



IFM

Institute of Forest Management



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Fields of Research

- Forest inventory advancements
- Forest management planning
- Land use optimization
- Remote sensing applications
- Risk assessments
- Sustainable management techniques

Some of our Projects

- ALOS: Prism evaluations in forestry
- Development of a consulting instrument for private forest owners
- Data-normalisation for alpine surfaces
- Bioeconomic modeling
- ENFORCHANGE: Environment and forests under changing conditions
- Species mixture in Chile
- Management of Norway spruce
- Product diversification in forestry
- *Remote sensing*: Field spectroscopy/ goniometry; Forest inventory; Risk management; Small structured landscape
- *Sustainability*: In forestry; Land use in Ecuador; Sustainability concept for the Bavarian State Forests

Some of our Project Partners



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FORSTVERWALTUNG

Deutsche
Forschungsgemeinschaft

DFG

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**Prof. Dr. Thomas Knoke**

is the director of the Institute of Forest Management. His study of Forest Science at the Ludwig-Maximilians University in Munich involved working in Switzerland and South Africa. After working for the Bavarian Forest Service he received his Ph.D. in forest management of uneven-aged forests. He obtained his postdoctoral lecture qualification with a study on economic and silvicultural aspects of European beech management. His research focuses on sustainable land use, silvicultural economics and uncertainty and led him to Ecuador and Chile.

**Dr. Thomas Schneider**

is senior scientist and lecturer at the School of Forest Science and Sustainable Resource Management. He is leading the IFM geoinformatics working group. He graduated in geology/ paleontology and achieved his Ph.D. in Forest Science at the Ludwig-Maximilians University, Munich. His research interests are field spectroscopy and field goniometry up to BRDF approximation and physical model inversions, as well as in object oriented image analysis with special focus of application oriented, local scale solutions.

**Andreas Hahn**

studied Forest Science at TUM. During his studies he completed internships in Chile and USA, concluding with a diploma thesis at Faber-Castell's plantations for pencil production in Brazil. After graduating in 2002 he worked for the Bavarian State Forest Service. Since December 2005, as a deputed member of the Bavarian Forest Administration, he is scientific assistant at the IFM. He focuses on species mixtures and sustainability aspects.

**Petra Zeller**

is working as a secretary for the Institute of Forest Management since 2006. Previously, she worked for the Chair of Landuse Planning.

**Dr. Bernhard Felbermeier**

is scientist and lecturer at the School of Forest Science and Sustainable Resources Management. He graduated in Forest Science and received his PhD in Forest Science at the Ludwig-Maximilians University, Munich. His research focuses on silviculture, forest management and the development of decision support systems in forestry.

**Bernhard Beinhofer**

studied Forest Science at the TUM and graduated in 2006. Afterwards he joined the institute as a research associate and Ph.D. student. He is currently working on optimizing the product-mix in forestry consisting of different timber assortments for European Beech, Common Oak, Norway Spruce and Scots Pine.

**Patrick Hildebrandt**

studied Forest Science at TUM and graduated in 2005. Afterwards he worked for the Bavarian Forest Administration. He joined the institute as a Ph.D. student and research associate in 2006. He is currently working on biodiversity conservation, diversity, economy and risk modeling (portfolio selection, stochastic dominance, information-gap decision theory etc.)

**Baltazar Calvas**

is a qualified forest engineer. He studied at the National University of Loja (Ecuador) and graduated in 2005. Before joining our team he was working on conservation activities with Nature & Culture international in Ecuador. Currently he is doing his doctorate about sustainable land use in a mountain rainforest in Ecuador.

**Christian Clasen**

joined our team in 2008 as a research associate and Ph.D. student focusing on the financial analysis of browsing damages with a special focus on the demixing of stands. Christian holds an MSc in Forest Science from Technische Universität Dresden, earned a degree of Forest Assessor and worked as a researcher for the Thuringian State Forest Service.

**Verena Mostert**

studied Forest Science at the TUM and graduated in 2008. Afterwards she joined the institute as a research associate and Ph.D. student. She is currently taking part in a project by the German Research Foundation (DFG). Her research interests are: bioeconomic modeling, biophysical description, quantification and modeling of interdependence for selected tree species and mixtures.

**Jörg Röbiger**

studied Forest Science at the TU Dresden and graduated in 2008. In 2009 he joined the IFM as a research associate and Ph.D. student. He is currently taking part in a project by the German Research Foundation (DFG). His research interests are: Economic optimisation under uncertainty, financial evaluation of biophysical data for selected tree species and mixtures, Simulation of financial risks within a Monte-Carlo-Simulation (MCS) framework.