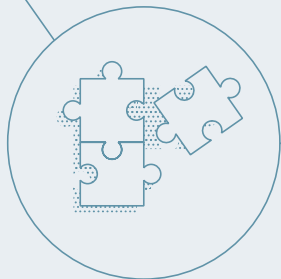
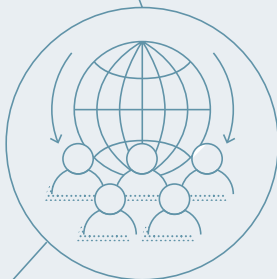
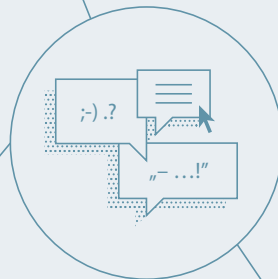
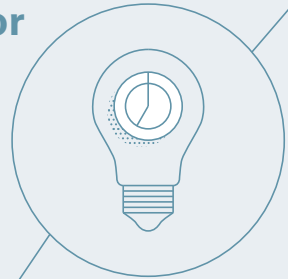


Einladung

Expert Insights | Modeling the Past to Predict the Future

Online-Vortrag **Dr. Dániel Kondor**

07.05.2024, 19:00 Uhr



Modeling the Past to Predict the Future

Understanding (Pre-)History Through Computational Modeling

Online-Vortrag von Dr. Dániel Kondor

Over the past 10,000 years, human societies have evolved from small-scale, relatively egalitarian groups to complex, large-scale societies characterized by great differences in wealth and power and elaborate governance structures. **Social complexity** has not increased in a steady, gradual fashion. All complex societies periodically experience turbulence and dysfunction, often resulting in a breakdown of institutions and population declines.

In his talk, Dr. **Daniel Kondor** from the Complexity Science Hub will give an overview of these efforts, showing that when applied carefully, a combination of these methods can yield important new insights by connecting hypotheses about group-level behavior to large-scale, emergent outcomes. He will specifically review the case of **prehistoric Europe** as an example, where an increasing amount of evidence shows highly dynamic interactions among human groups and with their environment. He will discuss how testing hypotheses about the role of different factors can be difficult, and how computational modeling can help by generating **quantitative predictions** that can be compared to data, along with understanding limitations in distinguishing different causes and mechanisms.

Dr. Dániel Kondor joined the Complexity Science Hub as a PostDoc in May 2021. He earned a PhD in physics with a focus on network and data science from the Eötvös Loránd University in Budapest in 2015. His current research focuses on large-scale, agent-based models of interactions among historical societies. His research interests include data-driven and agent-based modeling of complex social, economical, and technological phenomena.

Universität für Weiterbildung Krems
Alumni-Club
T +43 (0)2732 893-3030
alumni@donau-uni.ac.at
www.donau-uni.ac.at/alumni

Dienstag, 07.05.2024

19:00 Uhr

Virtuell via Zoom

Jetzt anmelden ▶

Die Teilnahme ist kostenlos
(Anmeldung erforderlich).

Mehr Informationen:

- ▶ [Alumni-Club Website](#)
- ▶ [Dr. Dániel Kondor](#)
- ▶ [Complexity Science Hub](#)

