




Program

Conference Venues

KDH: Kardinal – Döpfner Haus, Domberg 27, 85354 Freising

TUM: School of Forest Science & Resource Management, Technische Universität München, Hans-Carl-von-Carlowitz-Platz 2, 85354 Freising

Room finder color code
Aula (KDH) – Session 1
Roter Saal (KDH) – Session 2
Korbiniansaal (KDH) – Session 3
Lecture Hall 21 (TUM)
Lecture Hall 22 (TUM)
 Keynotes are indicated in bold
Field trip
Other rooms (KDH & TUM)


<i>Begins</i>	<i>Ends</i>	<i>duration.</i>	Welcoming ceremony (Aula)	
9:00	9:05	00:05	Prof. Dr. Thomas Knoke (on behalf of organizing team)	
9:05	9:20	00:15	Vice-President Prof. Regine Keller (TUM)	
9:20	9:35	00:15	Dean of Center of Life and Food Sciences (TUM)	
9:35	9:45	00:10	Welcome by KDH	
9:45	10:00	00:15	Welcome by Reinhard Neft, Bayerische Staatsforsten	
10:00	10:15	00:15	Welcome by Franz Brosinger, Bayerische Forstverwaltung	
10:15	10:35	00:20	Coffee break (Aula)	
10:35	11:05	00:30	Opening Statement + Keynote: Thomas Knoke (TUM)	Shades of forest change
11:05	11:10	00:05	<i>Please find your room for the parallel sessions starting at 11:10am</i>	

Session 1 (Aula): Biophysical + natural drivers of forest change				
<i>Chair: R.M. Roman Cuesta</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
11:10	11:25	00:15	Ram Kumar Adhikari	Financial compensation for biodiversity conservation in Ba Be National Park, Northern Vietnam
11:25	11:40	00:15	Matthias Albert	Impact of three contrasting management scenarios under climate change in Northern Germany
11:40	11:55	00:15	Andreas Bolte	Climate change induced forest succession – the role of disturbances
11:55	12:10	00:15	Fabio Pastorella	Seedlings and saplings biomass allocation in beech (<i>Fagus sylvatica</i> L.) and Norway spruce (<i>Picea abies</i> (L.) Karst.) in the Alpine forests

Session 2 (Roter Saal): Anthropogenic drivers of forest change				
<i>Chair: D. Teketay</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
11:10	11:25	00:15	David Ellison	LULUCF-REDD+ Convergence Potential in the International Climate Policy Framework
11:25	11:40	00:15	Wilfried Hakes	Changes in herb layer composition in lowland beech forests of Lower Saxony (Germany) - driven by natural or anthropogenic interferences?
11:40	11:55	00:15	Tuula Kantola	Mapping Temporal Pattern of Hemlock Mortality by Hemlock Woolly Adelgid Infestations in the Southern Appalachians
11:55	12:10	00:15	Katerina Novosadová	Biomass changes of European beech grown in different mixture under elevated [CO ₂]

Session 3 (Korbiniansaal): Remote sensing based survey techniques to detect forest change <i>Chair T. Schneider</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
11:10	11:25	00:15	Sahra Abdullahi	A priori change assessment of inventory points by means of Remote Sensing – a cost effective option for interim inventories
11:25	11:40	00:15	David Hladnik	Detecting Landscape and Cultural Patterns and Processes to Predict Forest Change in Fine-grained Landscapes
11:40	11:55	00:15	Thomas Schneider	Tracing structural changes of a complex forest by a multiple systems approach
11:55	12:10	00:15	Piotr Wezyk	Assessment of Forest Stand Conditions in Gorce National Park (South Poland) using an Object Based Image Analysis Approach of CIR Aerial Orthophotos and nDSMs derived from Stereomatching


12:15	13:45	01:30	Lunch (dining hall)	
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 13:45	14:15	00:30	Joseph Buongiorno (Wisconsin)	Global modeling to predict timber production and prices: The GFPM approach
14:15	14:25	00:10	<i>Please find your room for the parallel sessions starting at 14:25h</i>	

Session 1 (Aula): Biophysical + natural drivers of forest change <i>Chair: R.M. Roman Cuesta</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
14 :25	14 :40	00:15	Andreas Bolte	Is Close-to-Nature Silviculture (CNS) an adequate concept for adapting forests to climate change
14:40	14:55	00:15	Nina Kulakova	Determination of stock carbohydrates in trees tissues and organs at estimating the conditions of forest-steppe oak stands of the European Russia
14:55	15:10	00:15	Elena Parfenova	Potential habitat for forest types and trees across Russia in a changing climate in the 21st century
15:10	15:25	00:15	Irene Fernandez	Potential quality of organic inputs for soil carbon sequestration in forest and grassland habitats

Session 2 (Korbiniansaal): Anthropogenic drivers of forest change <i>Chair: D. Teketay</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
14:25	14:40	00:15	Sandro Sacchelli	Climate change impact on forest sector and uncertainty analysis: a subjective probabilistic logic application for an Italian case study
14:40	14:55	00:15	Jörg Rößiger	Variability in tree growth leads to a diversification of optimal target diameter distribution in forest stands
14:55	15:10	00:15	Damir Ugarković	Change of microclimate conditions in beech-fir forests as a result of intensive tree dieback
15:10	15:25	00:15	Jonathan Onyekwelu	Ecosystem services and yield of tropical rainforest of southwest Nigeria as affected by anthropogenic activities

15:25	16:00	00:35	Coffee and Cake (Aula)	
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	16:00	16:30	00:30	Ben Phalan (Cambridge)	Agricultural intensification: perils and possibilities for forest conservation
	16:30	16:40	00:10	<i>Please find your room for the parallel sessions starting at 16:40h</i>	

Session 1 (Aula): Ecosystem and environmental services <i>Chair: Y. Wiersma</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
16:40	16:55	00:15	Ferenc Horváth	Terrestrial biogeochemical model simulator web tool for deriving quantitative ecosystem service indicators
16:55	17:10	00:15	Elisabeth Kindler	Forest ecosystem services and forest functions: same idea – different time?
17:10	17:25	00:15	Keryn Paul	Forests store carbon. But how can we be sure about this?
17:25	17:40	00:15	Gabriele Wolfslehner	Wood decay of beech (<i>Fagus sylvatica</i> L.) and oak (<i>Quercus petraea</i> Liebl.) in experimental plots under different light regimes
17:40	17:55	00:15	Ping-Lian Wu	Calculation of potential resource quantities for competing timber uses in Bavaria - An application of the Onion Model

Session 2 (Korbiniansaal): Remote sensing based survey techniques to detect forest change <i>Chair P. Wezyk</i>				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
16:40	16:55	00:15	Peter Biber	Forest Related Research in the Helmholtz Alliance "Remote Sensing and Earth System Dynamics"
16:55	17:10	00:15	John Devaney	Deforestation in Ireland 2000 – 2012; an assessment of existing and potential estimation techniques
17:10	17:25	00:15	Christian Hüttich	Multi-sensor earth observation of forest distribution and forest cover change in Siberia
17:25	17:40	00:15	Antje Thiele	Potential of TanDEM Data for Forest Change Detection
17:40	17:55	00:15	Sebastian Schnell	The Contribution of Trees outside of Forests to National Tree Biomass and Carbon Stocks – a Comparative Study across three Continents

18:00	19:00	01:00	Dinner (dining hall)	
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Poster Presentations (Lobby)				
19:00	21:00	02:00	4 min per poster (presentation & discussion)	

"Fireside Chats" („Klausur“ in the cellar)				
21:00	open end	Informal talks with focus on questions which have been reasoned from the sessions		

7:30	8:15	00:45	Breakfast (dining hall)
8:15			Meeting point: Entrance of KDH
8:15	8:45	00:30	Walk to TUM School of Forest Science and Resource Management

Lecture Hall (LH) 21



9:00	9:30	00:30	Timothy G. Gregoire (Yale)	<i>Methodological progress in LiDAR biomass estimation</i>
9:30	9:40	00:10	<i>Splitting up in different rooms for 2 parallel Sessions</i>	

Session 1 (LH21): Terrestrial survey methods
Chair M. Köhl

<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
9:40	9:55	00:15	Daniel Mandallaz	A three-phase sampling extension of the generalized regression estimator with partially exhaustive information
9:55	10:10	00:15	Konstantin Olschofsky	Integration of land use information from terrestrial and remote sensing inventories
10:10	10:25	00:15	Hans Petersson	Matching and tracing terrestrial variables to land use and land-use change using periodic sample based field surveys
10:25	10:40	00:15	Daniel Plugge	Estimating emissions from forest degradation: implications of uncertainties and area sizes for a REDD+ MRV system

Session 2 (LH 22): Remote sensing based survey techniques to detect forest change
Chair: P. Wezyk

<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
9:40	9:55	00:15	Jan Dempewolf	National-Scale Assessment of Humid Tropical Forest Loss in Peru From Landsat Data
9:55	10:10	00:15	Christoph Fischer	The challenge of forest cover mapping using the FAO forest definition in complex dry landscapes, a case study from Burkina Faso using RapidEye and MODIS imagery
10:10	10:25	00:15	Peter Strobl	Monitoring vegetation cover from year 1990 to 2010 in the Cerrado and Caatinga seasonal biomes of Brazil using a sample of sites assessed with remote sensing imagery
10:25	10:40	00:15	Mengistie Kindu	Assessment of Drivers behind Loss of Forests in Munessa-Shashemene Landscape of the Ethiopian Highlands

10:40	11:10	00:30	Coffee break (hall)
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Session 1 (LH21): Resource Management Systems & Concepts Chair J. Buongiorno				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
11:10	11:25	00:15	Guillaume Beaudoin	Participatory MRV: Addressing Socio-ecological Context and Scale
11:25	11:40	00:15	Karlo Beljan	Stand structure projections of Dinaric beech-fir forests in Croatia by different annual cut management models
11:40	11:55	00:15	Wolfgang Falk	A digital management system for adaptation of forest stands to climate change in Bavaria
11:55	12:10	00:15	Michael Victor Galante	Examining the Carbon Balance of Reduced-Impact Logging in the Deramakot Forest Reserve: A Chronosequence Approach

Session 2 (LH22): Remote sensing based survey techniques to detect forest change Chair T. Schneider				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Presented by</i>	<i>Topic</i>
11:10	11:25	00:15	Markus Holopainen	4D Precision Forestry
11:25	11:40	00:15	Ninni Saarinen	Urban tree attribute update using multisource single tree inventory
11:40	11:55	00:15	Jari Vauhkonen	Deriving computational canopy volume from airborne laser scanning data for forest biomass and allometry studies
11:55	12:10	00:15	Peter Navratil	Aboveground biomass modelling in tropical lowland dipterocarp forests in Kalimantan (Indonesia) using small-footprint airborne LiDAR data

12:30	13:30	01:00	Lunch (hall)	
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Field trip to the Munich Municipal Forest				
<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Topic</i>	
13:30	15:15	01:45	Bus transfer to Munich Municipal Forest	
15:15	18:15	03:00	Munich Municipal Forest	
			Topic: <i>Forest management for drinking water quality, timber and biodiversity</i>	
			Guide: Jan Linder	
18:15	19:15	01:00	Bus transfer to Munich	

19:15	22:00 – 23:00	Conference Dinner at "Weisses Brauhaus München" (www.weisses-brauhaus.de), then transfer to Freising		
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7:30	8:15	00:45	Breakfast (dining hall)
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Aula



8:30	9:00	00:30	Sven Wunder (CIFOR)	<i>Can payments for environmental services help controlling forest change?</i>
9:00	9:10	00:10	<i>Please find your room for the parallel sessions</i>	

Session 1 (Aula): Resource Management Systems & Concepts
Chair: T. Knoke

<i>Begins</i>	<i>Ends</i>	<i>duration</i>	<i>Topic</i>	<i>Begins</i>
9:10	9:25	00:15	Molly Roske	Forest Fragmentation and Riparian Ecosystem Health in the Dry Tropics of Panama
9:25	9:40	00:15	Stefan Seifert	The Green Landscapes concept: A spatial decision support tool to optimise land-use portfolios for ecosystem service provision in a changing climate
9:40	9:55	00:15	Arbi J. Sarkissian	Incentivizing reforestation with native species in Lebanon: Measuring conservationists' preferences and landowner willingness to accept reforestation payments
9:55	10:10	00:15	Yolanda Wiersma	Evolving Management Paradigms for Forestry in Canada: Climate and other drivers


Session 2 (Roter Saal): Remote sensing based survey techniques to detect forest change
Chair: T. Schneider

9:10	9:25	00:15	Jan-Peter Mund	Quantifying forest cover changes in Vietnam using long term time series analysis
9:25	9:40	00:15	Philip Mundhenk	Visualizing uncertainties associated to LAI maps derived from RapidEye satellite imagery
9:40	9:55	00:15	Adelheid Wallner	Estimation of forest structural parameter volume using RapidEye satellite data
9:55	10:10	00:15	Serge Rafanoharana	Characterizing Deforestation and Forest Degradation in the Tropical Rainforest of Kalimantan, Indonesia

Session 3 (Korbiniansaal): Resource Management Systems & Concepts

9:10	9:25	00:15	Karl H. Mellert	Risks of beech cultivation facing climate warming: How close are European beech stands to the rear edge?
9:25	9:40	00:15	Burkhard Müller-Using	A multifunctional forest management concept for <i>Nothofagus</i> secondary forests in south-central Chile
9:40	9:55	00:15	Maria-Rosa Paiva	Are invasive alien species changing forestry? Impacts on plantations in Portugal
9:55	10:10	00:15	Justyna Pietras	The influence of simulated thinning on Norway spruce stand transpiration

10:10	10:30	00:20	Coffee break (Aula)	
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Aula				
	10:30	11:00	00:30	Carola Paul (TUM) <i>How can trees and forests contribute to food security?</i>
	11:00	11:10	00:10	<i>Splitting up in different rooms for 3 parallel Sessions</i>

Session 1 (Aula): Resource Management Systems & Concepts <i>Chair: T. Knoke</i>				
	11:10	11:25	00:15	Yana Istomina Long-term changes of thinned forest stands of <i>Quercus robur</i> L. in southern forest steppe of European Russia
	11:25	11:40	00:15	Roland Koeck Specific requirements for forests in drinking source water protected areas: the example of Vienna
	11:40	11:55	00:15	Bernhard Kenter Regional differences of climate change mitigation potentials of managed and untouched forests of Germany
	11:55	12:10	00:15	Tirhas Mebrathu Local Forest Management Institutions and Their Role in Conserving Woody Species Biodiversity: A Case Study in Tigray, Northern Ethiopia.

Session 2 (Roter Saal): Remote sensing based survey techniques to detect forest change <i>Chair: T. Schneider</i>				
	11:10	11:25	00:15	Christoph Stepper Modeling forest height growth by means of digital aerial photogrammetry
	11:25	11:40	00:15	Nataliia Rehus Assessing canopy gap dynamics of beech forests in the Ukrainian Carpathians using WorldView-2 data
	11:40	11:55	00:15	Yasumichi Yone Change detection in forest management and forest stand volume by digital photogrammetry using time series aerial photographs: Verification of stand height and building stand volume equations
	11:55	12:10	00:15	Katarzyna Zielewska Monitoring of gap development in forest stands using digital aerial images

Session 3 (Korbiniansaal): Resource Management Systems & Concepts
Chair: A. Hahn

11:10	11:25	00:15	Gabriele Wolfslehner	Height competition between regeneration of beech (<i>Fagus sylvatica</i> L.) and sessile oak (<i>Quercus petraea</i> Liebl.) and sycamore maple (<i>Acer pseudoplatanus</i> L.) under different light regimes
11:25	11:40	00:15	Peter Strobl	Morphological analysis of state and trends of landscape pattern
11:40	11:55	00:15	Limin Dai	Progress and challenges in forest management in the broadleaved-Korean pine mixed forests of Northeast China
11:55	12:10	00:15	Ivica Tikvić	The pedunculate oak tree vitality in lowland forest ecosystems in Croatia

12:15	13:30	01:15	Lunch (dining hall)	
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Panel Discussion (Korbiniansaal)

13:30	15:00	01:30	With focus on session conclusions, conflicts of aims and implementation issues, input by Chairmen from their sessions	
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15:00			Closing ceremony // Coffee and Cake (Korbiniansaal)	
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