

GEOG 512, Fall 2007
Seminar in Cartography: Multi-Scale Representation

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Mon and Wed 11:15A - 12:30P, 123 Walker

In this project-based seminar we will examine and test ways of making maps through all scales from a limited set of data compilations. Solutions combine map design, feature selection, and feature geometry changes. We will examine:

- generalization tools available in ArcGIS and opensource software.
- MRDB (multiple representation database) approaches being adopted by NMAs (national mapping agencies)
- using LoD (level-of-detail) databases preprocessed to suite intermediate scales to speed on-demand mapping.
- symbol design solutions that solve scale change through particular ranges.

Contexts for this work are learning about the coherent body of work coming from the ICA Commission on Generalization < <http://ica.ign.fr/> > and research I do in collaboration with ESRI and Dr. Buttenfield at Colorado.

Student projects will be individually tailored to programming, design, or comparison and evaluation of tools, depending on your interests.