



XV INTERNATIONAL CONFERENCE OF THE  
SOCIETY FOR HUMAN ECOLOGY

Local populations and diversity in a changing world

RIO DE JANEIRO, BRAZIL  
October 4-7, 2007 - Hotel Miramar, Copacabana

**Themes**

- Indigenous/Local Knowledge and Sustainability
- Diversity and Management
- Directions in Human Ecology
- Coastal Management
- Population in a Changing Environment
- Food and Environment
- Education for Sustainability



CALL FOR PAPERS for the XV international Conference of the Society for Human  
<http://www.societyforhumanecology.org/SHEXV.html>

### III. DIRECTIONS IN HUMAN ECOLOGY

#### III.6 Integrated Analysis of Local Socioecological Systems: Combining Agent-Based and Stock-Flow Modelling Approaches

Session chairs: Veronika Gaube, Heidi Adensam, Institute of Social Ecology, Vienna; Robin Matthews, Macaulay Institute, Aberdeen

Trajectories of local socioecological systems depend on both socioeconomic and natural drivers. Progress in integrated land-system science, as envisaged in the science plan of the Global Land Project, vitally depends on our ability to understand society-nature interactions. New modelling approaches that combine stock-flow approaches with agent-based modelling methods are currently being explored in many places as a useful tool in such integrated analyses. In particular, such approaches are helpful to integrate results from approaches traditionally used in place-based human-ecological research, e.g. analysis of land use, materials and energy flows, time use, demography, institutions, societal organization, and so forth. Integrated models that can evaluate effects of policy changes on land use, nutrient flows, harvest, farm income, and other relevant features of local land systems are also highly useful in participatory processes that help local stakeholders in the evaluation of future options and policy design. This session will discuss research and conceptual papers that present innovative modelling approaches to further understanding of this emerging field.

DEADLINE FOR ABSTRACTS SUBMISSION: JUNE 30, 2007

ABSTRACTS TO BE SUBMITTED TO: [Veronika.Gaube@uni-klu.ac.at](mailto:Veronika.Gaube@uni-klu.ac.at)

Abstracts should be no longer than 300 words, including Title, Institutional Affiliation, and E-mail address.



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