

**WORKSHOP**

# BRIDGING THE \_ GAP

Integrating Historical  
Knowledge and Complex  
Human-Environmental  
Systems Modelling

**12-13 DECEMBER, 2023**



**MAX PLANCK INSTITUTE  
OF GEOANTHROPOLOGY**

# ONLINE VIA ZOOM

<https://eu02web.zoom-x.de/j/68280757414?pwd=K09tRmYvS0J1R3cxYjQ5endxVUI6dz09>

Meeting ID: 682 8075 7414

Passcode: 475131

## TUESDAY, DECEMBER 12

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8:45-9:00 **Welcome address:** Jürgen Renn

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9:00-10:30 [Ricardo Fernandes](#) Bridging the Gap Between History and Policy: perspectives and challenges

9:45-10:30 [Adam Izdebski & Georgios Liakopoulos](#) Cycles of crisis and recovery in late medieval and early modern Macedonia

10:30-11:00 **Coffee break**

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10:00-11:45 [Takeshi Nakatsuka](#) Multidecadal Climate Variability as a Key Factor to Activate Regime Shifts in Human Societies

11:45-12:30	<a href="#">Sabina Fiolna</a>	The social networks of cities and their impact on the environment in Asia Minor under the Roman Empire
12:30-13:30	<b>Lunch</b>	
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13:30-14:15	<a href="#">Piotr Guzowski &amp; Radosław Poniak Białystok</a>	Elementary disasters and taxes in pre-industrial Poland
14:15-15:00	<a href="#">Dominik Collet</a>	The Little Ice Age. Lessons from the past
15:00-15:30	<b>Coffee break</b>	
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15:30-16:15	<a href="#">Albert Per Demitrios Norström</a>	Navigating the Anthropocene: Challenges and Opportunities
16:15-17:00	<a href="#">Stefan Thurner</a>	Recent modelling efforts at CSH Vienn
17:00-18:00	<b>Discussion I</b>	
18:00-19:00	<b>Dinner</b>	
19:00-20:00	<b>Discussion II</b>	

## WEDNESDAY, DECEMBER 13

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9:00-9:45	<a href="#">Anton Plicher</a>	Modeling the energy transition on the firm level
9:45-10:30	<a href="#">Junling Ma</a>	Agent-based modeling for infectious diseases
10:30-11:00	<b>Coffee break</b>	
11:00-11:45	<a href="#">Ivan Savin</a>	Agent-based modelling to integrate different disciplines for ambitious climate policy
11:45-12:30	<a href="#">Birgit Müller</a>	Use of socio-environmental systems modelling to analyse land use change and impacts of policies
12:30-13:30	<b>Lunch</b>	
13:30-14:15	<a href="#">Gesine Steudle</a>	Understanding Memory Mechanisms in Socio-technical Systems: The Case of an Agent-based Mobility Model
	<a href="#">Sofia Gil Clavel</a>	Use of Natural Language Processing and Networks to track the evolution of individuals' factors of climate change adaptation
15:00-15:30	<b>Coffee break</b>	
15:30-17:00	<b>Discussion III</b>	