Digital Transformation and Management in Forest Operations

Guest Editor:

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Message from the Guest Editor

Digital transformation has brought new possibilities for forest management and daily forest operations. Digital solutions in quality management and enterprise resource planning technology in forest operations have emerged. The use of open forest data as well as harvester-based information, can also provide decision support when planning, for instance, regeneration activities on a logging area. Precision forestry operating models and tools can give an extra boost in cost-efficiency in young stand management as well as in harvesting. In silvicultural service development and customer relations management, open forest data and service platforms offer possibilities for new operational concepts with new value-added products. This also makes it possible to resource activities with novel sub-contracting networks or new tools and automatization.

We encourage studies including experimental studies, monitoring approaches, and operational models or concepts, to contribute to this Special Issue to promote knowledge and information on how to utilize knowledge-intensive approaches and digital transformation in cost-efficient and sustainable forest management and forest operations.

Special Issue

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