

Improving Usability of Geospatial LOD KOS with Map-Based Visualizations

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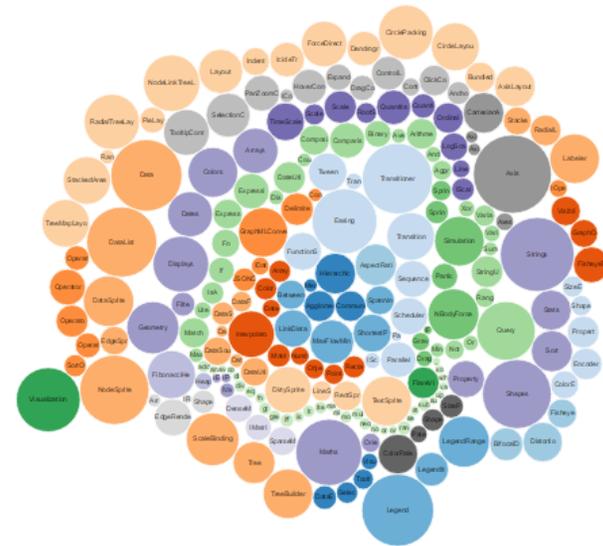
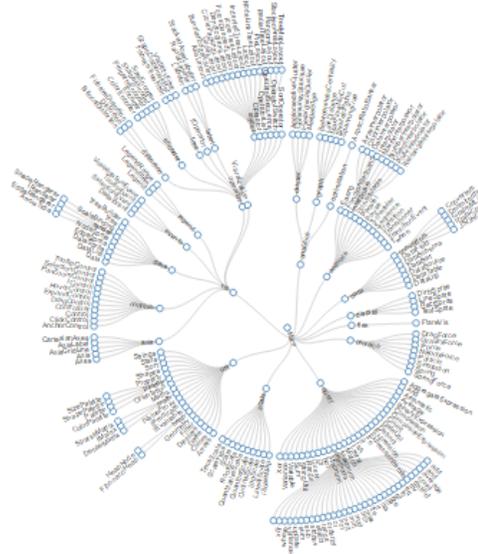
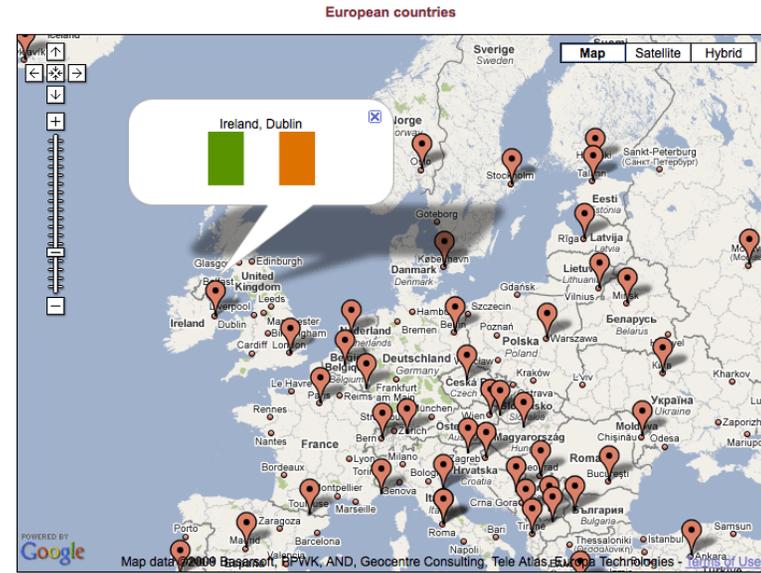
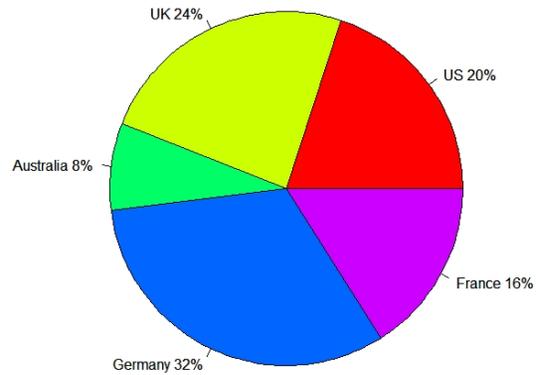
Why Visualization?



- Retrieve
- **Make sense**
- **Analyze**
- Link
- **Process**

What is Visualization?

Pie Chart of Countries



LOD KOS and Visualization

Metadata

Subject Headings

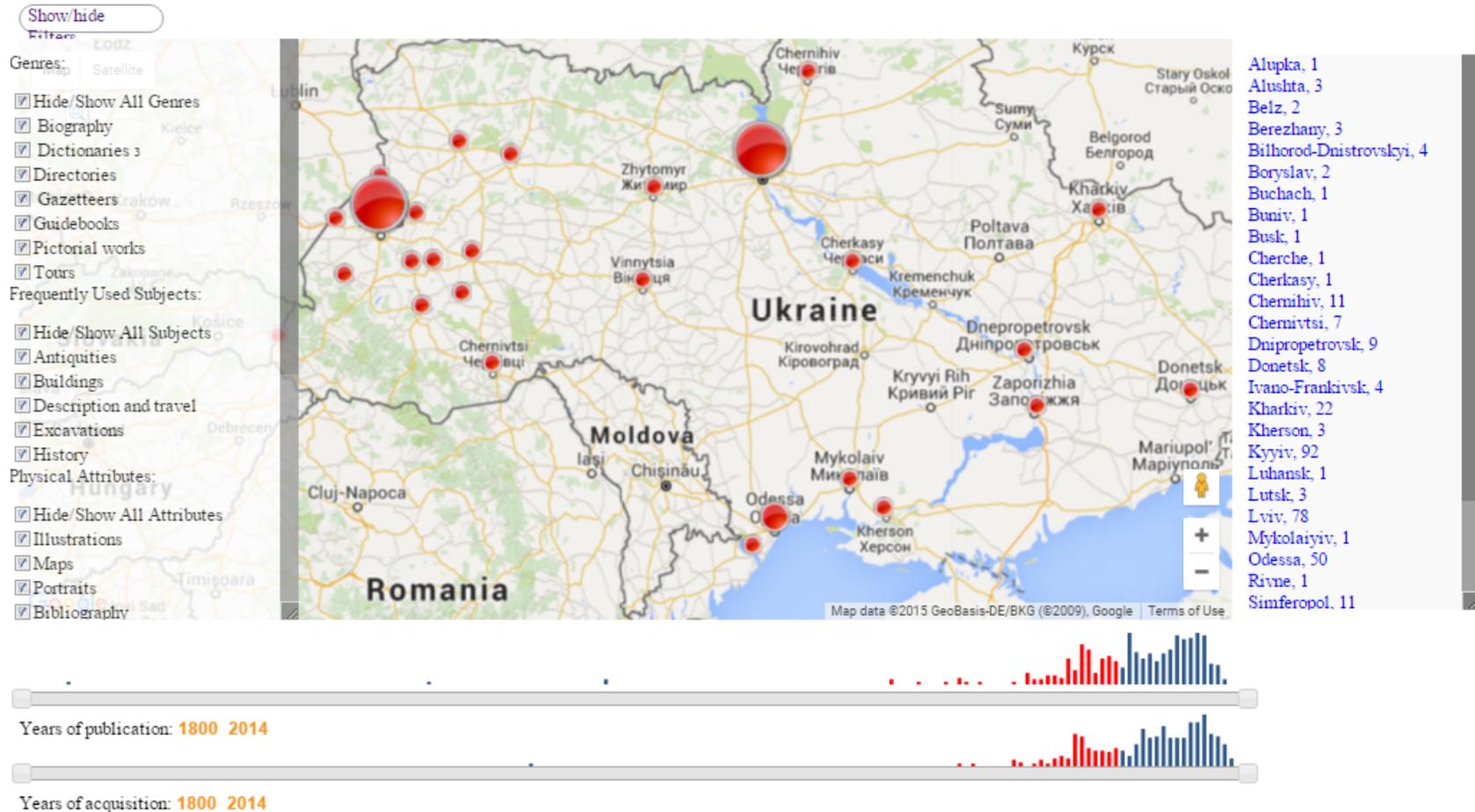
Classification schemes

Thesauri

Ontologies

Gazetteers

VICOLEX



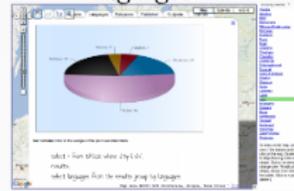
Buchel, O. & Sedig, K. (2014). Making sense of document collections with map-based visualisations: the role of interaction with representations *Information Research*, 19(3), paper 631. [Available at <http://InformationR.net/ir/19-3/paper631.html>]

VICOLEX

Book Sizes and languages



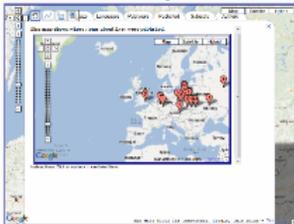
Languages



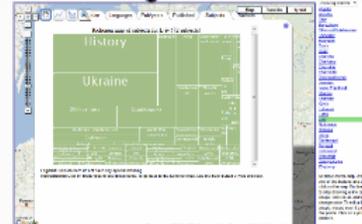
Years of publication



Places of publication



Subjects

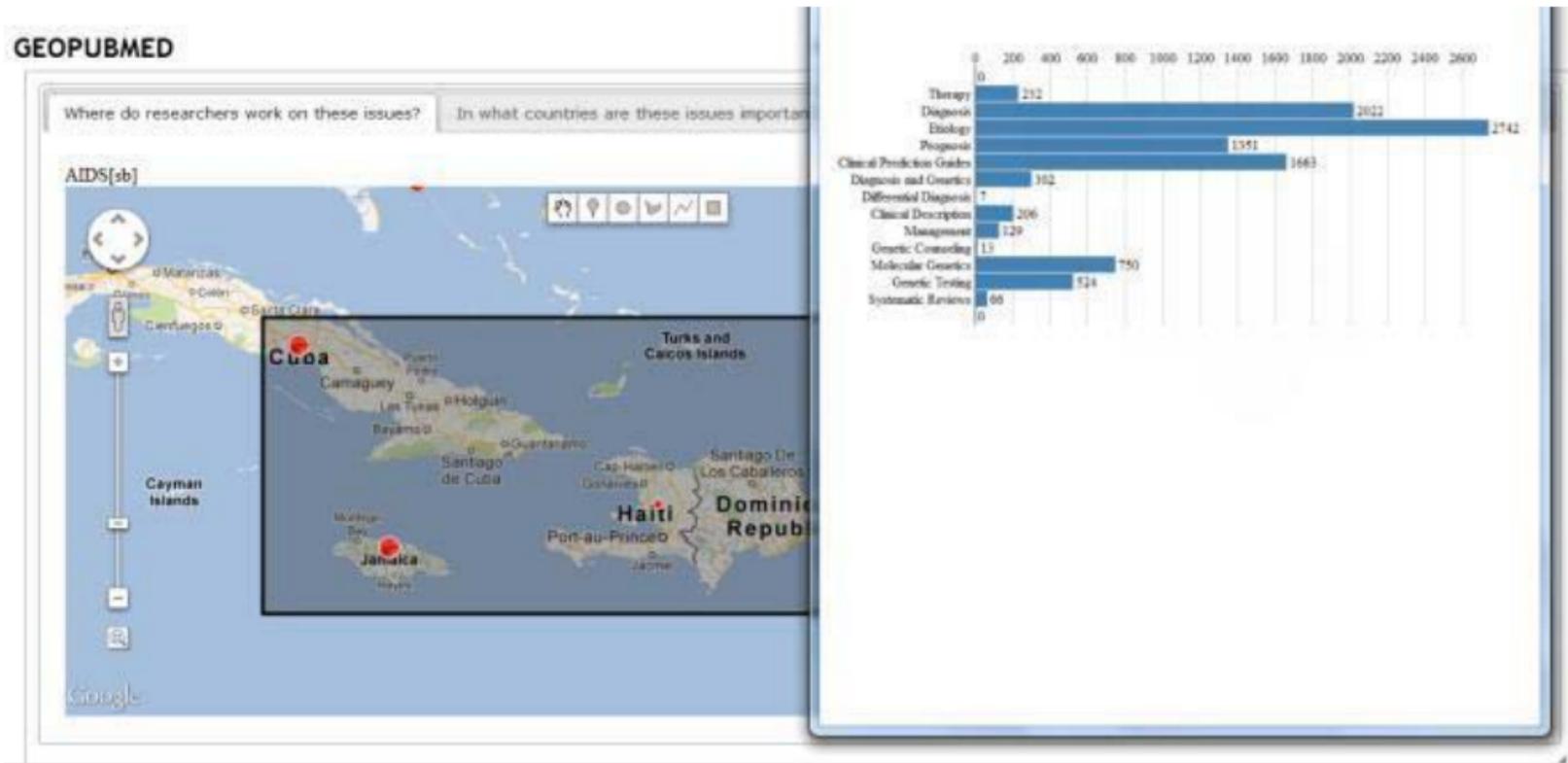


Authors



Buchel, O. & Sedig, K. (2014). Making sense of document collections with map-based visualisations: the role of interaction with representations *Information Research*, 19(3), paper 631. [Available at <http://InformationR.net/ir/19-3/paper631.html>]

Interactions: Spatial Selection



Buchel, O. (2013). Redefining geobrowsing. *Proceedings of the American Society for Information Science and Technology*, 50(1), 1-10.

Interactions: Intelligent Zoom

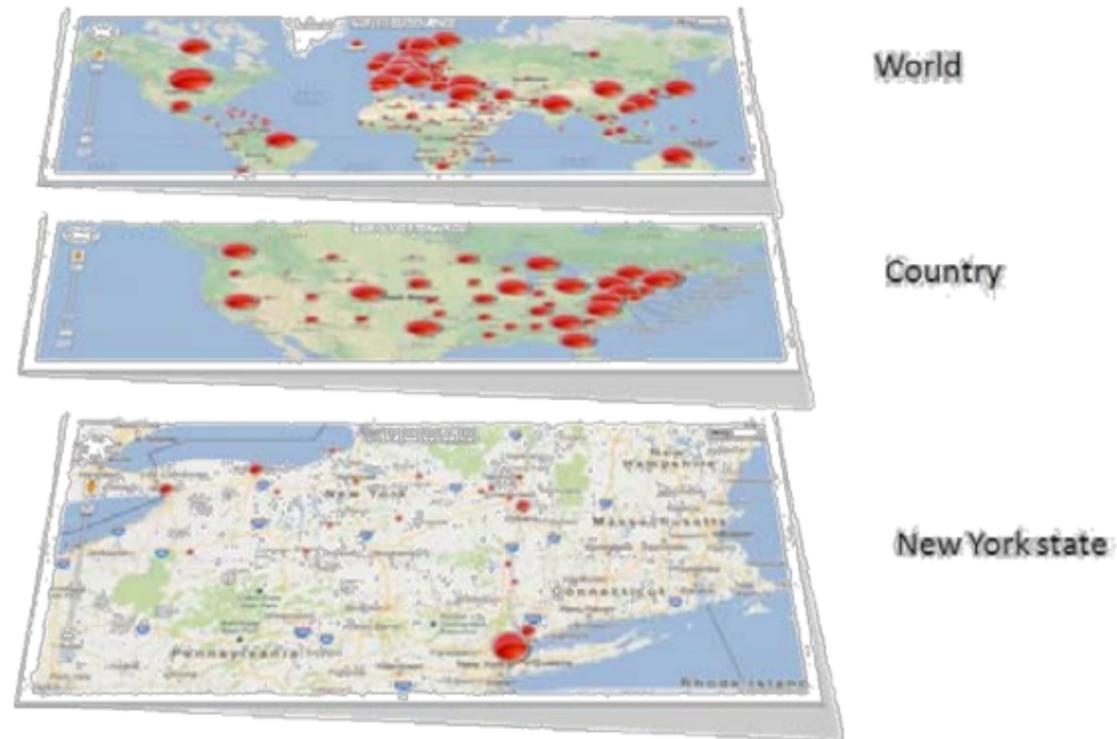


Figure 2. Intelligent zoom.

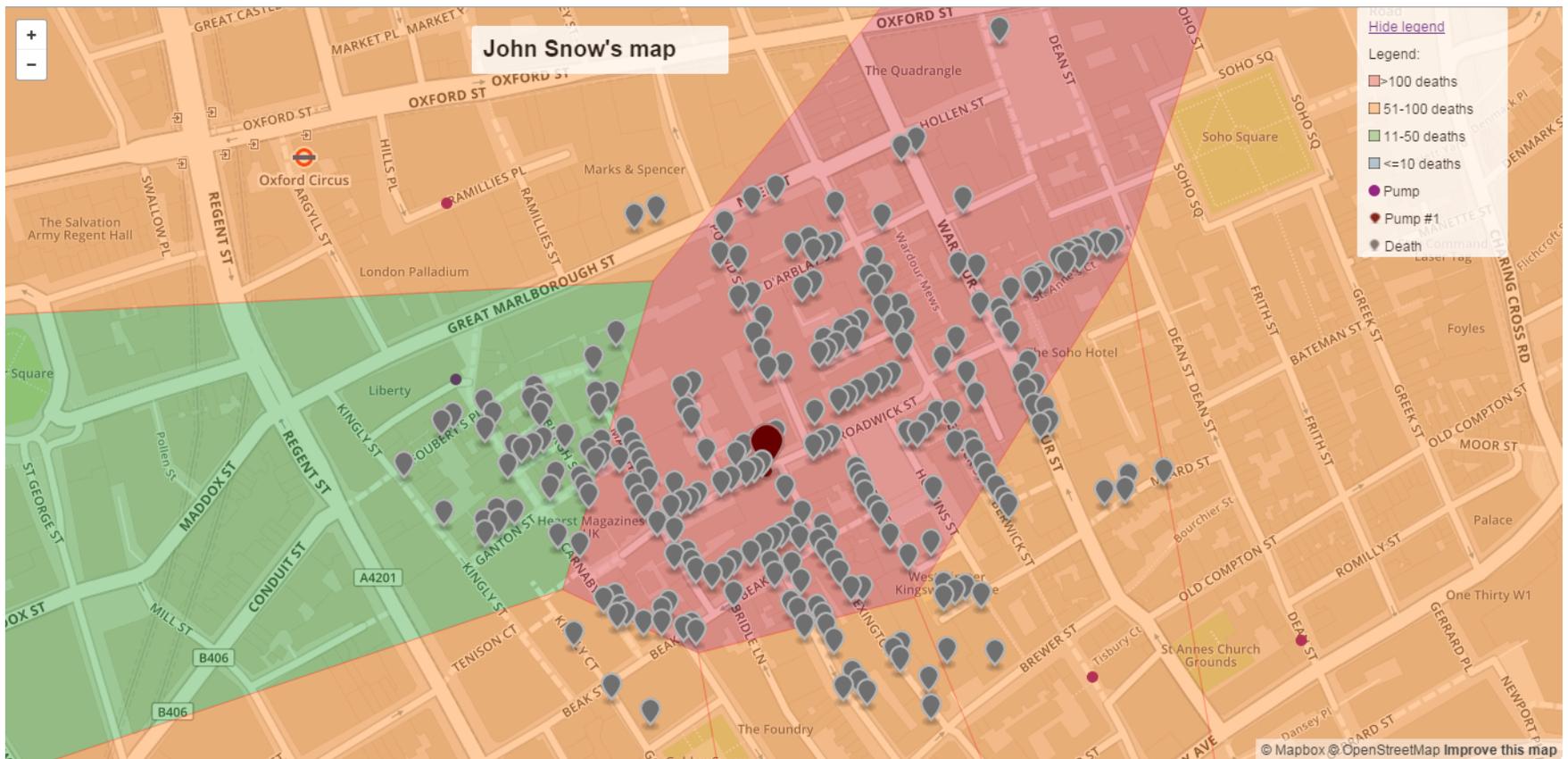
Buchel, O. (2013). Redefining geobrowsing. *Proceedings of the American Society for Information Science and Technology*, 50(1), 1-10.

John Snow's Map



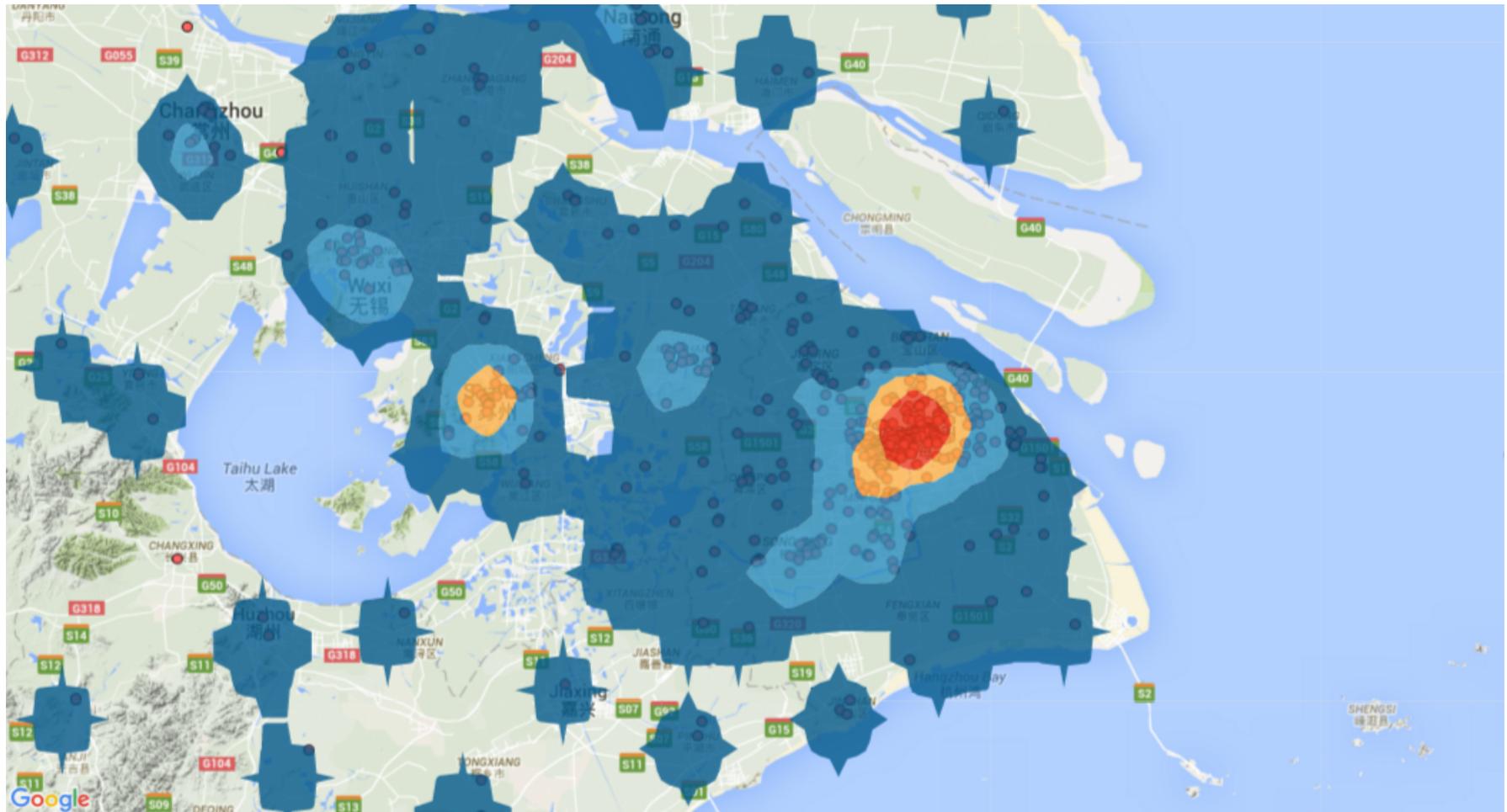
Spatial associations;
possible causality

Dividing Space Differently



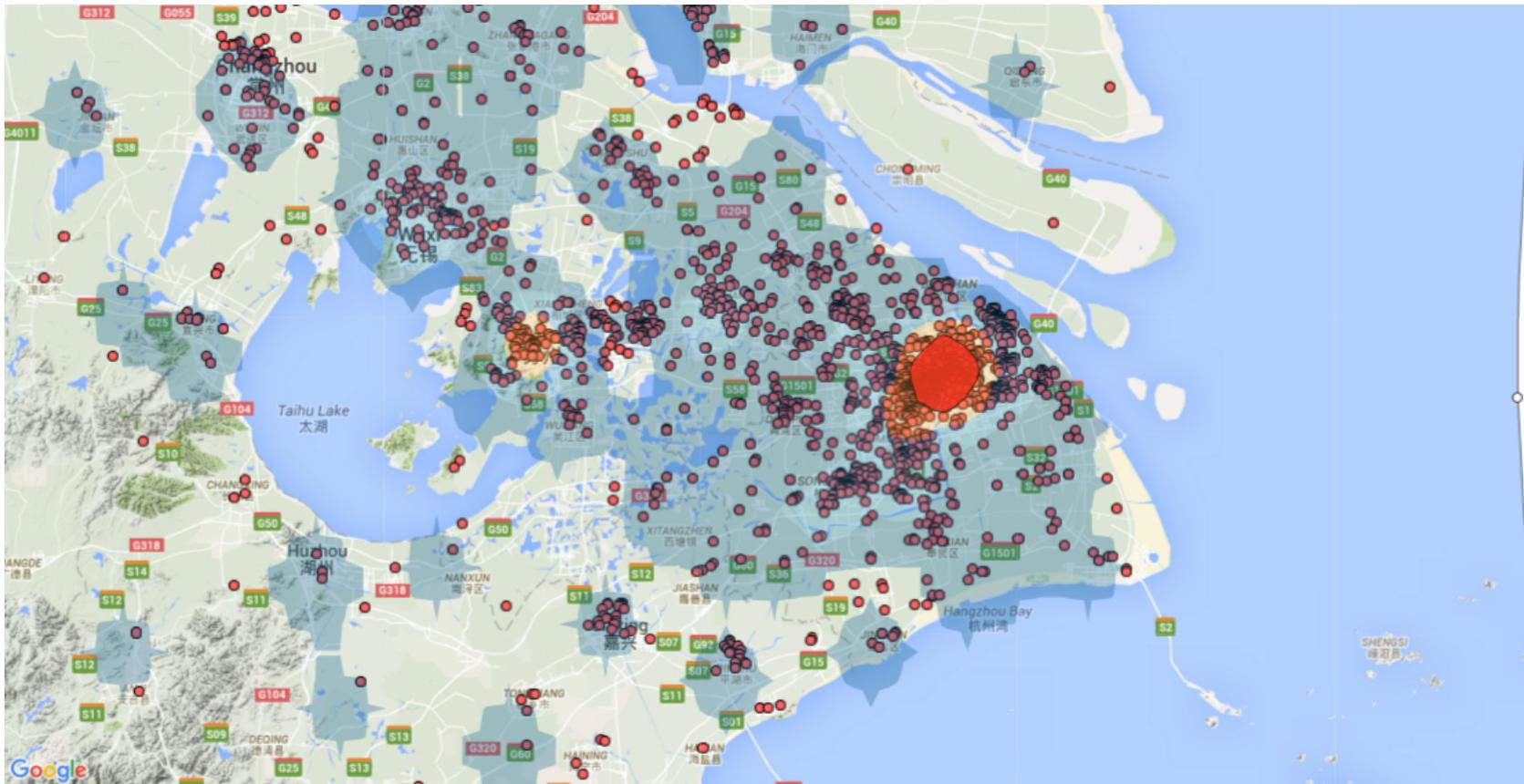
Global Outbreaks, siTechnologyGroup, Inc.

Reporting Data Beyond Traditional Geospatial Boundaries



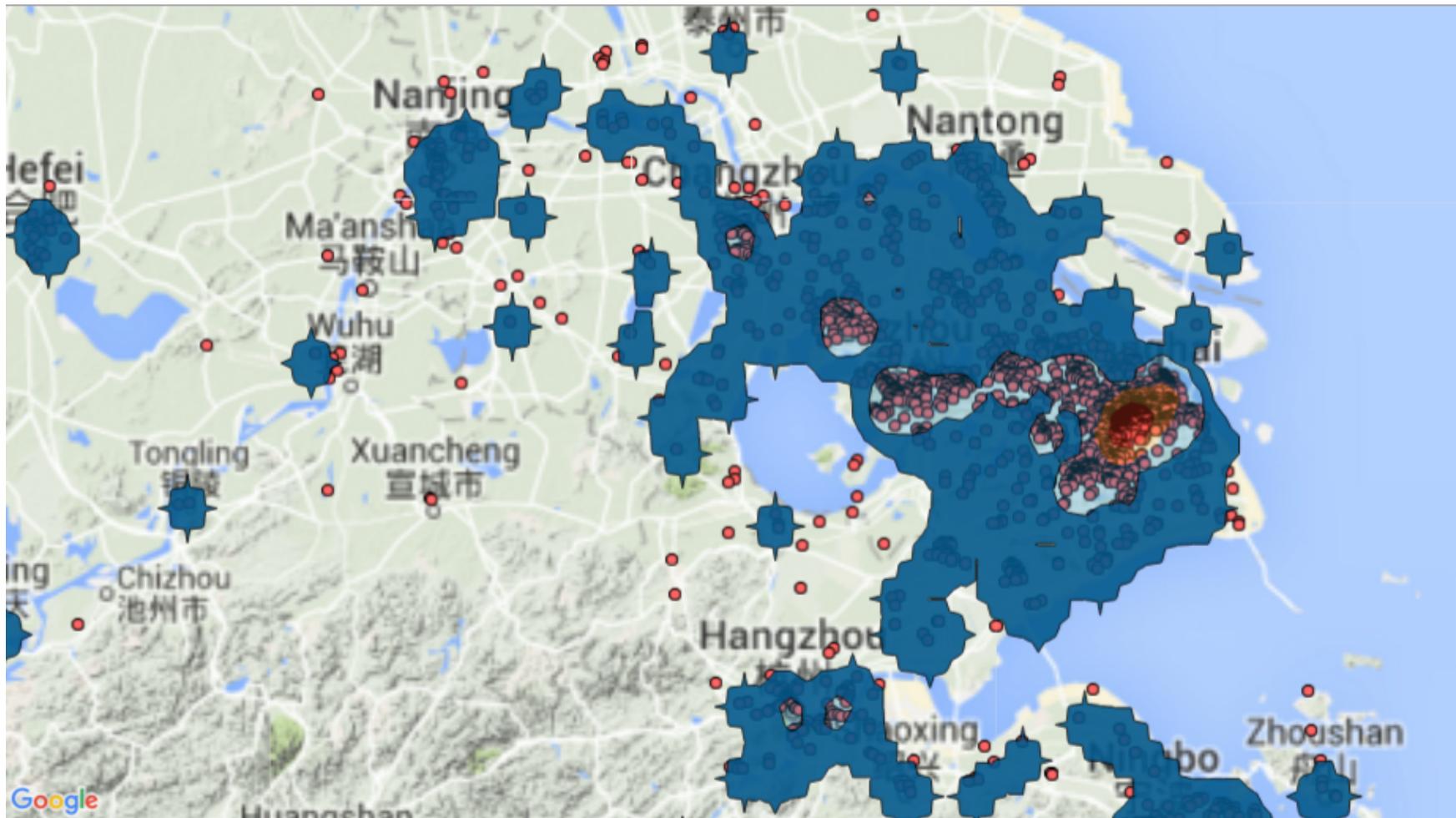
Stallkamp, M., Pinkham, B., Schotter, A., & Buchel, O. (2005), "Core or periphery? An embeddedness perspective on subnational location development of foreign MNEs in China". (working paper).

Retrieving Cores



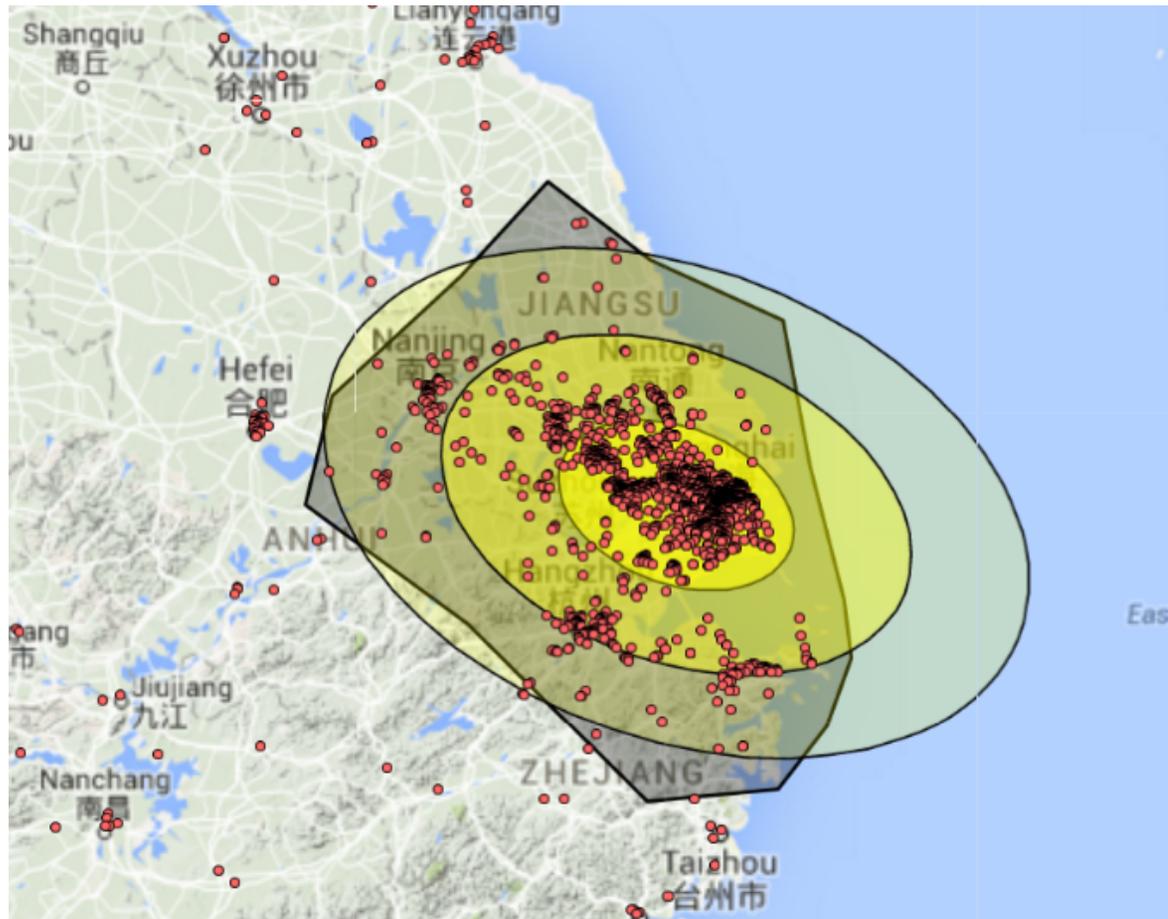
Stallkamp, M., Pinkham, B., Schotter, A., & Buchel, O. (2005), "Core or periphery? An embeddedness perspective on subnational location development of foreign MNEs in China". (working paper).

Retrieving Peripheries



Stallkamp, M., Pinkham, B., Schotter, A., & Buchel, O. (2005), "Core or periphery? An embeddedness perspective on subnational location development of foreign MNEs in China". (working paper).

Adding Spatial Statistics: Standard Deviational Ellipse



Stallkamp, M., Pinkham, B., Schotter, A., & Buchel, O. (2005), "Core or periphery? An embeddedness perspective on subnational location development of foreign MNEs in China". (working paper).