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

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List of Publications

de Fouw, J., T. van der Heide, J. Van Belzen, L. L. Govers, M. A. S. Cheikh, H. Oloff, 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. Oloff, 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*).

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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.

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