

Research Area A 'Spatial Knowledge and Conceptual Design'

Workshop “Modeling the Past - Predictive Approaches to Climate, Environment, Population and cultural Dynamics in Prehistory“ Berlin, 21-22 November 2013

□ **Ort/Location:** Vortragssaal/Auditory des Topoi-Haus der Freien Universität Hittorfstraße 18, 14195 Berlin ; U-Bhf. Thielplatz (U3)

Program

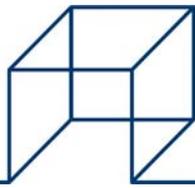
Thursday, 21 November

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| 16.00 | Welcome of participants (Birgitta Schütt, Wolfram Schier, FU Berlin) |
| 16.15-16.45 | Carsten Lemmen (Helmholtz Zentrum Geesthacht)

Potential population, land use dynamics and the Early Anthropocene |
| 17.00-17.30 | Wolfgang Schwanghart (University of Potsdam)

Landscape evolution models and their application in geoarchaeology |
| Optionally: | Attending the |
| 18.15-19.00 | TOPOI 3 rd Thursday Meeting
(report on recently submitted PhD theses)
Brian Beckers (FU Berlin)

Water supply of ancient settlements in dry lands. Geo-archaeological perspectives on the water harvesting systems in Resafa, Syria and Petra, Jordan |
| 19.30 | Dinner |



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Friday, 22 November

- 9.00-9.30 Ulrich Cubasch, Janina Körper, Emmanuele Russo, B. Fallah (FU Berlin)
Climate Change Modelling - developed for the future, applied to the past
- 9.45-10.15 Jed Kaplan (University of Geneva)
Anthropogenic land cover change during the Preindustrial Holocene: Global modeling of diet, land use and biomass burning
- 10.30-11.00 Jutta Lechterbeck (Landesdenkmalamt Baden-Württemberg, Hemmenhofen)
Application of the multiple scenario approach: new tools for the modeling of vegetation cover and the simulation of pollen yield.
- 11.15-11.30 Coffee break
- 11.30-12.00 Tim Evans (Imperial College London)
Spatial Network Models in Archaeology
- 12.15-12.45 Andreas Zimmermann (University of Cologne)
Upscaling prehistoric population density and simulation of its land use patterns
- 13.00-14.00 Lunch
- 14.00-14.30 Mehdi Saqalli (Université Toulouse le Mirail)
Agent-based modelling the past: building interdisciplinary principles and methodology thanks to experience
- 14.30-15.30 Final discussion