

# ***Fleur Visser, PhD***

*Principal scientist Kelp Marine Research*

Loniusstraat 9, 1624 CJ, Hoorn, the Netherlands  
fvisser@kelpmarineresearch.com; f.visser@uva.nl  
www.kelpmarineresearch.com

## **Professional Experience**

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*Principal scientist Kelp Marine Research (2010 – present)*

- Expertise: cetacean behavior and ecology, social behavioral response, noise effects
- Behavioral Response Studies, Controlled Exposure Experiments
- 3S, SOCAL-BRS and Azores-Baseline BRS

*Research fellow (2011 – present)*

- Leiden University, Behavioural Biology Group

*PhD (2014)*

- Social and migratory behavior of dolphins and whales in the North Atlantic Ocean
- University of Amsterdam, Institute of Biodiversity and Ecosystem Dynamics

*Researcher (2004 – 2010)*

- Research on the effects of anthropogenic noise on cetaceans
- The Netherlands Organization for Applied Scientific Research (TNO)

*Project manager Broadhaven Bay Marine Mammal Monitoring Project (2009 – 2010)*

- University College Cork, Coastal and Marine Research Centre

## **Education**

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1998 – 2004 MSc. Marine Biology *with special honors*

University of Amsterdam & University of Groningen, the Netherlands

1998 High school diploma at the OSG, Hoorn, the Netherlands

## **Grants**

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2-year post-doctoral research (project PI) - Marine Mammals and Biology Program

- Office of Naval Research (ONR), USA (2015-2017)
- personal grant

4-year post-doctoral research (project PI) - Marine Mammals and Biology Program

- Office of Naval Research (ONR), USA (2011-2014)
- personal grant

Research project: Sowerby's beaked whale diving behavior

- Marine Mammal Commission (2014)

Research project: Sowerby's beaked whale diving behavior  
- Office of Naval Research (ONR), USA (2012)  
Marie Curie ECOSUMMER. EU grant, January – April 2009.

### Professional Skills

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- Project leadership and management
- Multi-disciplinary experience in research- and analytical methods
- Study species: delphinids, beaked whales, baleen whales, sperm whale.
- Languages: Dutch, English, German, French, Portuguese, Danish

### List of Publications

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- Arranz P, DeRuiter SL, Stimpert AK, Neves S, Friedlaender AS, Goldbogen JA, **Visser F**, Calambokidis J, Southall BL, Tyack PL (in review). Discrimination of fast click series produced by Risso's dolphins for echolocation or communication.
- Sivle LD, Kvadsheim PH, Curé C, Isojunno S, Wensveen PJ, Lam FPA, **Visser F**, Kleivane L, Tyack PL and Miller PJO (in review). Severity of putative behavioural responses of humpback whale, minke whale and Northern bottlenose whale to naval sonar.
- Miller PJO, Kvadsheim PH, Lam FPA, Tyack PL, Curé C, DeRuiter SL, Kleivane L, Sivle L, van IJsselmuide SP, **Visser F**, Wensveen PJ, von Benda-Beckmann AM, Martin-Lopez L, Narazaki T and Hooker SK (in press). Northern bottlenose whales are sensitive to noise disturbance. Royal Society Open Science
- Curé C, Doksæter Sivle L, **Visser F**, Wensveen PJ, Isojunno S, Harris C, Kvadsheim PH, Lam FPA, Miller PJO (2015). Predator sound playbacks reveal flight responses in a fight strategist baleen whale. MEPS 526:267-282
- Oudejans MG, **Visser F**, Englund A, Rogan E, Ingram SN (2015). Evidence for distinct coastal and offshore communities of bottlenose dolphins in the North East Atlantic. PLOSone DOI: 10.1371/journal.pone.0122668
- Visser F**, Miller PJO, Antunes RN, Oudejans MG, Mackenzie ML, Aoki K, Lam FPA, Kvadsheim PH, Huisman J, Tyack PL (2014). The social context of individual foraging behaviour in long-finned pilot whales (*Globicephala melas*). Behaviour 151:1453-1477
- Smultea MA, Bacon CE, Lomac-Macnair, **Visser F**, Bredvik J (2014) Rare mixed-species associations between sperm whales and Risso's and northern right whale dolphins off the Southern California Bight: kleptoparasitism and social parasitism? Northwestern Naturalist 95:43-49
- Anderwald P, Brandecker A, Coleman M, Collins C, Denniston H, Haberlin MD, O'Donovan M, Pinfield R, **Visser F**, Walshe L (2013) Displacement responses of a mysticete, an odontocete, and a phocid seal to construction-related vessel traffic. Endangered Species Research 21: 231-240
- Aoki K, Sakai M, Miller JO, **Visser F**, Sato K (2013) Body contact and synchronous diving in long-finned pilot whales. Behavioural Processes 99: 12-20
- Anderwald P, Haberlin MD, Coleman M, Ó Cadhla O, Englund A, **Visser F**, Cronin M (2012) Seasonal trends and spatial differences in marine mammal occurrence in Broadhaven Bay, north-west Ireland. Journal of the Marine Biology Association of the UK 92:1757-1766, doi: 10.1017/S0025315412001397
- Curé C, Antunes R, Samarra F, Alves A, **Visser F**, Kvadsheim P, Miller PJO (2012) Responses of male sperm whales (*Physeter macrocephalus*) to killer whale sounds: implications for anti-predator strategies. Nature Scientific Reports 3: 1579
- Curé C, Antunes R, Samarra F, Alves A, **Visser F**, Kvadsheim P, Miller PJO (2012) Pilot whales attracted to killer whale sounds: acoustically-mediated interspecific interactions in cetaceans PLoS ONE 7(12): e52201. doi:10.1371/journal.pone.0052201
- Miller PJO, Kvadsheim PH, Lam FPA, Wensveen PJ, Antunes RN, Alves AC, **Visser F**, Kleivane L, Tyack PL, Doksæter-Sivle L (2012) The severity of behavioral changes observed during experimental

- exposures of killer (*Orcinus orca*), long-finned pilot (*Globicephala melas*), and sperm (*Physeter macrocephalus*) whales to Naval Sonar. *Aquatic Mammals* 38:362-401
- Miller P, Antunes R, Alves A, Wensveen P, Kvadsheim P, Kleivane L, Nordlund N, Lam FP, van IJsselmuide S, **Visser F**, Tyack P (2011). The 3S experiments: studying the behavioural effects of naval sonar on killer whales (*Orcinus orca*), sperm whales (*Physeter macrocephalus*), and long-finned pilot whales (*Globicephala melas*) in Norwegian waters. Scottish Oceans Institute Technical Report, SOI-2011-001
- Oudejans MG, **Visser F** (2011) First confirmed record of a living sei whale *Balaenoptera borealis* in Irish waters. *Irish Naturalist Journal* 31:46-48
- Visser F**, Hartman KL, Valavanis, Pierce GJ and Huisman J (2011) Timing of migratory baleen whales at the Azores in relation to the North Atlantic spring bloom. *Marine Ecology Progress Series* 440:267-279
- Visser F**, Hartman KL, Rood EJJ, Hendriks AJE, Zult DB, Wolff WJ, Huisman J, Pierce GJ (2011) Risso's dolphins alter daily resting pattern in response to whale watching at the Azores. *Marine Mammal Science* 27:366-381, doi: 10.1111/j.1748-7692.2010.00398
- Hartman KL, **Visser F**, Hendriks AJE (2008) Social structure of Risso's dolphin (*Grampus griseus*) at the Azores: A stratified community based on highly associated social units. *Canadian Journal of Zoology* 86(4): 294-306
- Visser F**, Gerringa LJA, Van der Gaast SJ, de Baar HWJ, Timmermans KRT (2003) The role of the reactivity and content of iron of aerosol dust on the growth rates of two Antarctic diatom species. *Journal of Phycology* 39: 1084-1094