The Use and Importance of Geospatial Data in Geographically-Integrated History

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Geographically-Integrated History

As a research and teaching discipline, *Geographically-Integrated History* is founded on the idea that (1) the understanding of historical processes requires an integration of place, space, and time and (2) accomplishing this integration poses a challenge that can be met with modern information management and visualization techniques.
**Application**

- History of any place is shaped by the way the place is connected to other places & the changes in these connections over time.

- Historical periods are complex, dynamic, nonlinear systems, which are spatially large, & in more recent centuries, global in extension, and which sometimes become unstable, leading to phase transition, bifurcation, & organization of new systems.

- Within such systems, people & places are connected by self-organizing networks, which are the sources of innovation & the emergence of new forms.

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**“Dead reckoning”**

DynCoopNet: Dynamic Complexity of Cooperation-Based Self-Organizing Commercial Networks in the First Global Age [1400-1800]
Understanding social networks within complex, nonlinear systems: geographically-integrated history and dynamics GIS [ acronym: SOCNET]

National Science Foundation
Cyber-Enabled Discovery & Innovation
Office of Cyberinfrastructure
$1.7 million; 2009-2013
With May Yuan, University of Oklahoma

NDIIPP: Framing a National Preservation and Access Strategy for Geospatial Data,
Library of Congress, 12-13 November 2009
Graduate Program in Geographically-Integrated History

[Internships]

M.A. in Historical Resources Management

Ph.D. in Social and Environmental Dynamics

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Ethics of Collaboration
http://idahostate.academia.edu/JBJackOwens

- Research infrastructure in History
- What is necessary to encourage collaboration in a discipline characterized by solitary research and publication?
- Shared, distributed data
- Joint publication of results
  - Who writes?
  - First author?
  - Author order?
  - Dissent?
Future Uses of Current Data Sources
Thank you for listening

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