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„Biodiversity, global change and ecosystem services“

Abstract

Global change, comprising habitat loss and fragmentation, land use intensification, climate change and species invasions, threatens biodiversity and the maintenance of ecosystem services. Focusing on pollination and biological pest control as important ecosystem services I will explore the relative importance of individual drivers and their combined effects on functional diversity, relevant spatial and temporal scales, the dependence of responses on life history traits and the importance of species-richness for the resilience and stability of ecosystem services. I will also address the potential economic and societal consequences of disrupted ecosystem services and mitigation options in managed ecosystems.