

Socio-ecological systems in geography

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Human societies, wellbeing of people and good quality of life are inherently dependent on interactions with nature and ecosystems. This interaction can be conceptualized under the socio-ecological systems (SES) framework. A major challenge globally is to facilitate, catalyze and identify opportunities for sustainable socio-ecological systems and support future human wellbeing and environmental integrity. To address this challenge emerging technologies, field of remote sensing and digital geospatial solutions can offer interesting opportunities for identifying the current state and sustainable solutions for these dynamic systems. Production and use of spatially explicit data has expanded thus allowing previously elite owned knowledge to become available to organizations and citizens promoting participatory approaches both in research and practice. This development is supported by the emergence of new devices such as mobile displays and applications allowing mapping and spatial knowledge collection and analysis to and by a wide range of users. Such technologies find fertile ground in both Global North and South. In this session, we gather new perspectives, tools and methods for understanding dynamics of socio-ecological systems through emerging technologies and geospatial solutions. We invite presentations on a wide range of topics that relate, for example, to complex challenges of climate change, landscape management, environmental degradation and rapid urbanization from Global North to South.

Session format: oral, also posters are accepted.