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Application of GIS for Biodiversity Research

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Message from the Guest Editors

Dear Colleagues,

Geographical information systems (GIS) are indispensable tools of spatial analysis. In particular, the study of biodiversity has a strong spatial component. We propose here a Special Volume of *ISPRS—International Journal of Geo-Information* on Application of GIS for Biodiversity Research. GIS, together with spatial statistics, are essential for analysing spatial patterns of biodiversity, from genes to individuals, species and communities. GIS are the best tool to collect, store, manage and map distribution data, basal to any type of spatial analyses. Thus, distribution atlases are now completely performed with GIS, namely by web GIS applications. With atlas data, we can determine species chorotypes and biogeographical areas. Ecological niche modelling (ENMs) is probably the most used analytical spatial tool to analyse the factors driving the species ranges. With ENMs, we can model species richness, range shifts and species dispersions, species invasions, hybrid zones, and help to analyse the phylogeography and systematics of species.



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Special Issue



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Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

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