



Forest



Landscape



Society

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New approach to sustainability science

An entire issue of the Swedish Royal Academy of Sciences' journal AMBIO by the research network Forest-Landscape-Society based at SLU-Skinnskatteberg presents an integrated approach to sustainability science towards sustainable landscapes.

The special issue of AMBIO 2013(2) appeared in March 2013 with 12 original articles. After a foreword by researchers and stakeholders, a systematic framework for transdisciplinary research in seven steps is presented. It is based on multiple landscapes as case studies, collaboration among academic and non-academic actors and stakeholders, as well as communication with and dissemination to society at large. The special issue highlights the opportunity of bridging the different schools of landscape research in geography. Next, using the Bergslagen region in south-central Sweden, the role of landscape history is illustrated. Focusing on one large forest management unit in Sweden and one in the Russian Federation, the definition and implementation of sustained yield forestry are analysed. To illustrate the importance of institutions, policies, governance systems and political culture, the extent to which UNESCO's Biosphere Reserve concept is captured in national legislations in Ukraine and Sweden is analysed. In a suite of three articles the opportunities and challenges of deriving measurable variables for ecological, economical, as well as social and cultural sustainability are analysed. A block of two articles then illustrate the need for assessment

of sustainability and sustainable development processes. Finally, together with a group of researchers in different phases of learning the practice of transdisciplinary research, barriers and bridges to integrative knowledge production and collaborative learning for problem-solving are analysed.



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Robert Axelsson, Per Angelstam and Marine Elbakidze edited the special issue of the journal AMBIO about knowledge production and learning for sustainable landscapes.

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Read more:

Angelstam, P. Elbakidze, M., Axelsson, R. (Eds.) 2013. Knowledge production and learning for sustainable landscapes: Europe's West and East as a laboratory. AMBIO 42(2): 113-272. Available open access at <http://link.springer.com/journal/13280/42/2/page/1>