

Workshop

## **Cross-disciplinary perspectives on Anthropocene Studies: Human Agency in the Evolution of the Technosphere**

### **Schedule**

<b>Thursday, Dec 13</b>	Welcome	10:00-10:30
<b>Paper</b>	<b>Presenter</b>	<b>Time</b>
<b>Chair: Hartmut Rosa (tbc)</b>		
The technosphere in Earth system analysis: A coevolutionary perspective Donges/Lucht/Müller-Hansen/Steffen	Urs Lindner	10:30-11:15
Thermodynamic foundations of the earth system, Chapter 11, Human activity Kleidon	Andreas Folkers	11:15-12:00
Discussion		12:00-12:30
Lunch (seminary)		12:30-13:30
<b>Chair: Asuman Latzer-Läsar</b>		
Resource acquisition, distribution and end-use efficiencies and the growth of industrial society Jarvis/Jarvis/Hewitt	Sisi Sung	13:30-14:15
The Case for a New Discipline: Technosphere Science Herrmann-Pillath	Jörg Oberthür	14:15-15:00
Discussion		15:00-15:30
Coffee-Break		15:30-16:00
<b>Chair: Carsten Damm</b>		
Viewing the technosphere in an interplanetary light Szerszynski	Georg Kobiela	16:00-16:45
The probability of the improbable : Society–nature coevolution Weisz	Petra Gümplová	16:45-17:30
Discussion		17:30-18:00
<b>Dinner: Seminary</b>		18:00-19:00
<b>Christmas market stroll</b>		19:00-21:00

<b>Friday, Dec 14</b>		
<b>Chair: Andreas Huth (tbc)</b>		
Internal selection and market selection in economic Genetic Algorithms Geisendorf	Ricarda Winkelmann	09:00-09:45
Operationalizing climate targets under learning: An application of cost-risk analysis Neubersch/Held/ Otto	Cécile Stehrenberger	09:45-10:30
Discussion		10:30-11:00
Coffee break		11:00-11:15
<b>Chair: tbd</b>		
Methods and approaches to modelling the Anthropocene Verburg/Dearing Dyke/van der Leeuw/Seitzinger/Steffens/Syvitski	Hirokazu Takizawa	11:15-12:00
Discussion		12:00-12:30
Lunch (seminary)		12:30-13:30
<b>Chairs: Herrmann-Pillath and Kleidon</b>		
Synthesizing key concepts and challenges		13:30-15:00
<b>End of workshop, departure</b>		15:00