

University of Groningen

Bottom-up and top-down forces in a tropical intertidal ecosystem

de Fouw, Jimmy

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:
2016

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

de Fouw, J. (2016). *Bottom-up and top-down forces in a tropical intertidal ecosystem: The interplay between seagrasses, bivalves and birds*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

List of Publications

de Fouw, J., T. van der Heide, J. Van Belzen, L. L. Govers, M. A. S. Cheikh, H. Olf, and J. A. van Gils. (*submitted*) Mutualistic feedback enhances the stability of tropical intertidal seagrass beds.

de Fouw, J., A. W. Thorpe, R. A. Bom, C. J. Camphuysen, B. Etheridge, L. Hofstee, T. Jager, R. Kleefstra, M. Kersten, Ali al Kiyumi and R. H. G. Klaassen. (*submitted*) Barr al Hikman, a major shorebird hotspot within the East African flyway; results of two winter surveys (2008, 2013).

de Fouw, J., L. L. Govers, J. Van Belzen, J. van de Koppel, W. Dorigo, M. J. A. Christianen, K. J. van der Reijden, M. van der Geest, T. Piersma, A. J. P. Smolders, H. Olf, L. P. M. Lamers, J. A. van Gils, and T. van der Heide 2016. Drought and mutualism breakdown drive landscape-scale degradation of seagrass beds. *Current Biology* (*in press*).

de Fouw, J., T. van der Heide, T. Oudman, L. R. M. Maas, T. Piersma, and J. A. van Gils. 2016. Structurally complex seagrass obstructs the sixth sense of a specialized avian molluscivore. *Animal Behaviour* (*in press*).

de Fouw, J., R. A. Bom, R. H.G. Klaassen, G. J. D. M. Müskens, P. P. de Vries, Y. I. Kokorev, B. S. Ebbinge and B. A. Nolet. 2016. Breeding in a den of thieves: pros and cons of nesting close to egg predators. *Ecosphere* (*in press*)

van Gils, J. A., S. Lisovski, W. Meissner, T. Lok, A. Ożarowska, **J. de Fouw**, M. Y. Soloviev, T. Piersma and M. Klaassen. Long-distance migrant pays the bill for Arctic warming while wintering in the tropics. *Science* (*prov. accepted*).

Prop, J., J. Aars, B. J. Bårdsen, S. A. Hanssen, C. Bech, S. Bourgeon, **J. de Fouw**, G. W. Gabrielsen, J. Lang, E. Noreen, T. Oudman, B. Sittler, L. Stempniewicz, I. M. Tombre, E. Wolters, and B. Moe. 2015. Climate change and the increasing impact of polar bears on bird populations. *Frontiers in Ecology and Evolution* **3**.

Oudman, T., J. Onrust, **J. de Fouw**, B. Spaans, T. Piersma, and J. A. van Gils. 2014. Digestive capacity and toxicity cause mixed diets in red knots that maximize energy intake rate. *The American Naturalist* **183**:650-659

Van Roomen, M., T. Langendoen, H. Amini, **J. de Fouw**, T. Mundkur, A. Thorpe, and B. J. Ens. 2014. Population estimate of *Haematopus ostralegus longipes* based on non-breeding numbers in January. *Wader study group bulletin* **20**:41–46.

van Gils, J. A., M. van der Geest, J. Leyrer, T. Oudman, T. Lok, J. Onrust, **J. de Fouw**, T. van der Heide, P. J. van den Hout, B. Spaans, A. Dekinga, M. Brugge, and T. Piersma. 2013. Toxin constraint explains diet choice, survival and population dynamics in a molluscivore shorebird. *Proceedings of the Royal Society B-Biological Sciences* **280**: 20130861.

Kharitonov, S. P., B. S. Ebbinge & **J. de Fouw** 2013. Brent goose colonies near snowy owls: Inter-nest distances in relation to breeding arctic fox densities. *Biology Bulletin*. **40**, 1,45–51

van der Heide, T., L. L. Govers, **J. de Fouw**, H. Olf, M. van der Geest, M. M. van Katwijk, T. Piersma, J. van de Koppel, B. R. Silliman, A. J. P. Smolders, and J. A. van Gils. 2012. A three-stage symbiosis forms the foundation of seagrass ecosystems. *Science* **336**: 1432–1434.

van Gils, J. A., M. van der Geest, E. J. Jansen, L. L. Govers, **J. de Fouw**, and T. Piersma. 2012. Trophic cascade induced by molluscivore predator alters pore-water biogeochemistry via competitive release of prey. *Ecology* **93**:1143–1152.

Klaassen, R. H.G., B. A. Nolet, and **J. de Fouw**. 2006. Intake rate at differently scaled heterogeneous food distributions explained by the ability of tactile-foraging mallard to concentrate foraging effort within profitable areas. *Oikos* **112**:322–331.

