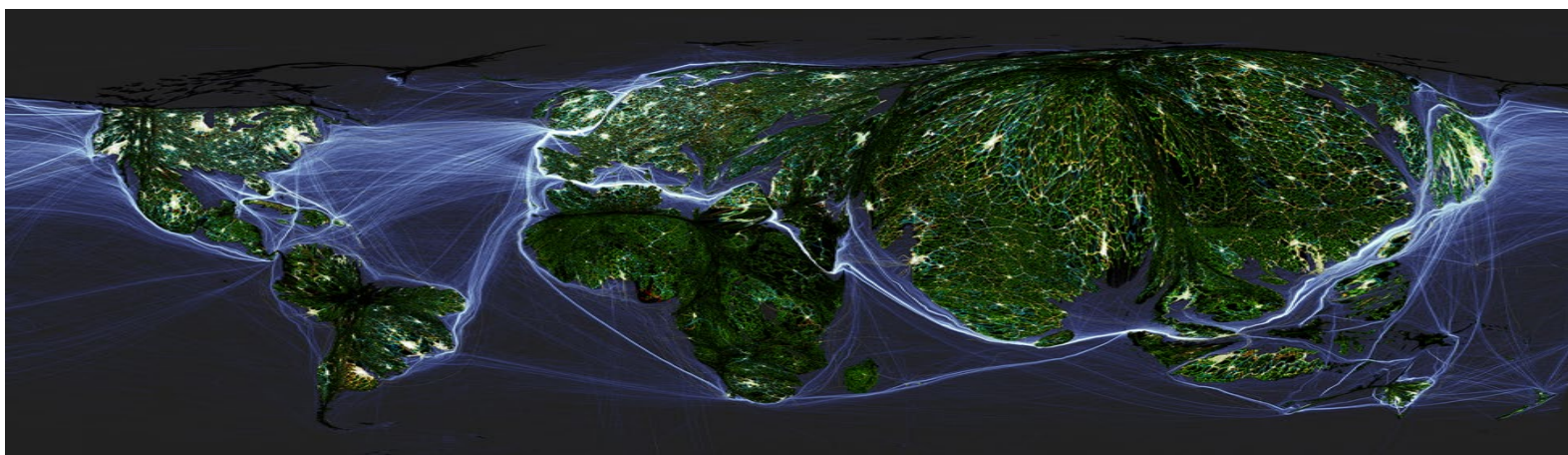




Cartograms: An Alternative Map Projection?

- Speaker:** **Professor Benjamin Hennig**
Faculty of Life and Environmental Sciences, University of Iceland
- Chair:** **A/P Feng Chen-Chieh**
Department of Geography, NUS
- Date/Time:** Friday, 20 September 2019, 3.30pm
Place: AS2 #02-03



Abstract

In human geography and other social sciences cartograms have been used as an alternative approach to visualising quantitative mostly socioeconomic data for quite some time. However, in environmental sciences this mapping technique has rarely been used, often also due to its (presumed) limited capabilities of showing more complex datasets.

This talk introduces gridded cartograms as an alternative map projection, a novel approach developed from Gastner/Newman's density-equalising cartograms. Gridded cartograms provide unique insights into highly detailed datasets from social as well as environmental sciences. They can also be used to depict correlations between two spatial dimensions in unique ways in a different way than conventional maps do. While the results are unusual depictions, these techniques have the capability to provide new perspectives on our planet and reimagine the complex dimensions that shape our planet. This can be relevant in communicating science to the public as much as increase understanding of the data that we are working with as scientists.



About the Speaker

Benjamin Hennig is a professor of Geography in the Faculty of Life and Environmental Sciences at the University of Iceland. He is also an honorary research associate in the School of Geography and the Environment at the University of Oxford and is involved in the Worldmapper project. His research interests include social inequalities, humanity's impact on the planet, global sustainability and the development of concepts for analysing, visualising and mapping these issues.

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