Session: Geospatial methods and applications for biodiversity monitoring and conservation

Biodiversity monitoring has been widely used as a means to assess ecosystem functioning across various spatial scales. With the recent advances in the fields of remote sensing, Geographic Information Systems (GIS), and modeling many aspects of biodiversity monitoring and conservation have been studied within a spatially explicit context. Incorporation of new data sources and geospatial tools has made it possible to advance understanding of linkages between various components of landscape and biodiversity.

This session will focus on geospatial methods for biodiversity monitoring and applications for conservation of flora and fauna. Appropriate topics include but are not limited to:

- Remote sensing applications for biodiversity monitoring
- Geospatial systems for information dissemination
- Geospatial analysis and knowledge building on landscape dynamics and biodiversity
- Modeling current and future state of biodiversity at various spatial and temporal scales
- Innovative methods for geospatial data generation and analysis
- Biodiversity risk analysis
- Impacts of observed and projected climate change on biodiversity
- Land-cover and land-use change impacts on biodiversity

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Please contact the organizers if you would like to participate in the session. Send your PIN from the AAG conference website to one of the organizers above after submitting your abstract on the AAG site by October 28, 2009.