



forests

Special Issue



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

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Deadline for manuscript submissions:

1 November 2014

Special Issue website:
[mdpi.com/si/forests/
ecosystem_services](http://mdpi.com/si/forests/ecosystem_services)



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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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