International Symposium on Integrative Modelling in Sustainability Systems Research

Kassel, 17 - 18 May 2018

University of Kassel,
Gießhaus,
Mönchebergstraße 5, 34127 Kassel
Thursday, 17.05.2018

09:00 – 09:20  Welcome Address  
Prof. Dr. Reiner Finkeldey, President of the University of Kassel

09:20 - 09:45  Introduction to CESR and the Symposium  
Prof. Dr. Andreas Ernst, Executive Director, CESR

09:45 - 10:15  Keynote: Integrated Modeling for Sustainability: Promises Kept?  
Prof. Dr. Wolfram Mauser, Ludwig-Maximilians-University Munich

10:15 - 12:00  Session: Sustainable Energy Systems and Policies  
Moderator: Prof. Dr. Andreas Ernst

Modelling of Energy System Transition towards Very High Levels of Sustainability in Global-Local Resolution  
Prof. Dr. Christian Breyer, Lappeenranta University of Technology

Simulating Climate and Energy Policy with Agent-Based Modelling  
Prof. Dr. Emile Chappin, Delft University of Technology

Assessing the Sustainability of Highly-Renewable European Energy Futures  
Dr. Stefan Pfenninger, ETH Zurich

12:00 - 13:15  Lunch
13:15 - 13:45  **Keynote: Understanding of global scale land use pattern for reconciling biodiversity conservation and agricultural production**  
*Prof. Dr. Ralf Seppelt, Helmholtz Centre for Environmental Research*

13:45 - 15:00  **Session: Socio-Ecological Systems**  
*Moderator: Prof. Dr. Rüdiger Schaldach*

- Challenges in Modelling the “Socio” in Coupled Socio-Ecological Systems  
  *Prof. Dr. Nina Schwarz, University of Twente*

- Land-Use Change in Oil Palm Dominated Tropical Landscapes - An Agent-Based Model to Explore Ecological and Socio-Economic Trade-Offs  
  *Prof. Dr. Kerstin Wiegand, Georg-August-University Göttingen*

15:00 - 15:30  **Tea & Coffee**

15:30 - 16:45  **Session: Global Energy-Climate Nexus**  
*Moderator: Dr. Martina Flörke*

- From Shared Socio-Economic Pathways to Sustainable Development Pathways  
  *Dr. Elmar Kriegler, Potsdam Institute for Climate Impact Research (PIK)*

- Modeling Environmental Policies and Interventions  
  *Dr. Fabian Wagner, International Institute for Applied Systems Analysis (IIASA)*

16:45 - 18:00  **General Discussion and Lessons Learned**
Friday, 18.05.2018

09:00 - 09:30  **Keynote: Unintended consequences: Methodologies to minimize the inevitable?**
*Prof. Dr. Angela Druckman, University of Surrey*

09:30 - 10:45  **Session: Sustainable Consumption and Production**
Moderator: Prof. Dr. Stefan Bringezu

Stronger together: Combining Integrated Assessment Models with Life Cycle Assessment.
*Dr. Christopher Mutel, Paul Scherrer Institute (PSI)*

*Dr. Arne Geschke, The University of Sydney*

10:45 - 11:15  Tea & Coffee

11:15 - 12:30  **Session: Sustainable Consumption and Production (ctd.)**
Moderator: Prof. Dr. Stefan Bringezu

Exploring Material-Energy Nexus for Resource and Climate Strategies
*Dr. Gang Liu, University of Southern Denmark*

Smart Self-Regulating Systems for Sustainable Resource Consumption and Production
*Dr. Evangelos Pournaras, ETH Zurich*

12:30 - 13:45  Lunch

13:45 - 15:30  General Discussion and Lessons Learned

15:30 - 16:00  Closing and Farewell Coffee

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Please use this link to find more information on all contributions:
https://www.uni-kassel.de/einrichtungen/cesr/aktuelles/symposium-integrative-modelling.html