



## Grassland Restoration

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### Message from the Guest Editor

In many parts of the world, grasslands have been degraded through conversion to row crop agriculture, invasion by exotic species, mining, and urbanization. Grassland restoration seeks to reinstate biological structure and function. The importance of long-term monitoring following restoration has become clear, and observational studies have demonstrated patterns in biological diversity and biogeochemical cycling. However, experiments and modeling are necessary in order to test general ecological theory and make general predictions of restoration outcomes.

Many knowledge gaps remain in grassland restoration. Experimentation in the framework of successional theory and species distribution modeling might improve likelihood of reaching desired plant communities. Grassland restoration studies have largely been focused on primary producers. The role that consumers play in shaping biological communities and ecosystem function requires further study.





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