



International Journal of Geographical Information Science

Second Special Issue on Spatial Ecology

Call for papers

Following the success of the first special issue on spatial ecology (Skidmore et al. 2011, <http://dx.doi.org/10.1080/13658816.2011.554296>), a second special issue has been approved by the Editors and Publisher of the International Journal of GIS. **You are encouraged to submit relevant and high quality manuscripts for this special issue (see details below).**

The special issue will be edited by Shawn Laffan (UNSW), Andy Skidmore (Twente) and Janet Franklin (ASU).

Spatial Ecology is a rapidly developing field, but remains rather diffuse across a wide range of international journals, including disciplines devoted to the spatial sciences, as well as ecology, forestry, agriculture, environmental management, geography, global change, etc.

As with the first special issue, we are seeking the submission of papers from ecological and related environmental studies, as well as more technical articles including topics such as spatial data infrastructure relevant to ecological applications. We are especially interested in special and unusual (new) ways of thinking about, and processing, spatial ecological data.

Key words and topics for this special issue include, but are not limited to:

- Spatial scale
- Spatial aspects of habitat use and habitat modeling
- Visualization
- Spatial data infrastructure for ecological (biodiversity) data
- Methods to derive ancillary data required for ecological modelling (e.g. climate, terrain, soils)
- Animal movement, including both spatial and temporal analysis
- Phenology
- Global databases for ecological studies (e.g. biodiversity, NPP, carbon)
- Fragmentation and connectivity

- Biodiversity hotspots and endemism
- Phylogeography
- Spatially explicit studies of ecosystem products and structure (biomass, NPP, etc.)
- Paleo-ecology and reconstructing past environments with respect to climate change
- Terrestrial, marine and atmospheric ecology
- Relevant cross-over papers between GIS and remote sensing will also be highly relevant.

A condition of submission and acceptance will be that papers must pass the normal IJGIS review process. In addition, authors of accepted papers will be asked to link and cross-reference other papers from the special issue, and these links and cross-references will then be subject to a second review by the editor. Articles which do not adequately link and cross-reference with other articles from the Special Issue will be rejected.

The special issue will be about 134 pages in length, with a minimum and maximum length respectively of about 120 and 145 pages. Each paper will be about 10 pages in length.

IJGIS offers free colour pages to all authors.

The deadline for submission of papers is 01 December 2011.

When you wish to submit your special issue paper online to the International Journal of GIS <http://mc.manuscriptcentral.com/ijgis>, please choose 'Special Issue Paper' from the Manuscript Types field.

For more information please contact the special issue editor Dr Shawn Laffan, UNSW, Australia. email: shawn.laffan@unsw.edu.au