

scimaps.org

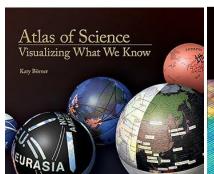
Science Macroscopes: Interactive Data Visualizations for Exploring Networks in Global Society

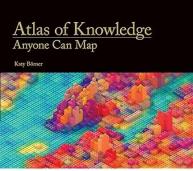
Katy Börner, Elizabeth G. Record and Todd N. Theriault

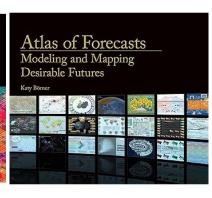
NetSci 2025

June 2, 2025

1st Decade of Places & Spaces: 100 Maps (2005-2014)







https://scimaps.org/maps

Iteration I (2005)

The Power of Maps

























Iteration IV (2008)

Iteration II (2006)







Iteration III (2007)

The Power of Forecasts























Science Maps for Economic Decision Makers





Iteration V (2009)

Science Maps for Science Policy Makers













Iteration VI (2010)

Science Maps for Scholars













Iteration VII (2011)

Science Maps as Visual Interfaces to Digital Libraries















Iteration VIII (2012)

Science Maps for Kids













Iteration IX (2013)

Science Maps Showing Trends and Dynamics















Iteration X (2014)







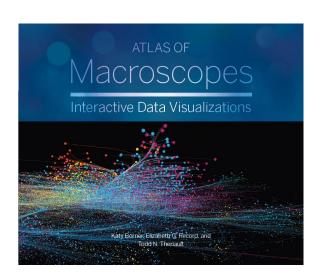




The Future of Science Mapping



2nd Decade of *Places & Spaces*: 40 Macroscopes (2015-2024)

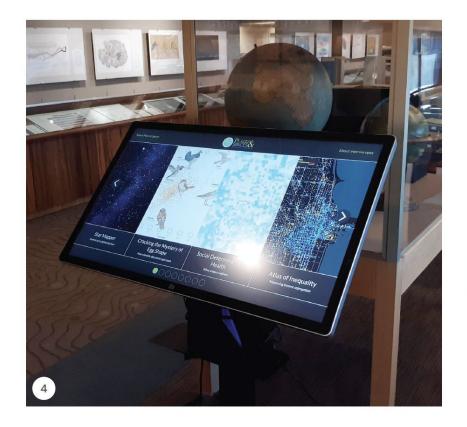


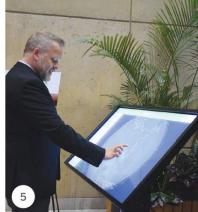


https://scimaps.org/macroscopes



Today, 40 macroscopes can be explored via a touchscreen kiosk that provides visual and technical coherence—serving as an exciting entry point for exploring the world of science interactively.









① The debut of the *Places* & *Spaces* 18th iteration, "Macroscopes for a New Perspective," at the University of Michigan's Clark Library, 2022; ③ Exploring the *Earth* macroscope at the IU Art Museum, 2016; ⑥ Students enjoying the macroscopes in Luddy Hall, Indiana University, 2020; ⑦ The exhibit team viewing André Skupin's *Coronavirus SoS*, 2023; ⑧ Science Fest 2019, Indiana University; ⑨ First Thursdays at Indiana University, 2019.





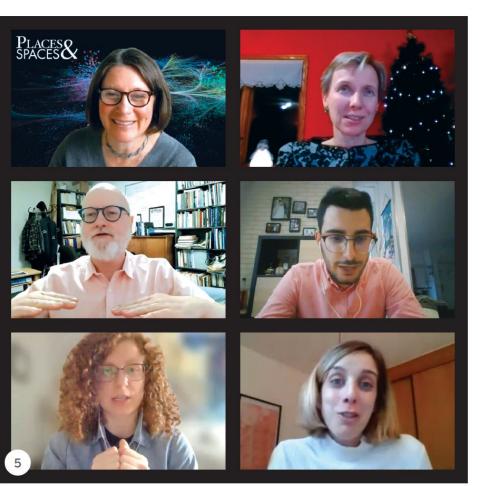






① Understanding the world through data at the Mundaneum's Mapping Knowledge exhibit in June, 2015; ② Kalev Leetaru, creator of the Mapping Global News macroscope, prepares for his interview, 2016; 3 Nature 150 designer Alice Grishchenko discusses bringing the worlds of art and science together, 2021; Visitors engaging with the Macroscope Kiosk at the David J. Sencer CDC Museum, 2015.





3rd Decade of *Places & Spaces:* Envisioning Intelligences

Including

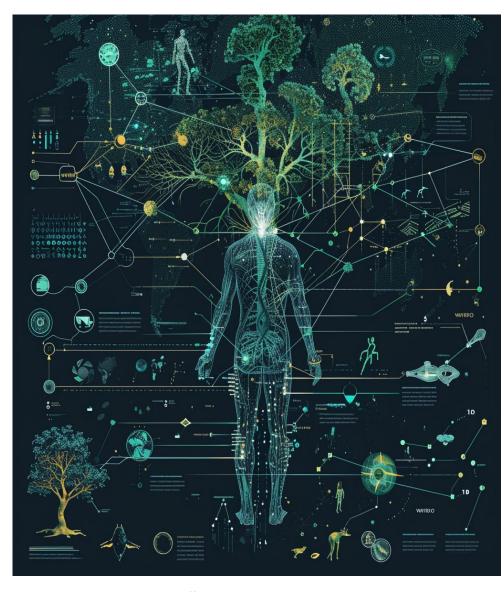
 linguistic, kinesthetic, communication, musical, emotional, and other intelligences by biological and technological life forms

with a focus on

collaboration & coordination across life forms and intelligence types

to inspire discussion about

 existing and future sensors & actuators, memory & reasoning, exploration & communication, plus shared goals & desirable futures.



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