

Accepted Manuscript

How ecosystems recover from pulse perturbations: A theory of short- to long-term responses

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PII: S0022-5193(17)30458-7
DOI: [10.1016/j.jtbi.2017.10.003](https://doi.org/10.1016/j.jtbi.2017.10.003)
Reference: YJTBI 9227



To appear in: *Journal of Theoretical Biology*

Received date: 2 March 2017
Revised date: 21 September 2017
Accepted date: 4 October 2017

Please cite this article as: J.-F. Arnoldi, A. Bideault, M. Loreau, B. Haegeman, How ecosystems recover from pulse perturbations: A theory of short- to long-term responses, *Journal of Theoretical Biology* (2017), doi: [10.1016/j.jtbi.2017.10.003](https://doi.org/10.1016/j.jtbi.2017.10.003)

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Highlights

- We present theory for the recovery of ecosystems after pulse perturbations.
- Our theory covers not only the long-term but also the short-term regime.
- The short-term response strongly depends on features of the perturbations.
- Relevant predictions are obtained by averaging over the set of perturbations.
- The long-term response is often dominated by rare species.

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