

Site fidelity and movements of cod (*Gadus morhua*) at a wind farm using acoustic telemetry

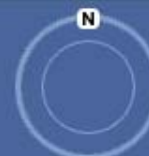


Photo courtesy of Karl Van Ginderdeuren

Aug 6, 2010 12 pm

Aug 2010 Nov 2010

VR1



VR5



VR2



Ref tag 2



VR4



Background information of cod

High densities & feed upon epifauna

- High densities in summer & autumn
- Feed upon epifaunal prey

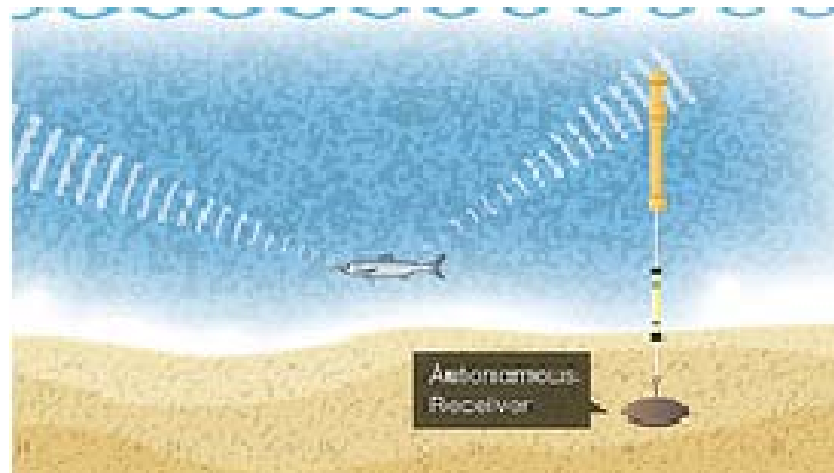
Reubens *et al.* 2011

- Questions remain:
 - Daily migrations
 - Where feeding?
 - Move between piles?
 - Day/night activity?
 - Seasonal migrations
 - When arrive/leave?
 - Resident?

→ ACOUSTIC TELEMETRY

Passive acoustic telemetry

How does it work

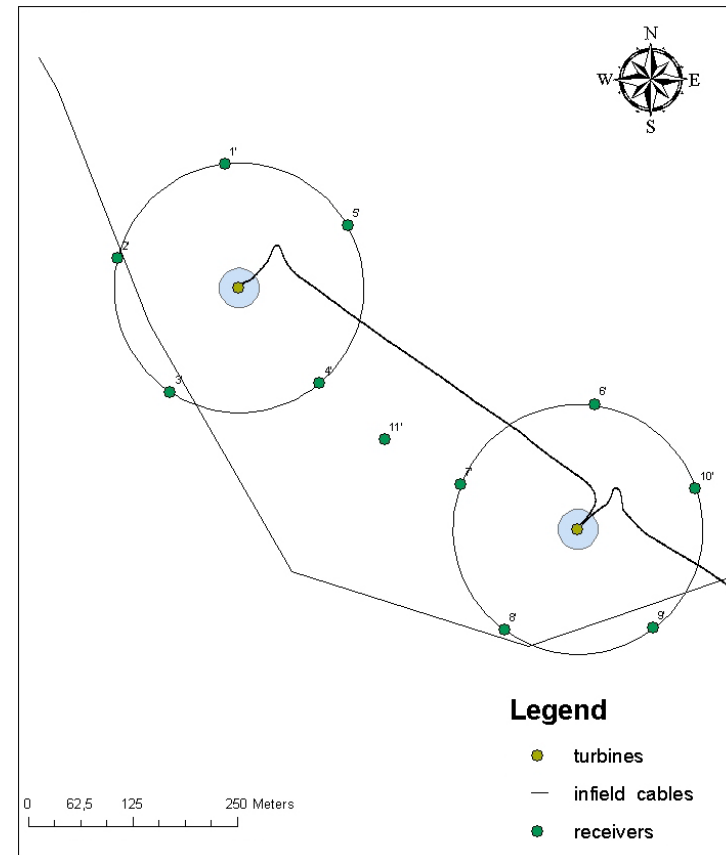


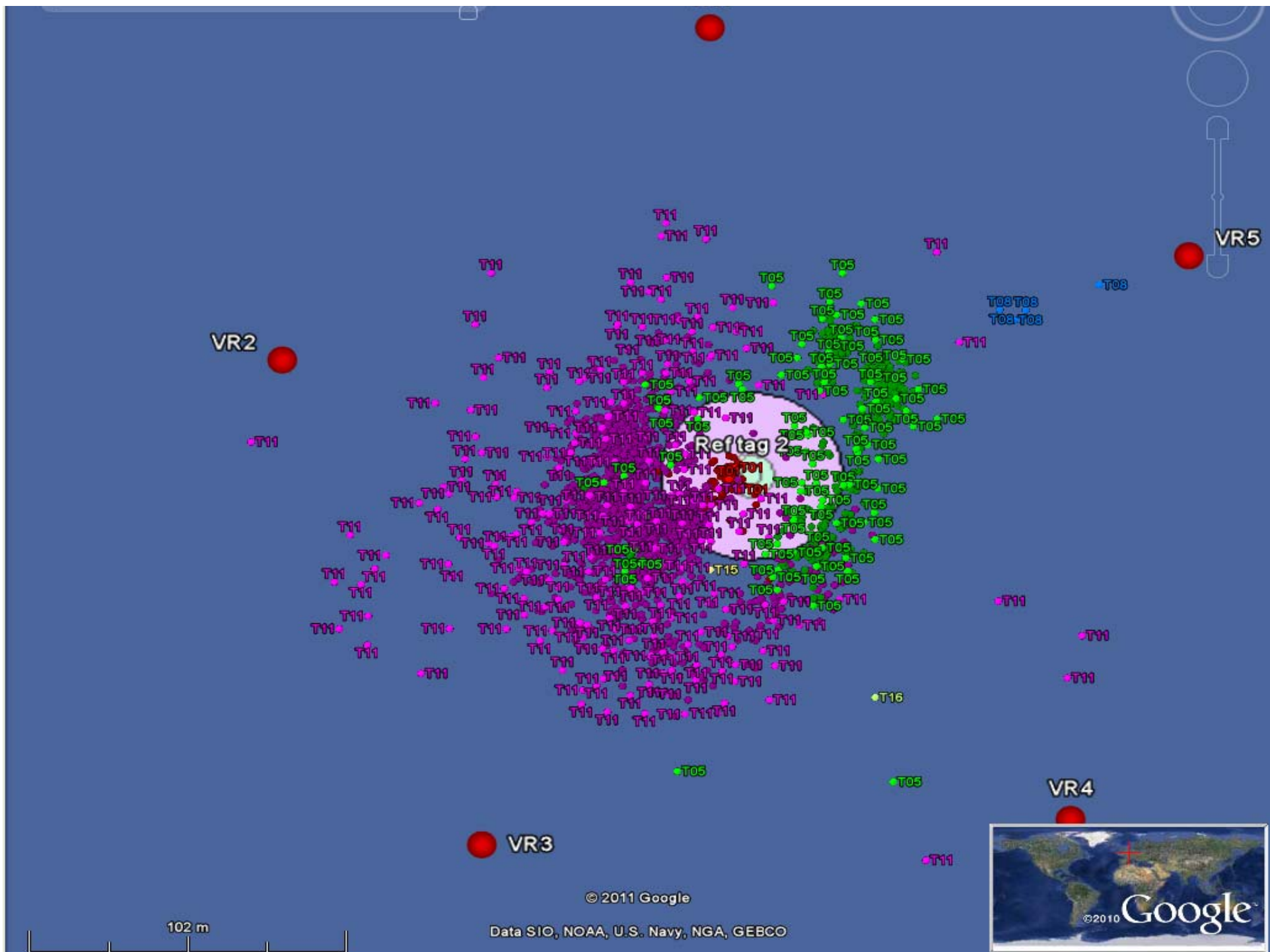
Acoustic telemetry

Design and implantation

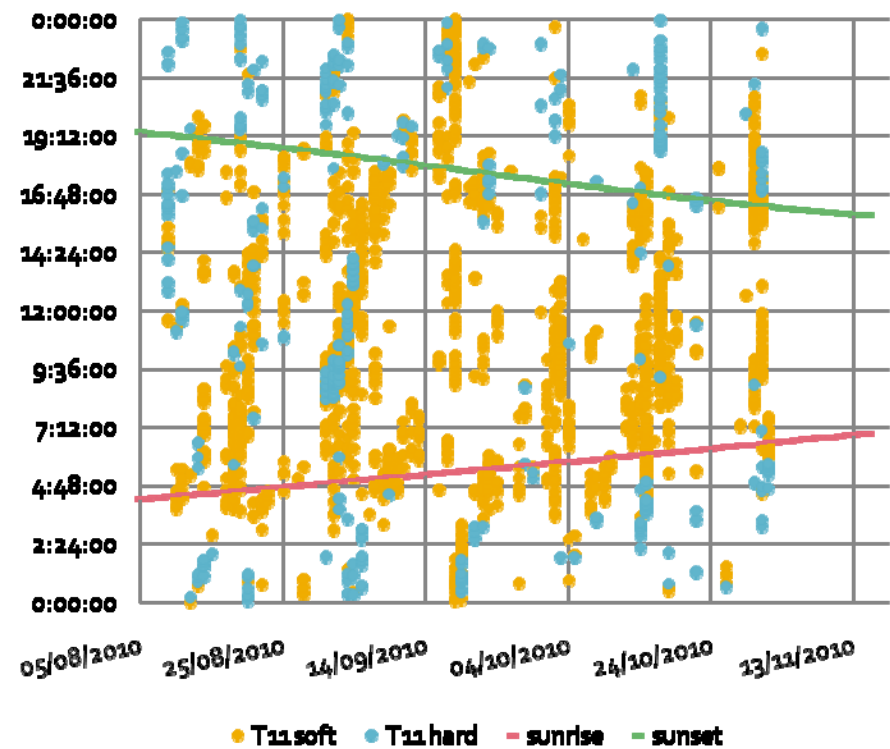
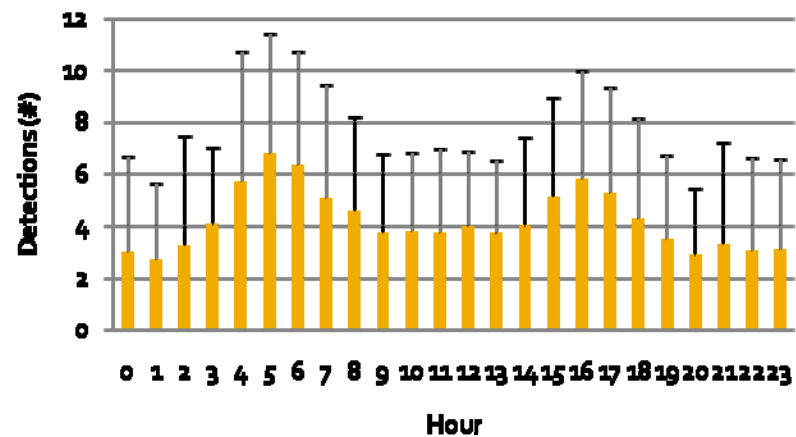
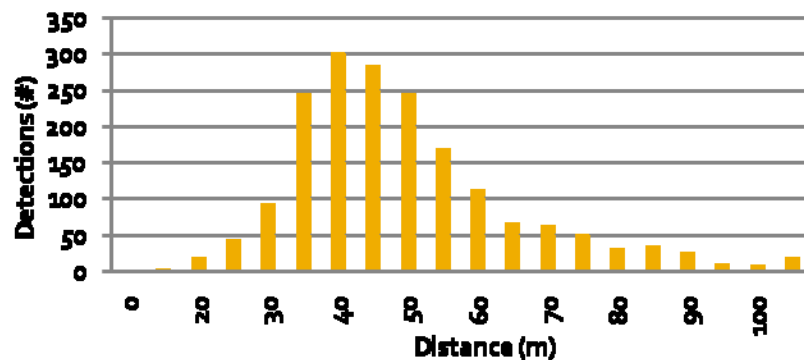


- Optimal design
- Tag implantation
 - Catch fish from the wild
 - Tag implantation
 - Release animals
- Data retrieval





First results T₁₁



Thank you for your attention

