Event

Mapping and Modeling Science, Technology, and Education

06 October 2025

3:00 pm - 4:00 pm

CSH Talk (https://csh.ac.at/event-category/csh-talk/)

Library
Metternichgasse 8, 1030 Vienna

Complexity Science Hub

Email
events@csh.ac.at

Attendance on site

Language EN

Envisioning and implementing desirable futures requires a deep understanding of developments in science and technology as well as the ability to both simulate and communicate the likely impact of alternative actions. At a time when our relationship to a vulnerable planet Earth is especially important, such a profound awareness of complex, interlinked systems is needed more than ever. *Atlas of Forecasts*, from the creator of *Atlas of Science* and *Atlas of Knowledge,* shows how we can use data to map possible futures.

Börner's *Atlas of Forecasts* uses advanced data visualizations to introduce different types of computational models, and it demonstrates how model results can be used to inform effective decision-making. The models aim to capture the structure and dynamics of developments in education and the job market, progress in science and technology, and the impact of government policies – all from the micro to the macro levels. Model results can help us decide which human skills are needed in an artificial intelligence–empowered economy, which courses

and degrees are most effective in upskilling and reskilling the current and future workforce, what progress in science and technology is likely to happen, and how policymakers can future-proof regions or nations. This Atlas offers a driver's seat perspective for a test drive of the future.

In October 2025, the *Atlas of Macroscopes: Interactive Data Visualizations* will become available in stores around the globe. Transcending the static nature of the maps featured in the initial trilogy, macroscopes, or interactive data visualizations, give us holistic views of complex systems or networks. They provide an entry point for scientists and laypeople alike and empower us to engage directly with large datasets and to conduct our own lines of questioning. As portals to continuously evolving data, macroscopes can serve as windows to the dynamics of any terrain – personal or professional, local or global – and offer key insights into our surroundings and even our place in the universe.

↓ Location

Speaker(s)

Katy Börner
(https://csh.ac.at/katy-borner/)