

Chair: Heiko Faust

16.30–17.30 Vijesh Krishna, Michael Euler, Zakky Fathoni, Marcel Gatto, Martin Qaim, Hermanto Siregar, Stefan Schwarze, Meike Wollni

"Socioeconomic drivers and impacts of land-use change and oil palm expansion"

Stefanie Steinebach, Soeryo Adiwibowo, Barbara Beckert, Christoph Dittrich, Heiko Faust, Brigitta Hauser-Schäublin, Jonas Hein, Yvonne Kunz, Rina Mardiana, Rosyani, Endriatmo Soetarto

"Changing societies, transforming landscapes"

Tom Kopp, Bernhard Brümmer, Napitupulu Dompak, Stefan Moser, Oliver Mußhoff, Patricia Raja Sharah, Yusman Syaukat, Alamsyah Zulkifli

"From farmer to factory: decisions along palm oil and rubber value chains"

Soeryo Adiwibowo

"Land transfer, social vulnerability, conservation and economic development in Jambi"

17.30 Closing – Stefan Scheu, Kerstin Wiegand, Martin Qaim

International Symposium – Final Workshop CRC 990

Ecological and socioeconomic functions of tropical lowland rainforest transformation systems (Sumatra, Indonesia)

23–24 March, 2015 ZHG / Hörsaal 105



PROGRAM

Monday, March 23

Welcome Address

9.15–9.20 Prof. Reiner Finkeldey, Vice President University of Göttingen

9.20–9.30 Prof. Stefan Scheu, Speaker CRC 990

Opening **Chair: Stefan Scheu**

9.30–10.15 Brian Moss, University of Liverpool

"Tropical forests, water, conservation and climate change: all things are connected"

10.15–10.40 Yann Clough, Lund University

"Land-use choices and impacts on ecosystem processes and services in smallholder landscapes of Sumatra, Indonesia"

10.40–11.10 **Coffee break**

Environmental Processes **Chair: Edzo Veldkamp**

11.10–11.30 Alexander Knohl & Siria Biagioni, University of Göttingen

"Effects of tropical land transformation on biogeochemical processes"

11.30–12.30 Alexander Röhl, Ana Meijide, Afik Hardanto, Dirk Hölscher, Tania June, Alexander Knohl, Niu Furong

"Water Cycle"

Thomas Guillaume, Ana Meijide, Marife Corre, Muhammad Damris, Alexander Knohl, Yakov Kuzyakov, Evelyn Hassler, Edzo Veldkamp

"Carbon Cycle"

Kara Allen & Syahrul Kurniawan, Hermann Behling, Siria Biagioni, Marife Corre, Amanda Matson, Aiyen Tjoa, Edzo Veldkamp

"Nitrogen Cycle"

Tania June, Dodo Gunawan, Abdul Rauf, Ana Meijide, Alexander Knohl

"Implication of forest transformation to oil palm on surface biophysical parameters and climate"



Georg-August-Universität Göttingen



Institut Pertanian Bogor



Universitas Jambi



Universitas Tadulako Palu

DFG Deutsche
Forschungsgemeinschaft

12.30–13.30 **Lunch**

13.30–14.30 Poster presentations

Ecosystem Services *Chair: Alexander Knohl*

14.30–15.15 Jaboury Ghazoul, ETH Zürich (Key note)

"The insecurity of ecosystem services"

15.15–15.40 Stefan Schwarze, University of Göttingen

"Quantifying the effects of spatial and temporal variability on ecological and socioeconomic functions"

15.40–16.10 Kerstin Wiegand, Claudia Dislich, Elisabeth Hettig, Johannes Heinonen, Jann Lay, Katrin Meyer, Fuad Nurdiansyah, Ernani Rustiadi, Sunarti, Surya Tarigan, Alinda Zain *"Landscape-level assessment of ecological and socio-economic functions of rainforest transformation systems in Sumatra (Indonesia) – an agent-based model of land-use change"*

Surya Tarigan *"Quantifying empirical relation between land use types and ecosystem services of water flow regulation in tropical rainforest transformation system, Jambi Province, Indonesia"*

16.10–16.40 **Coffee break****Biodiversity** *Chair: Teja Tscharntke*

16.40–17.55 Andrew Barnes, Ulrich Brose, Achmad Farajallah, Noor Farikhah Haneda, Malte Jochum, Bernhard Klarner, Valentyna Krashevskaya, Stefan Scheu, Tri Heru Widarto, Rahayu Widyastuti

"Responses of soil fauna to land-use change in Sumatra, Indonesia"

Nicole Brinkmann, Henry Barus, Sri Wilarto Budi, Rolf Daniel, Anja Meryandini, Nisa Mubarik, Edy Nur, Andrea Polle, Iman Rusmana, Josephine Sahner, Dominik Schneider, Upik Ylanti

"Soil microbes along a land use gradient"

Natalie Breidenbach & Elvira Hörandl, Fuad Ulum Bahrud, Reiner Finkeldey, Hamzah, Ladislav Hodac, Diego Hojsgaard, Bambang Irawan, Nicole Opfermann, Sri Rahayu, Iskandar Siregar, Ulfah Siregar, Sri Sudarmiyati Tjitrosoedirdjo, Utut Widyastuti, Zulkifli Zulkarnain

"Plant genetic diversity and reproductive strategies in tropical transformation systems"

Miriam Teuscher & Miriam Vorlaufer, Ulrich Brose, Yann Clough, Yeni Mulyani, Meike Wollni *"How much is a bird? Trade-off between bird diversity and abundance, yields and revenue in smallholder oil palm plantations"*

Damayanti Buchori

"Tropical biodiversity response to habitat transformation"

ca. 18.30 – open end

Dinner and 'ice-breaker' at La Hacienda**Human dimensions** *Chair: Anas Fauzi*

9.00–9.45 Daniel Murdiyarso, CIFOR Indonesia (Key note)

"Biodiversity and carbon conservation in the face of oil-palm development in Indonesia"

9.45–10.10 Stephan Klasen & Katrin Meyer, University of Göttingen

"Trade-offs between optimal economic specialization and maintenance of ecosystem functions at different spatial scales"

10.10–10.30 Holger Kreft & B11 Team, University of Göttingen

*"Biodiversity enrichment in oil palm plantation"*10.30–11.00 **Coffee break***Chair: Kerstin Wiegand*

11.00–12.00 Jochen Drescher, Fitri Yola Amandita, Damayanti Buchori, Dodo Gunawan, Reiner Finkeldey, Alexander Knohl, Ana Meijide, Stefan Scheu

"Central Scientific Support in an interdisciplinary research project"

Rivayani Darmawan & Katharina Trapp, Mohammad Iqbal Irfany, Stephan Klasen, Jann Lay

"The determinants of consumption-based carbon footprints in Indonesia: results from analyses in Sulawesi, Jambi and the national level"

I Nengah Surati Jaya, Lutz Fehrmann, Christoph Kleinn, Paul Magdon, Dian Melati, César Pérez, Muhammad Zuhdi

"Historical analysis on the spatial pattern of land use in the Jambi province – methods, results and tools"

Nunung Nuryartono

*"The pattern of agricultural development in Jambi province – a social economic perspective"*12.00–13.00 **Lunch**

13.00–14.30 Poster presentations

Human dimensions (continued) *Chair: Matin Qaim*

14.30–15.15 Patrice Levang, IRD Montpellier (Key note)

"Sustainability, migration, and agricultural transition. A century of damar agroforests in Krui, West Lampung (Indonesia)"

15.15–15.40 Teja Tscharntke & Bernhard Brümmer, University of Göttingen

"Scenarios of socioeconomic-ecological tradeoffs in tropical land use"

15.40–16.00 Heiko Faust & Meike Wollni

"Socio-economic opportunities and threats of land use choices in a smallholder landscape of Sumatra"