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Pollen-Based Reconstruction of Holocene Land-Cover

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Deadline for manuscript submissions:
closed (22 April 2024)

Message from the Guest Editors

Land cover is a principal component of the earth system, which influences global and regional climate through biogeophysical and biogeochemical feedback processes. In addition, the application of pollen-based land-cover reconstructions in a regional climate model shows that anthropogenic deforestation has a significant effect on mean temperatures in both summer and winter. As the basis of the terrestrial ecosystem, vegetation is directly linked to landscape-scale biodiversity. Understanding the long-term interactions between climate, vegetation, and human activities is crucial for assessing future biodiversity and climate change and decision making for adaption. Recent advances in palaeoecological research have produced a number of different pollen-based quantitative land-cover reconstruction methods (LRA, MAT, Biome, etc.). Studies from northern Europe show a good correlation between pollen-based estimates and plant diversity, suggesting that palaeo-proxies can successfully be used to assess the dynamics of past vegetation diversity.

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

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