

Citizen Science in the Netherlands

Collaboration is key!

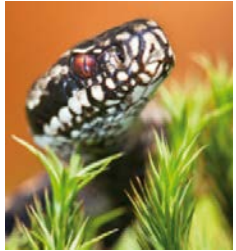
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Fabian Smith, Edo Goverse, Rob van Westrienen



RAVON

Reptile Amphibian Fish Conservation Netherlands

What is RAVON?



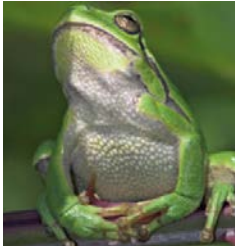
Non-governmental organization (NGO)



Working from Nature-plaza (RU Nijmegen) and UVA (Amsterdam)



~50 members of staff



Specialised on reptile, amphibian and fish species and the conservation of their habitats and populations



Increasing public awareness of these animal groups



Around 2000 volunteers → collecting data or conducting conservation measures, organised in regional/species/project groups



Consultancy work for national, regional and local governments, civil authorities, water boards, land owners, private companies

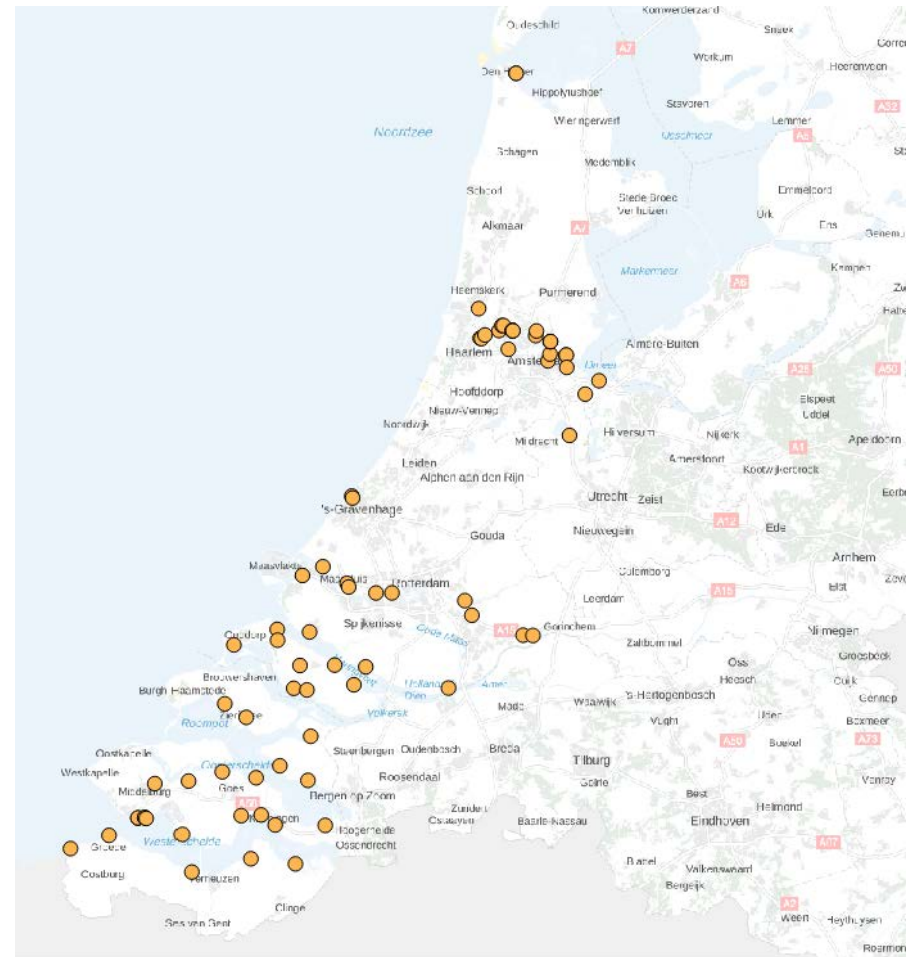


NO volunteers = NO data



Monitoring glass eels

- 77 locations
- >150 volunteers
- 2014 – 2019+
- February – June



Monitoring glass eels – Zuid-Holland

- 7.050 hauls
(3688 with fish!)
- 44.455 fishes
- 49 fish species



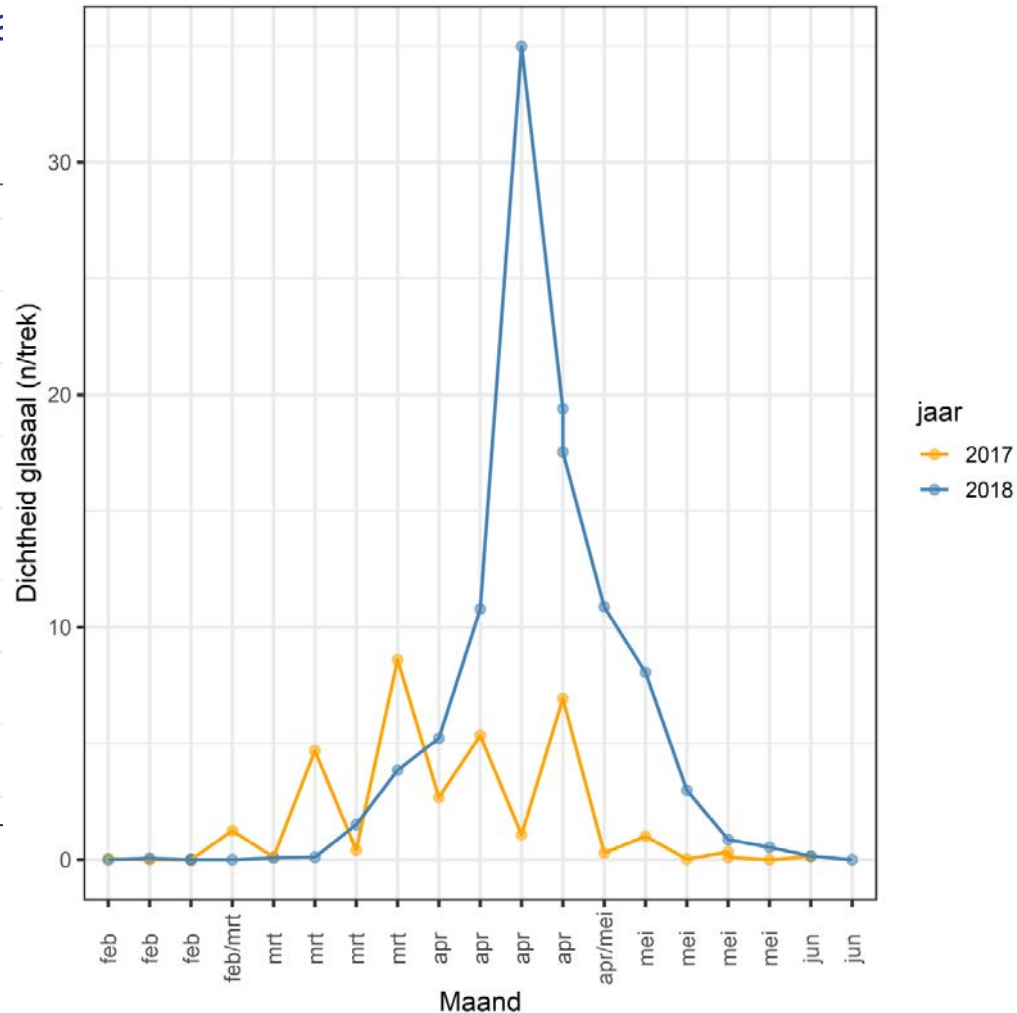
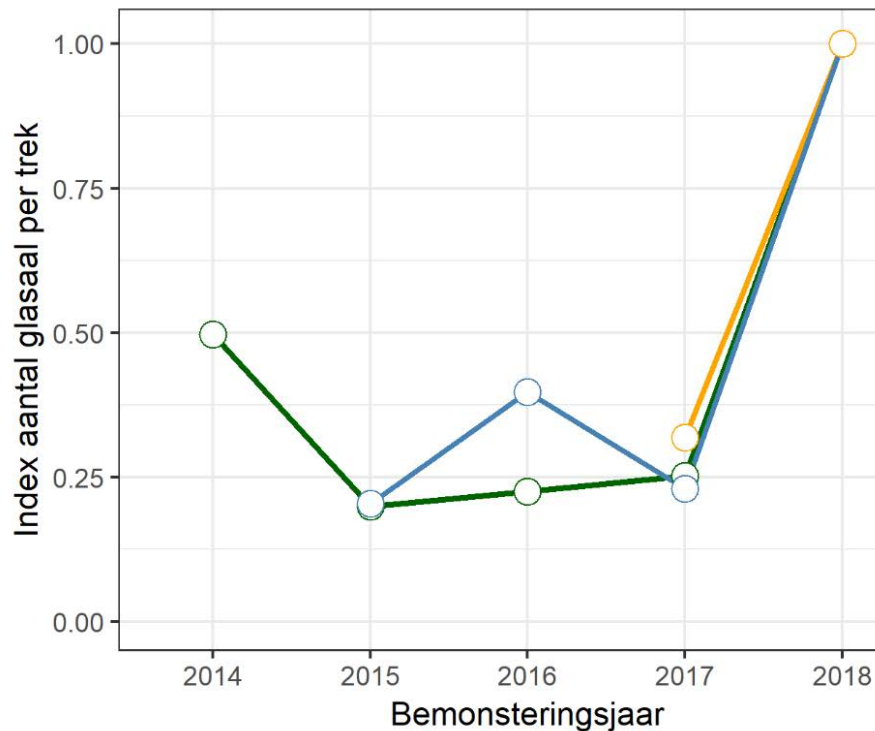
Top 5

1. 15.583 herrings (7.738 in 2017 – one location)
2. 8.803 (glass)eels
3. 4.636 zanders
4. 4.194 ides
5. 2.542 three spined stickle backs



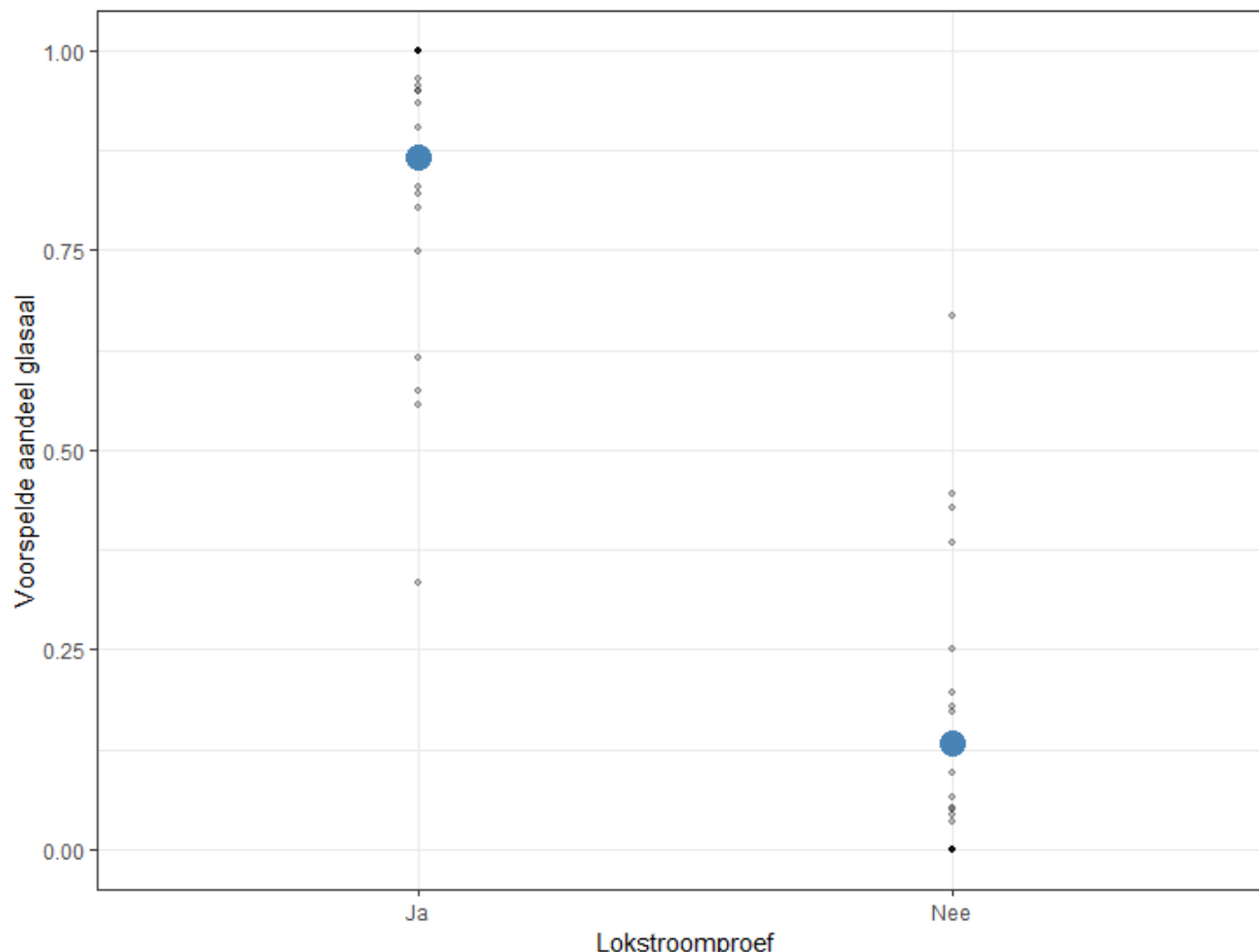
Monitoring glass eels – why?

- Provides insight in space and time of fishes (including glass eels)
 - Regional and (inter)national
 - Seasonal

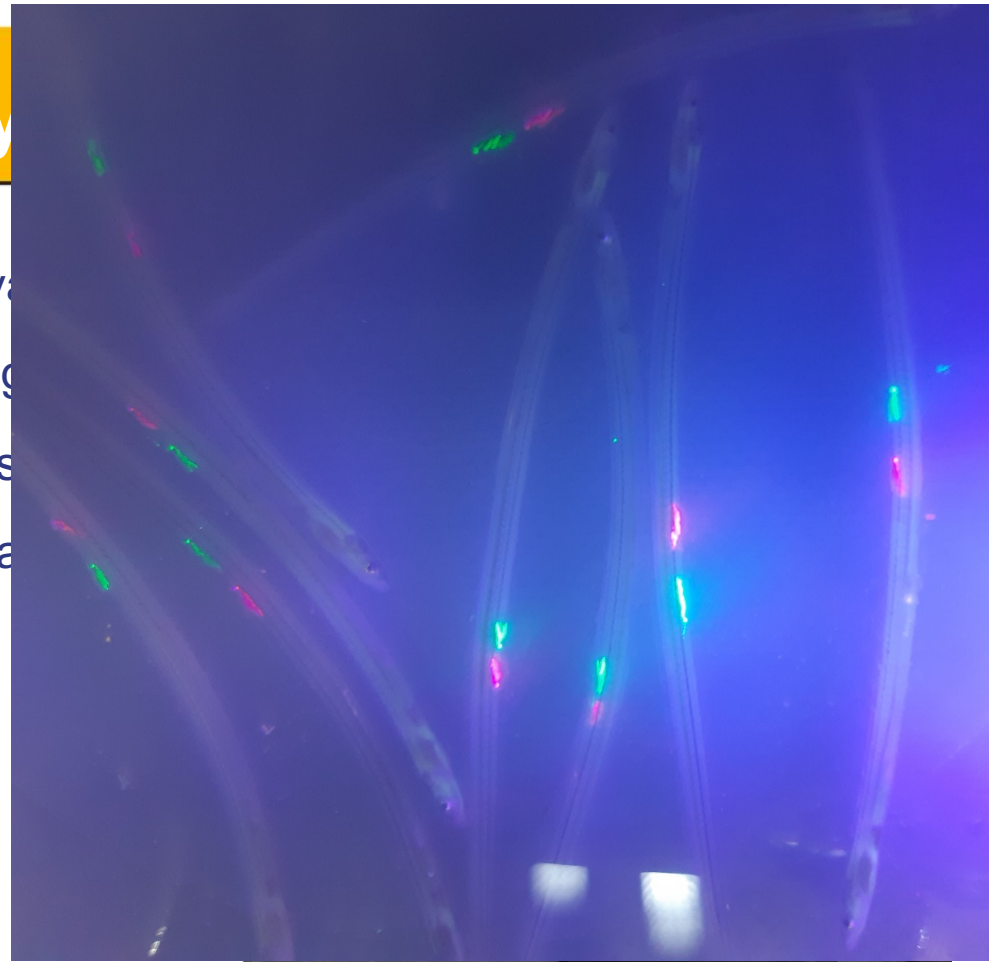


Monitoring glass eels

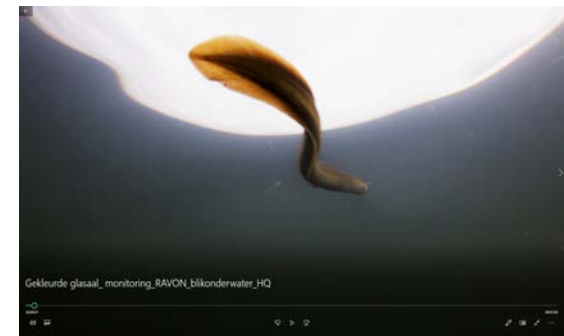
- Detecting routes
 - Crucial migration barriers and/or locations



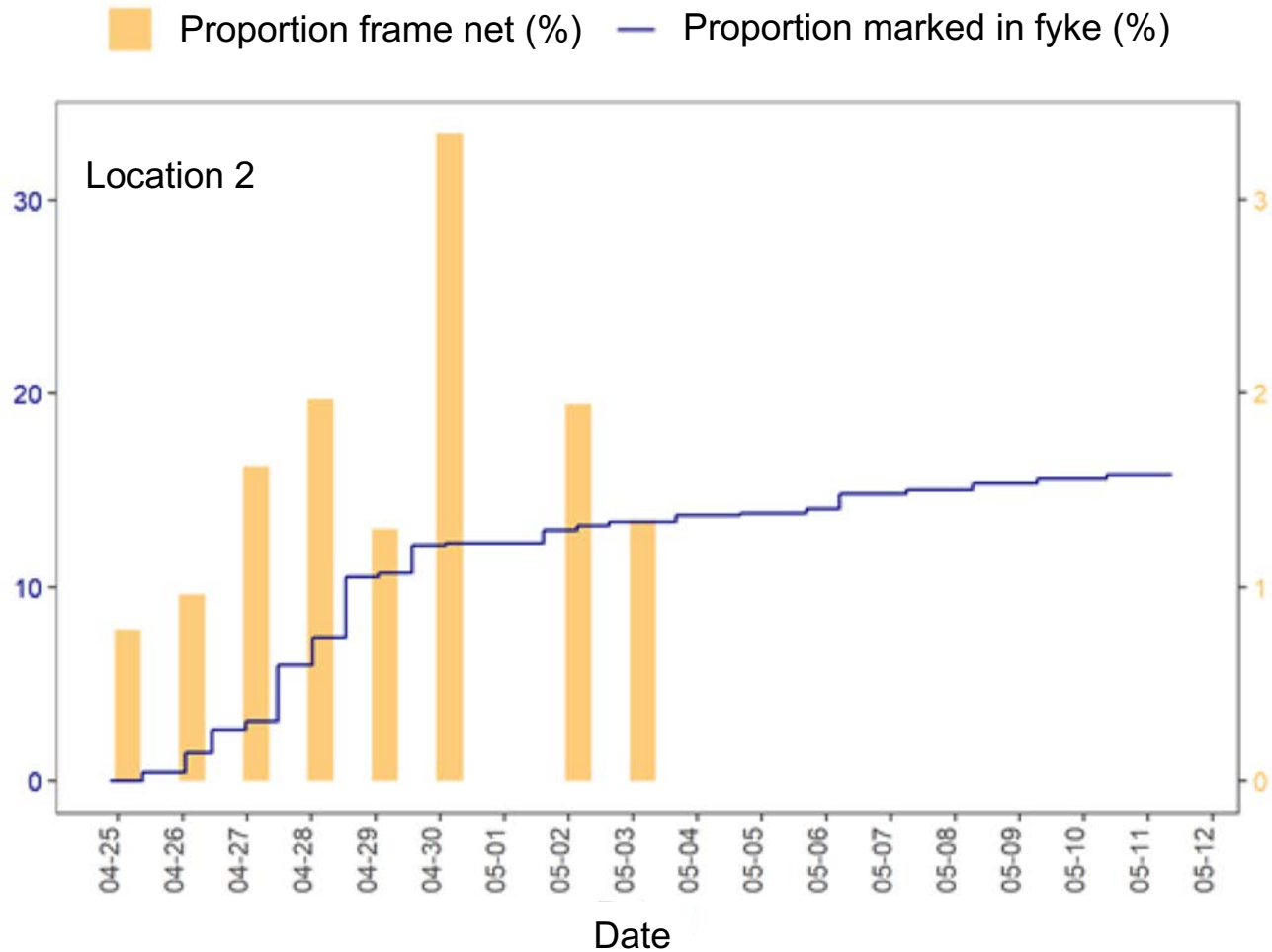
Evaluating fishway



Visible Implantable Elastomer (VIE)



Evaluation fishways





Save our eel! RAVON

- Golden eel cup
 - 2019: best water manager wins
 - 2021: price *runner-up*
- Glass eel monitoring
 - Getting the most out the our data
- Evaluating fishways
 - Mapping the efficiency of fishways
- Eel reserves
 - Protected areas (together with water managers)
- Dealing with poachers in the Netherland
 - Tracking poachers with undercover teams and several authorities
 - Fykes



Other essential partners:



Wij worden gesteund door



Waterschap
Amstel, Gooi en Vecht



Thank you for your attention!



Photo's eel: Jelger Herder

