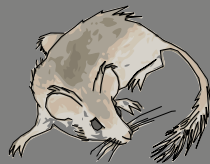


CONNECTED DATA STANDARDS FOR INTERDISCIPLINARY SCIENCE PALEON, NEOTOMA, THROUGHPUT

Simon Goring, Stephen Richard, Jack Williams, Andria Dawson



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON



EARTH CUBE
TRANSFORMING GEOSCIENCES RESEARCH



RELATED PRESENTATIONS

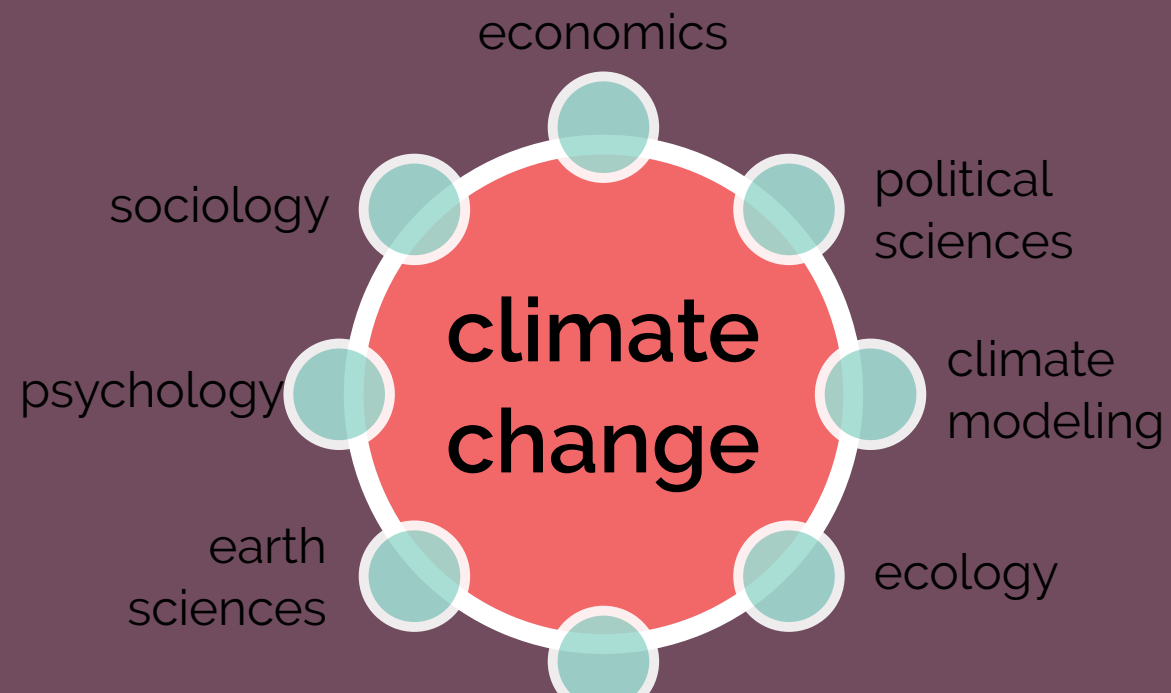
- **IN33C Posters:**

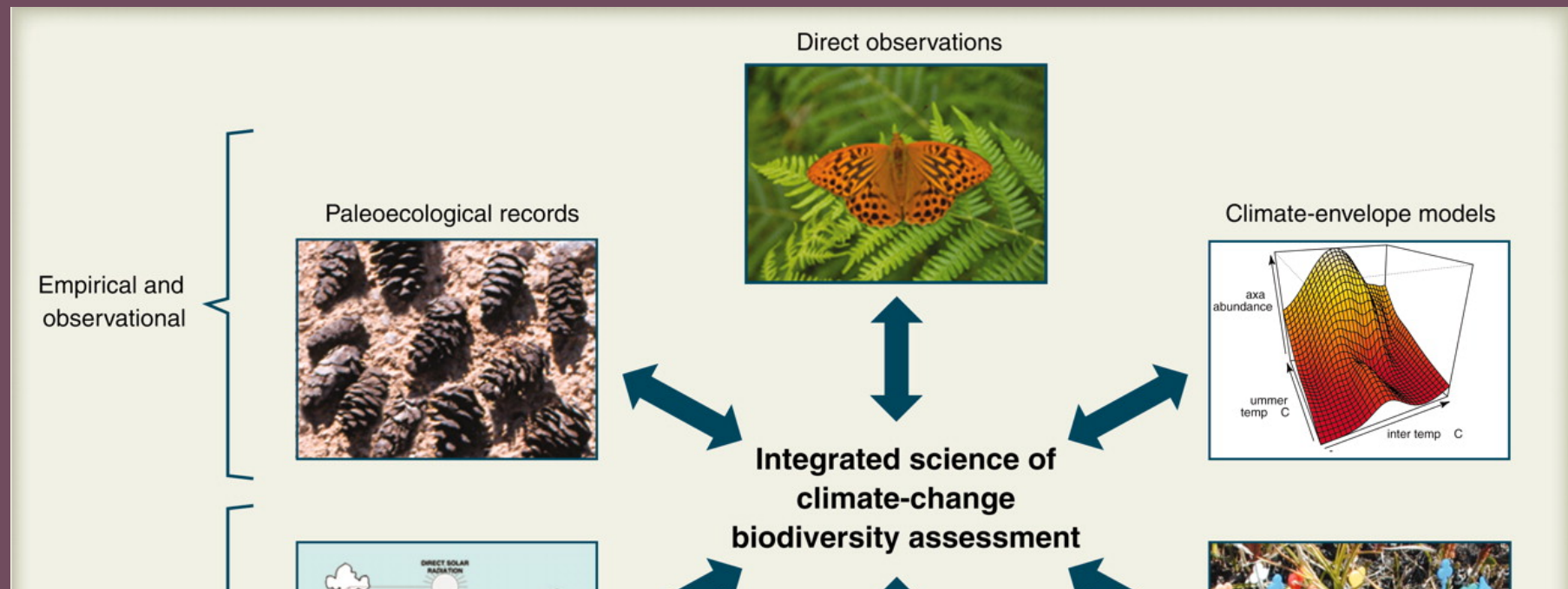
Facilitating Interdisciplinary Geosciences by Limiting Data Friction: Approaches and Outcomes - Wednesday, 13 December 2017 @ 13:40 - 18:00

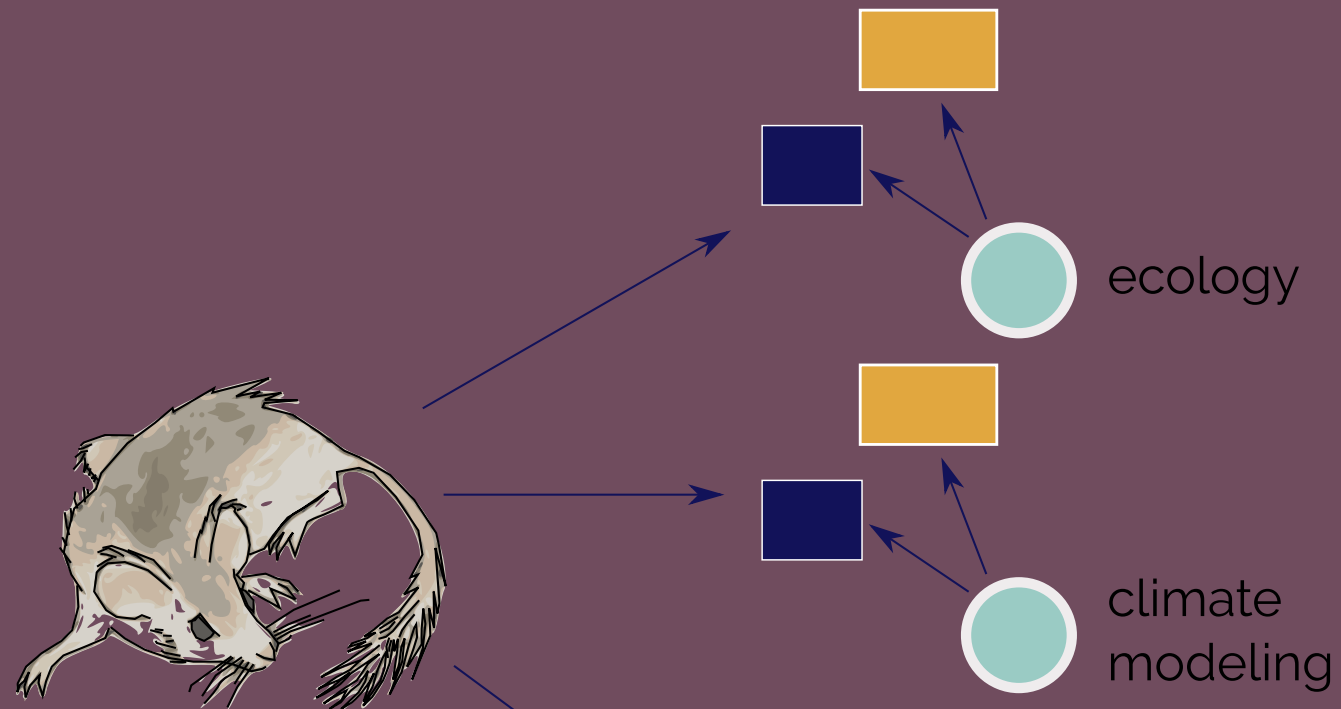
- **EarthCube TownHall**

- **PalEON and Neotoma (Dawson)**

DATA FRICTION IS A
"TIME-TO-SCIENCE" PROBLEM



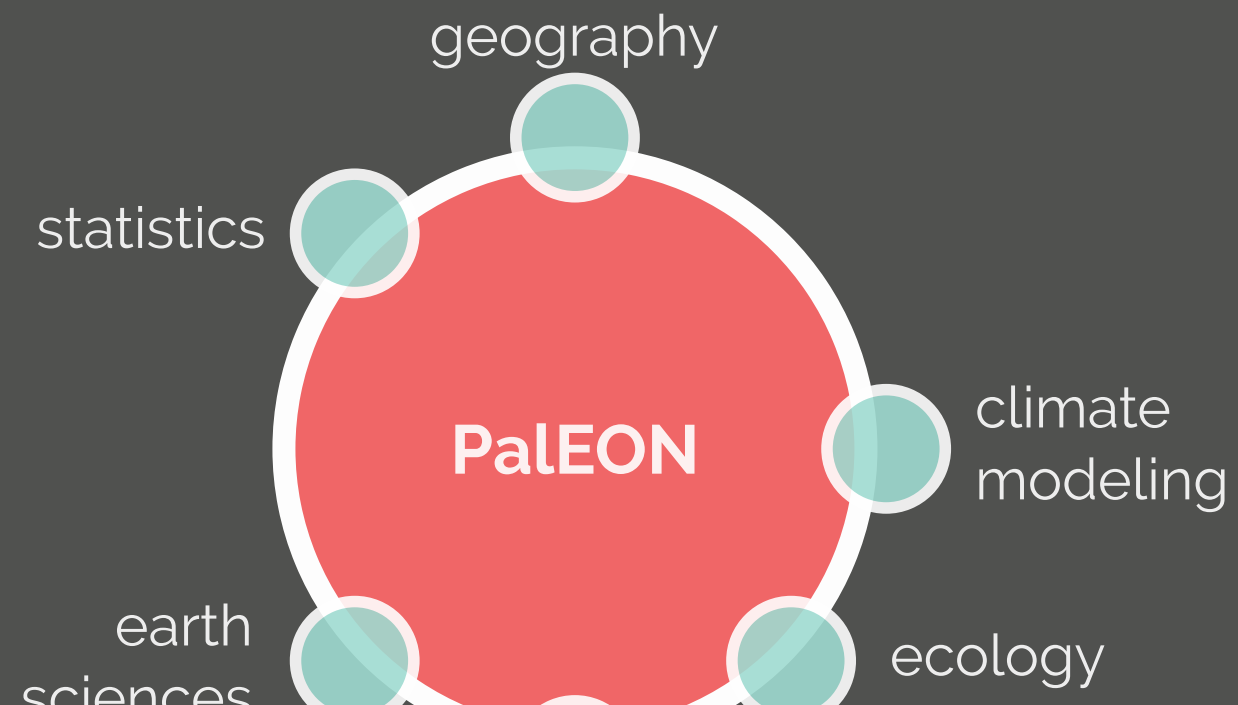




```
<resource xsi:schemaLocation="http://datacite.org/schema/kernel-3 http://schema.datacite.org/meta/kernel-3/metadata.xsd">
  <identifier identifierType="DOI">doi:10.21233/N3159G</identifier>
  <creators>
    <creator>
      <creatorName>Gajewski, Konrad J.</creatorName>
      <affiliation>Laboratory for Paleoclimatology and Climatology, Department of Geography University of Ottawa, Ottawa, Ontario K1N 6N5, Canada</affiliation>
    </creator>
  </creators>
  <titles>
    <title xml:lang="en-us">15/1 pollen surface sample dataset</title>
  </titles>
  <publisher>Neotoma Paleoecological Database</publisher>
  <publicationYear>2017</publicationYear>
  <subjects>
    <subject subjectScheme="Library of Congress" schemeURI="http://id.loc.gov/authorities/subjects">Paleoecology</subject>
  </subjects>
  ...
  <geoLocations>
    <geoLocation>
      <geoLocationBox>55.0017 -75.25 55.0017 -75.25</geoLocationBox>
```


All recognize metadata's potential value, but when the rubber meets the road, an unfunded mandate to be altruistic . . . does not prove highly attractive. **Introduced in order to reduce data friction, metadata creates its own kind of friction.**

Edwards *et al.* 2011. *Social Studies of Science*



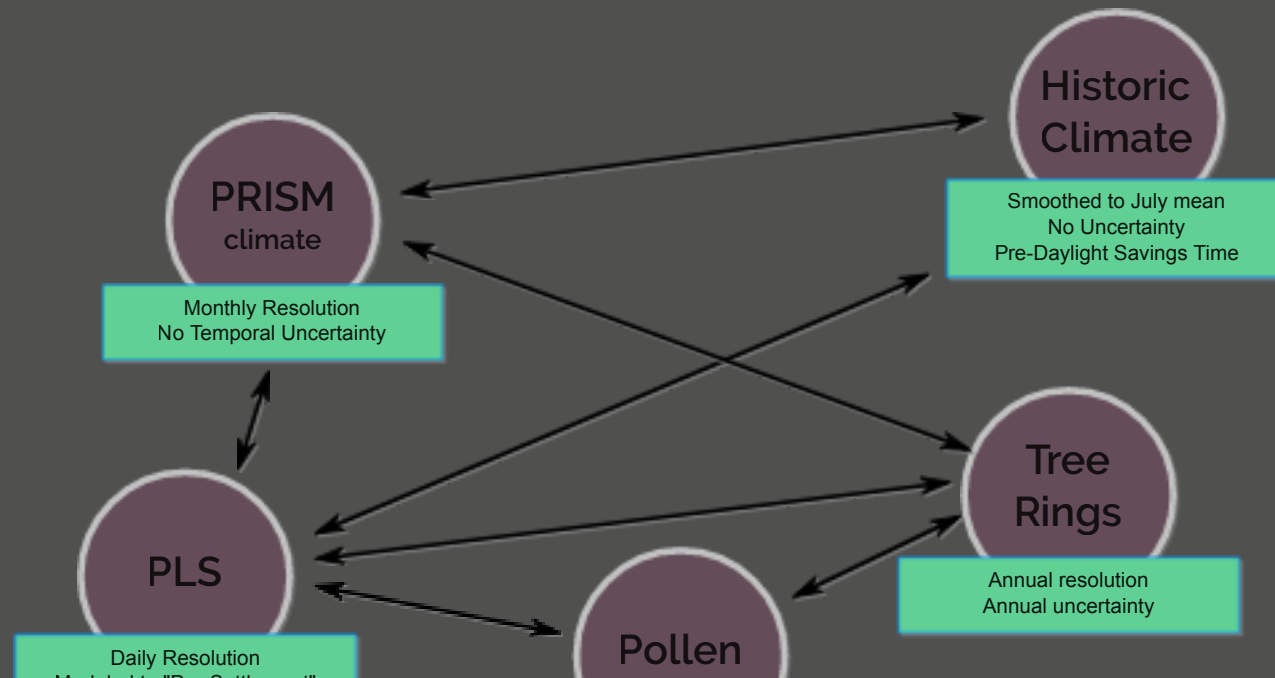
Varying Concepts of Time

Varying Provenance

Varying Spatial Representation

Varying Applications

CONCEPTS OF TIME VARY

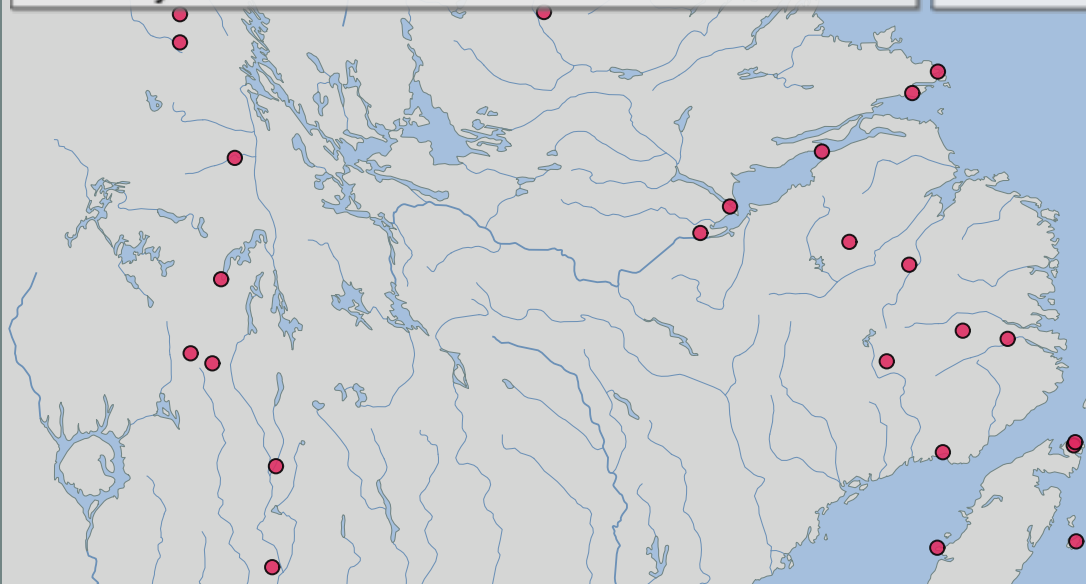


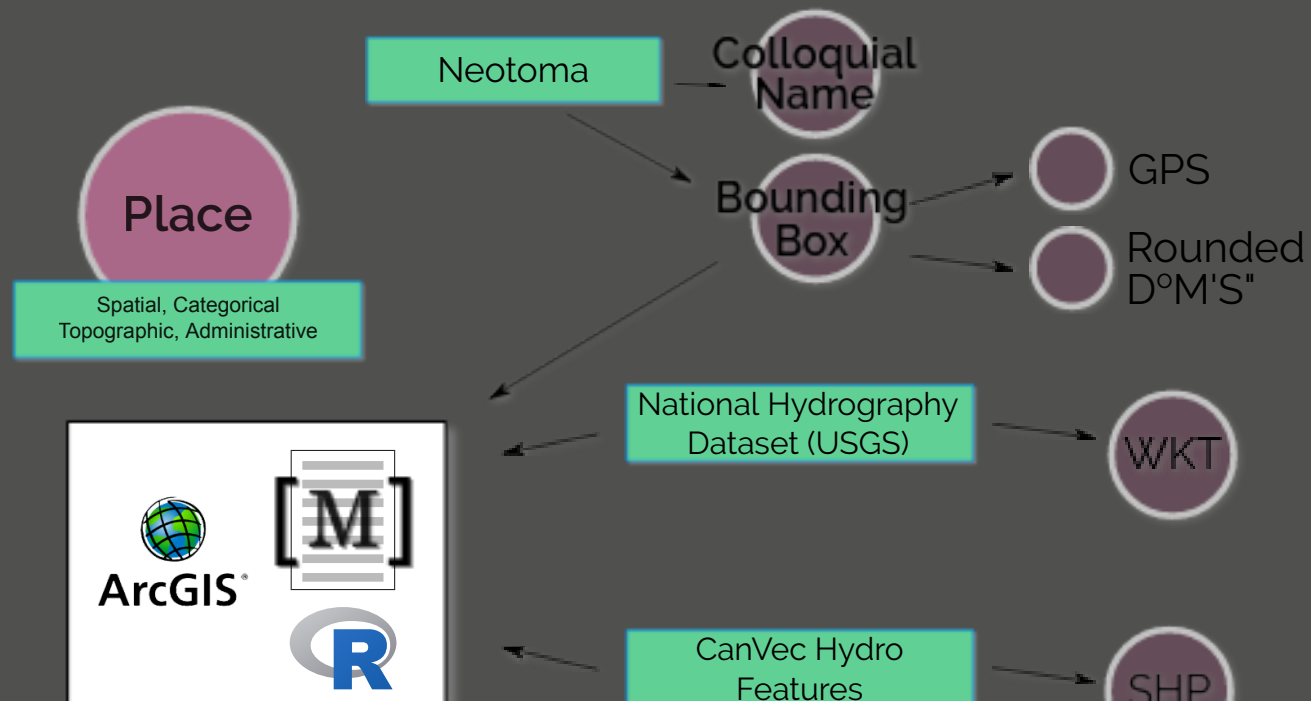
Neotoma Lake Sediment Records

Base Layers from Natural Earth

Legend

- Netoma Sedimentary Records





CONNECTING STANDARDS

