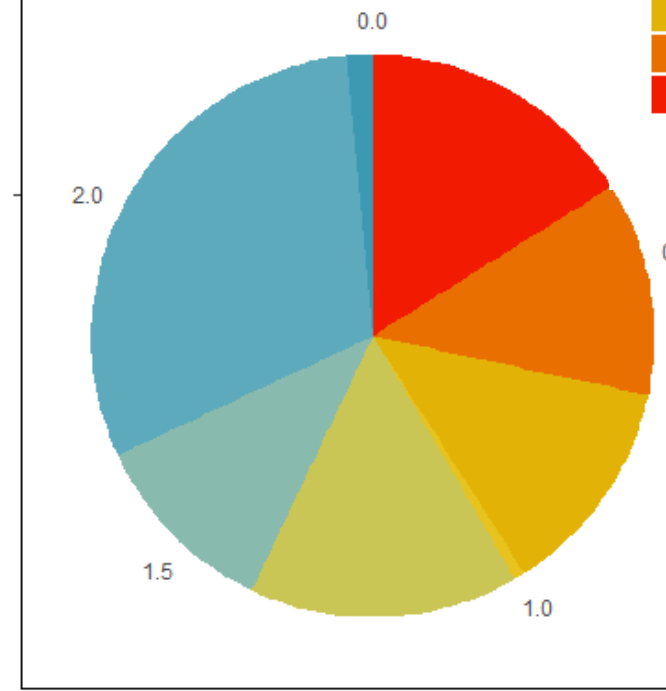
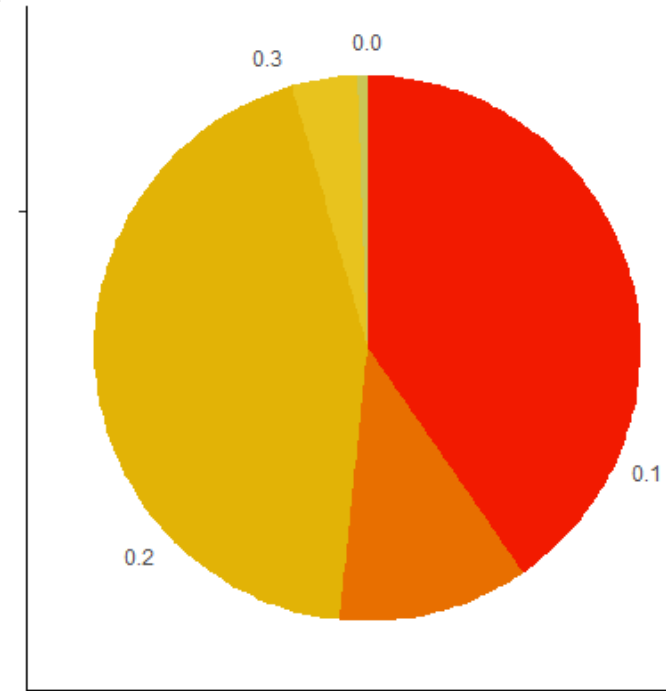
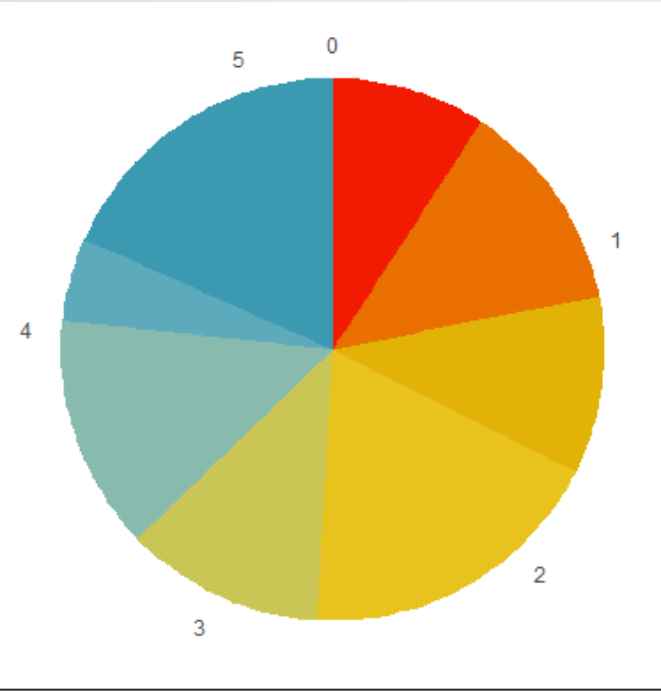
Diversiteit aan gevonden soorten in de kruisnetten



Diversiteit aan gevonden soorten in de palinggoot

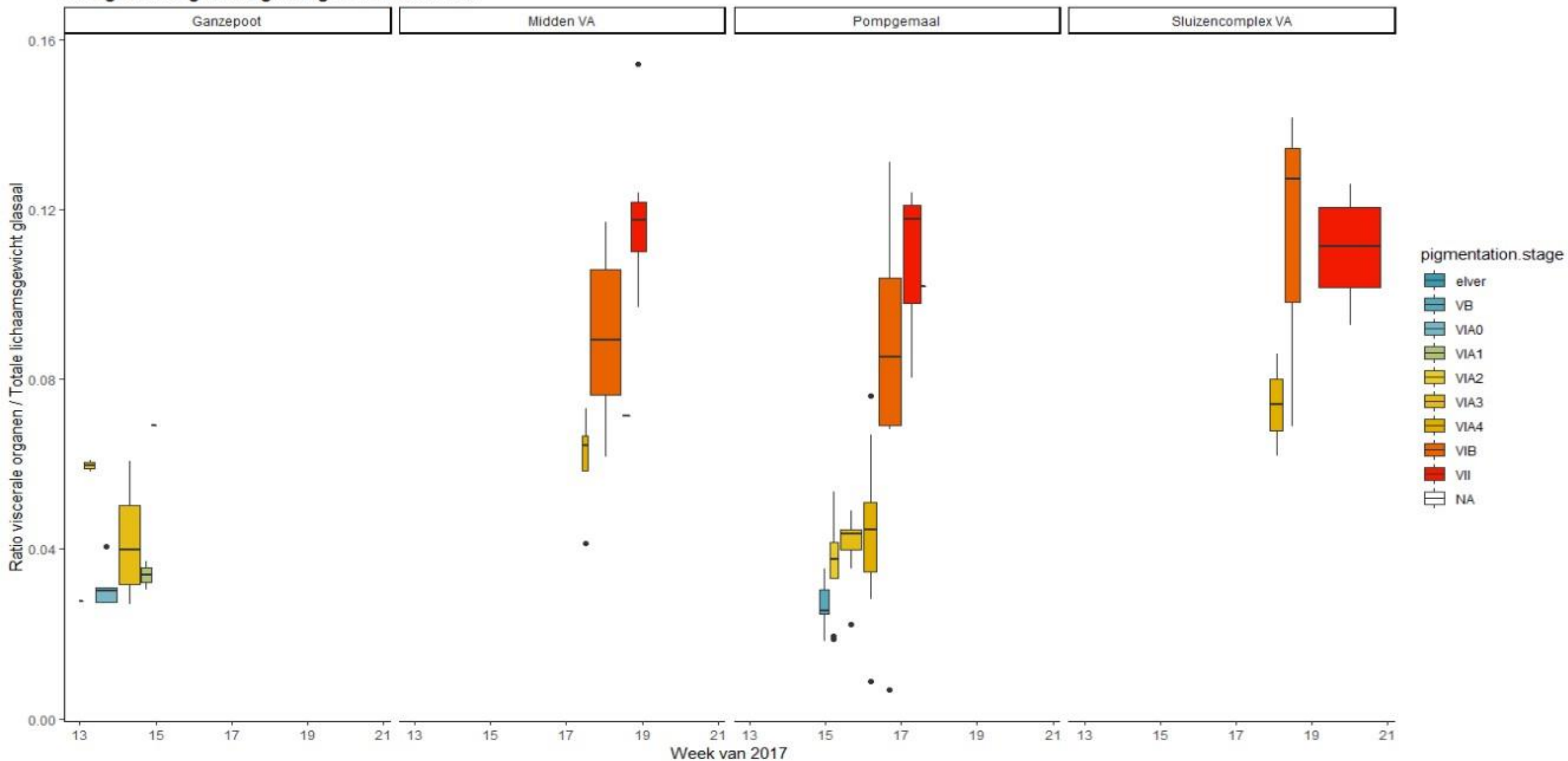


- Prooigroep
- Amphipoda.sp.
  - Cladocera.sp.
  - Copepoda.sp.
  - Cycloida.sp.
  - Harpacticoid.Copepod
  - Microplastics.Contaminatie.vezels..katoen..
  - Polychaete
  - Unidentified.sp.

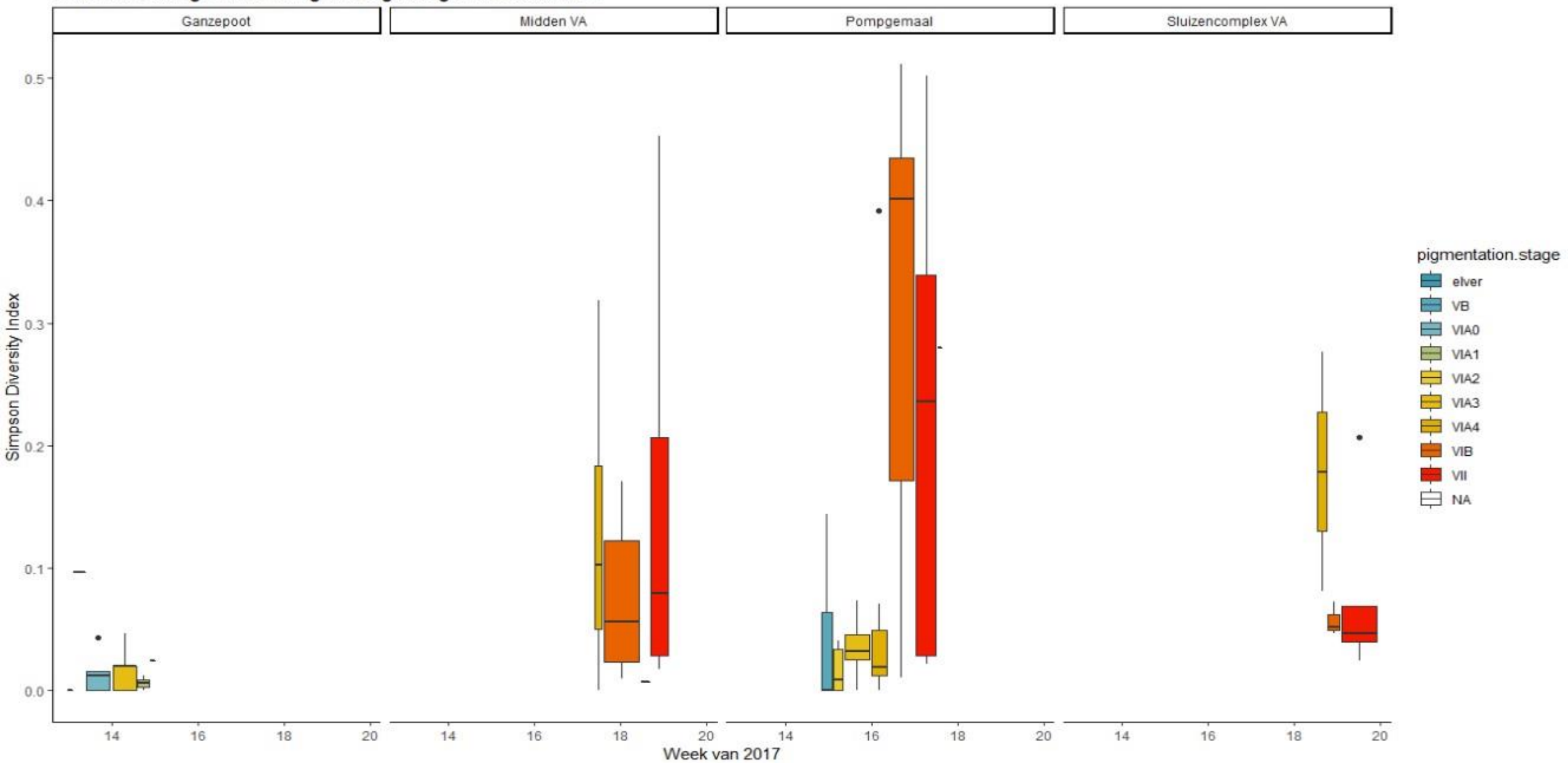




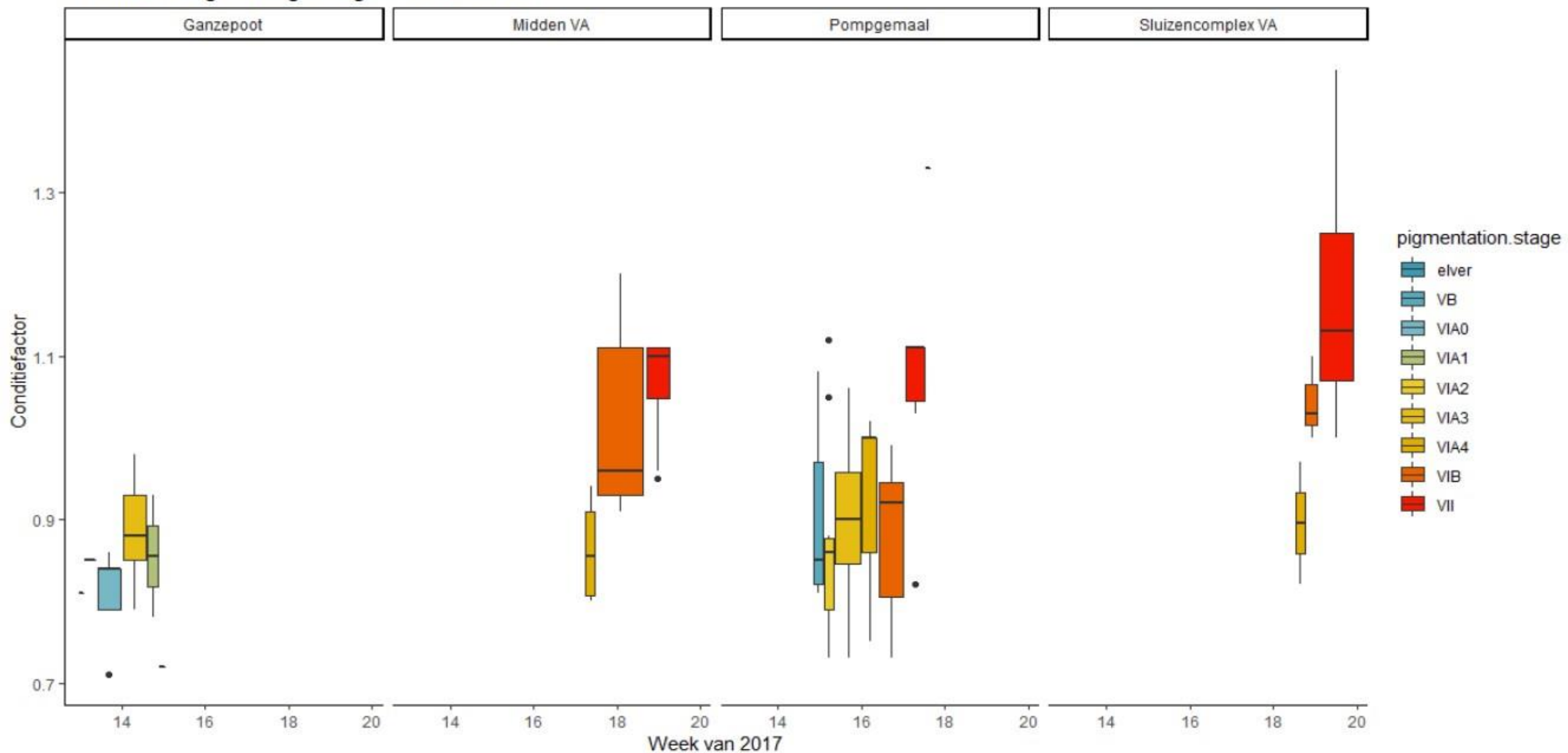
# Maagvolume glasaal gevangen in substraten



# Diversiteit maaginhoud van glasaal gevangen in substraten



# Conditie van glasaal gevangen in substraten



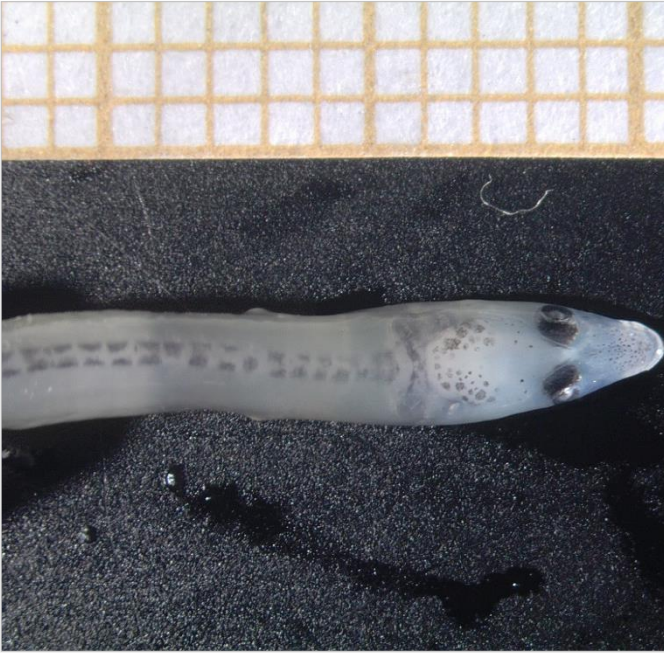


## CONCLUSIES



- Vetzuuranalyses
- Kopmorfologie
- Link met fysico-chemische omstandigheden
- Evaluatie aangepast spuibeheer





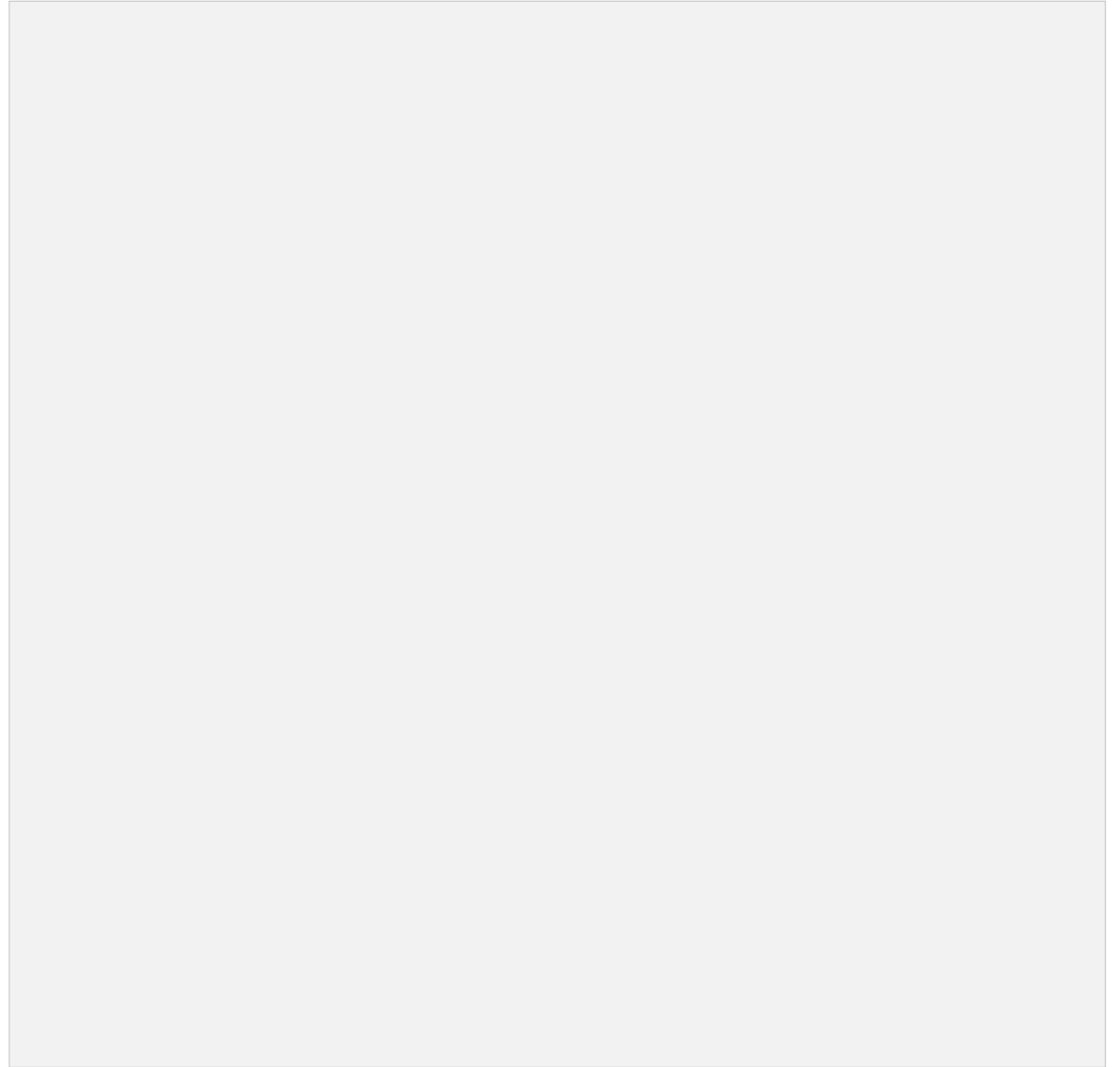
## VERDER ONDERZOEK



- Vetzuuranalyses
- Kopmorfologie
- Link met fysico-chemische omstandigheden
- Evaluatie aangepast spuibeheer

# BEDANKT VOOR DE AANDACHT!

vragen, bedenkingen &  
suggesties:  
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# Maagvolume glasaal gevangen in substraten

