forests

Special Issue

The 24th IUFRO World Congress: Session 118 Providing Ecosystem Services under Climate Change: Community of Practice of Forest Decision Support Systems

Guest Editor:

Dr. Harald Vacik

Institute of Silviculture
University of Natural Resources
and Applied Life Sciences (Austria)
Homepage: www.wabo.boku.ac.at/vacik.html
E-Mail: harald.vacik@boku.ac.at

Deadline for manuscript submissions:

1 November 2014

Special Issue website:
mdpi.com/si/forests/ecosystem_services

Dear Colleague,

The Special Issue in Forests will provide an overview regarding how Decision Support Systems (DSS) are currently designed and applied for the sustained provision of ecosystem services within the context of climate change. The issue will include overviews on models, methods, techniques, and frameworks. With populations and economies growing worldwide, the demands on forest resources increase, and sustaining the supply of ecosystem services becomes crucial. Through growing public participation in decisions regarding the management of natural resources, new demands have emerged for tools that support our understanding of environmental issues, and for the development and evaluation of alternative management options; there is a desire to project the consequences of different courses of action. Decision Support Systems (DSS) have been proven to solve such ill-structured decision problems by integrating database management systems with analytical and operational research models, thus providing various reporting capabilities. Several case studies will focus on ill-structured decision problems, on the development and evaluation of alternative management options, and on projecting the consequences of different courses of action, so as to support our understanding of environmental issues.

Dr. Harald Vacik
Guest Editor

Special Issue Topics:

- decision support systems
- ecosystem services
- climate change
- models
- tools
- case studies

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MDPI AG
Klybeckstrasse 64
4057 Basel
Switzerland

Tel. +41 61 683 77 34
Fax +41 61 302 89 18
E-mail forests@mdpi.com