

Information and Core Data 1

- Participants: PM, JL, PG, HG, PS, CH, GA, RB, DN

What are the types of core data sets needed to address ecological problems? (1)

- Population: disaggregated census data
 - Make Census NSF-RDC data more accessible
 - Population movement/migration
- Health: expand HANES data to more diseases, better spatial scales
 - Make more useable: cyber infrastructure
- Disease vectors: collect on more vectors

What are the types of core data sets needed to address ecological problems? (2)

- County assessor parcel data: make other SS data sets available at this scale
 - Preserve confidentiality
- House sales/prices (Board of Realtors)
- Quality of life indicators
- Ecosystem service values

What are the types of core data sets needed to address ecological problems? (3)

- Economic impacts of the ecosystem
 - Jobs created/jobs lost (LEHD)
 - Economic impacts of regulation/management
 - PUMS data
- Recreation: focus on environment-related recreation vs. tourism
- Cars: auto registration
 - Traffic?
- Consumption: use commercial marketing data, postal deliveries

What are the types of core data sets needed to address ecological problems? (4)

- Regulation and management: data on zoning laws, planning requirements, etc.
- LU/LC
 - Remote sensing at night: energy use
- Human perceptions and values of the environment
 - Regional surveys: PASS (Phoenix)

Data management and archival systems

- Cyber-infrastructure to make different data sets more accessible
 - Data mining of existing data
 - Use existing data, bring to same spatial resolution (fine-scale)
 - Develop new technologies and methods that prevent individual identification
- Value of spatially-gridded data
 - But preserve it in original format too

Other issues

- How data is used in decision-making and science?
- Who uses the data, are new networks of people being created? (scientists and policymakers, ss and ns, etc.)
 - Will people use the data properly?
- Create a robust data set around the sites; that will attract social scientists (where the data is the scientist will go)
- Converting archival data into usable data