## Supplementary material

Table S1: Number of papers about temporal lag in ecological responses to landscape change published per journal between January 2009 and August 2017.

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| --- | --- |
| **Journal** | **# of papers** |
| Biological Conservation | 10 |
| Landscape Ecology | 6 |
| Ecography | 5 |
| Diversity And Distributions; Journal Of Applied Ecology; Journal Of Vegetation Science; Oecologia; Plant Ecology; Plos One | 4 |
| Agriculture Ecosystems & Environment; Biodiversity And Conservation; Ecology And Evolution; Ecology Letters; | 3 |
| Biological Invasions; Forest Ecology And Management; Insect Conservation And Diversity; Journal Of Ecology; Landscape And Urban Planning; PeerJ; PNAS | 2 |
| Ambio; American Journal Of Botany; Animal Biology; Animal Conservation; Applied Vegetation Science; Biota Neotropica; Bmc Ecology; Conservation Biology; Current Biology; Ecological Applications; Ecological Indicators; Ecological Management & Restoration; Ecology; Ecoscience; Emu; Folia Geobotanica; Global Environmental Change; Journal Of Biogeography; Journal Of Mammalogy; Natureza & Conservação; Oikos; Pedobiologia; Restoration Ecology; Science; Scientific Reports | 1 |

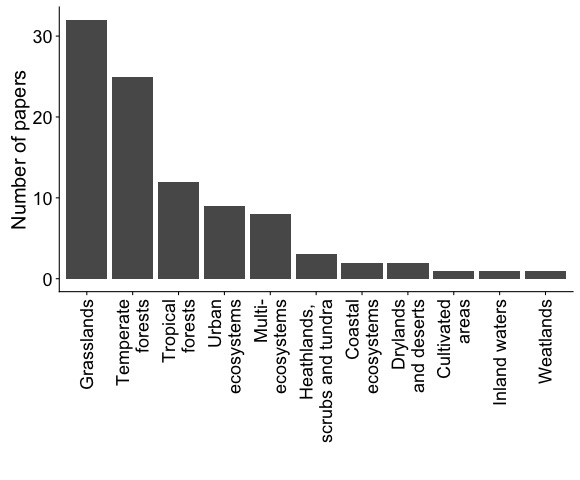


Figure S1: Number of papers published between January 2009 and August 2017 about temporal lag in ecological responses to landscape change at different ecosystems.

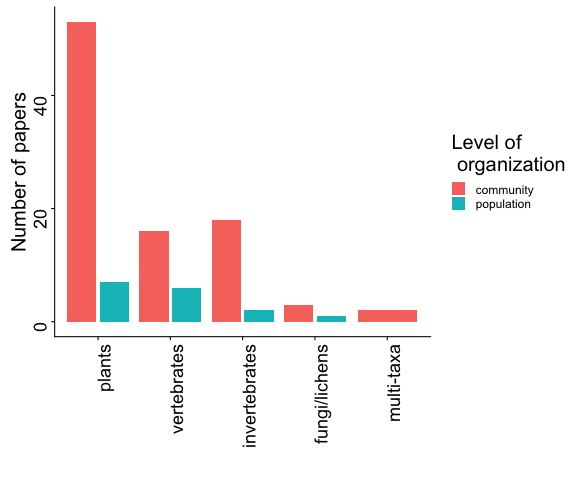


Figure S2: Number of papers about temporal lag in ecological responses to landscape change published between January 2009 and August 2017 using data of different taxa and level of organization.