

Why build integrated geospatial-temporal databases?

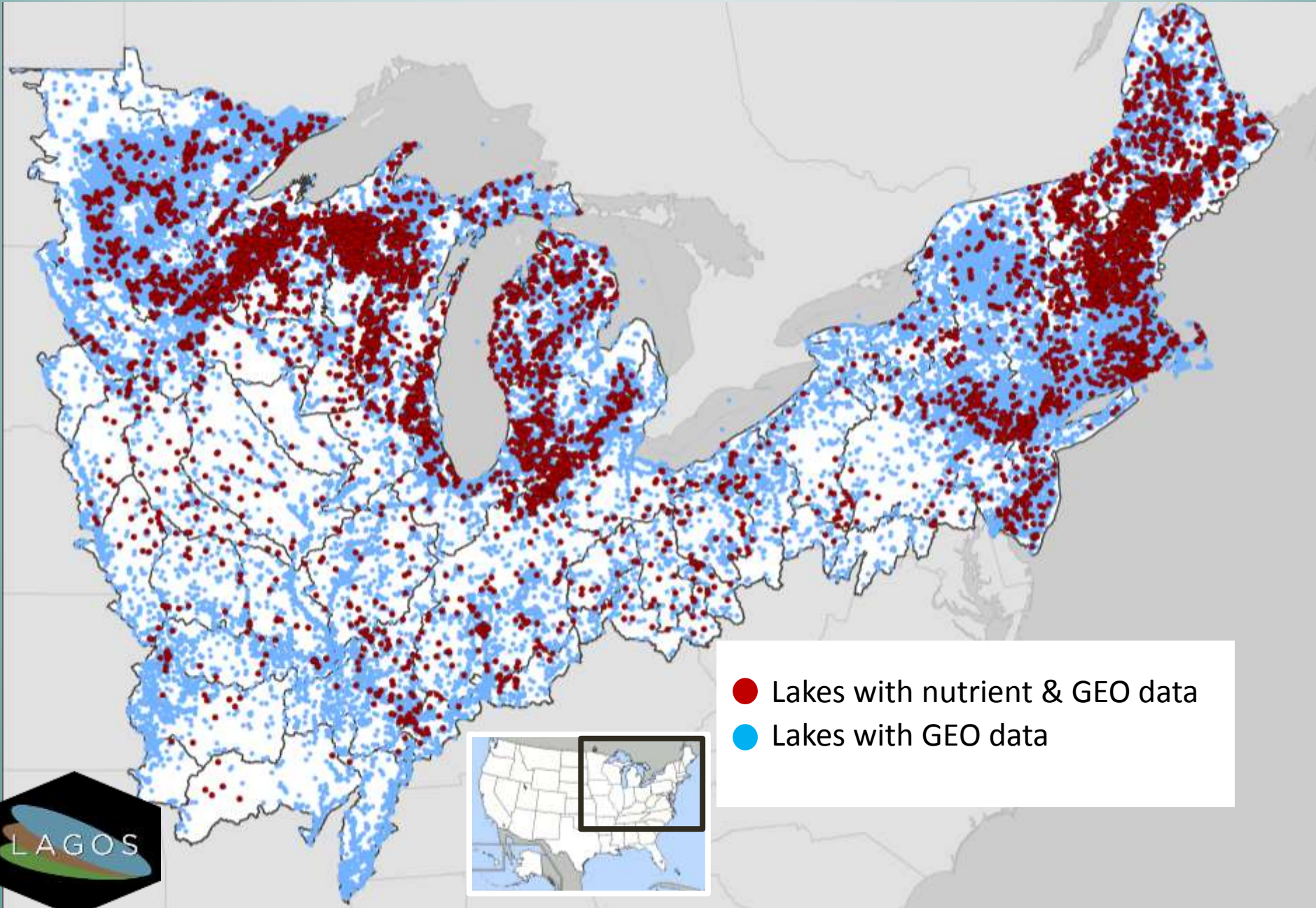
Increase scientific understanding of multi-scaled environmental changes such as:

- Land use
- Climate
- Atmospheric deposition

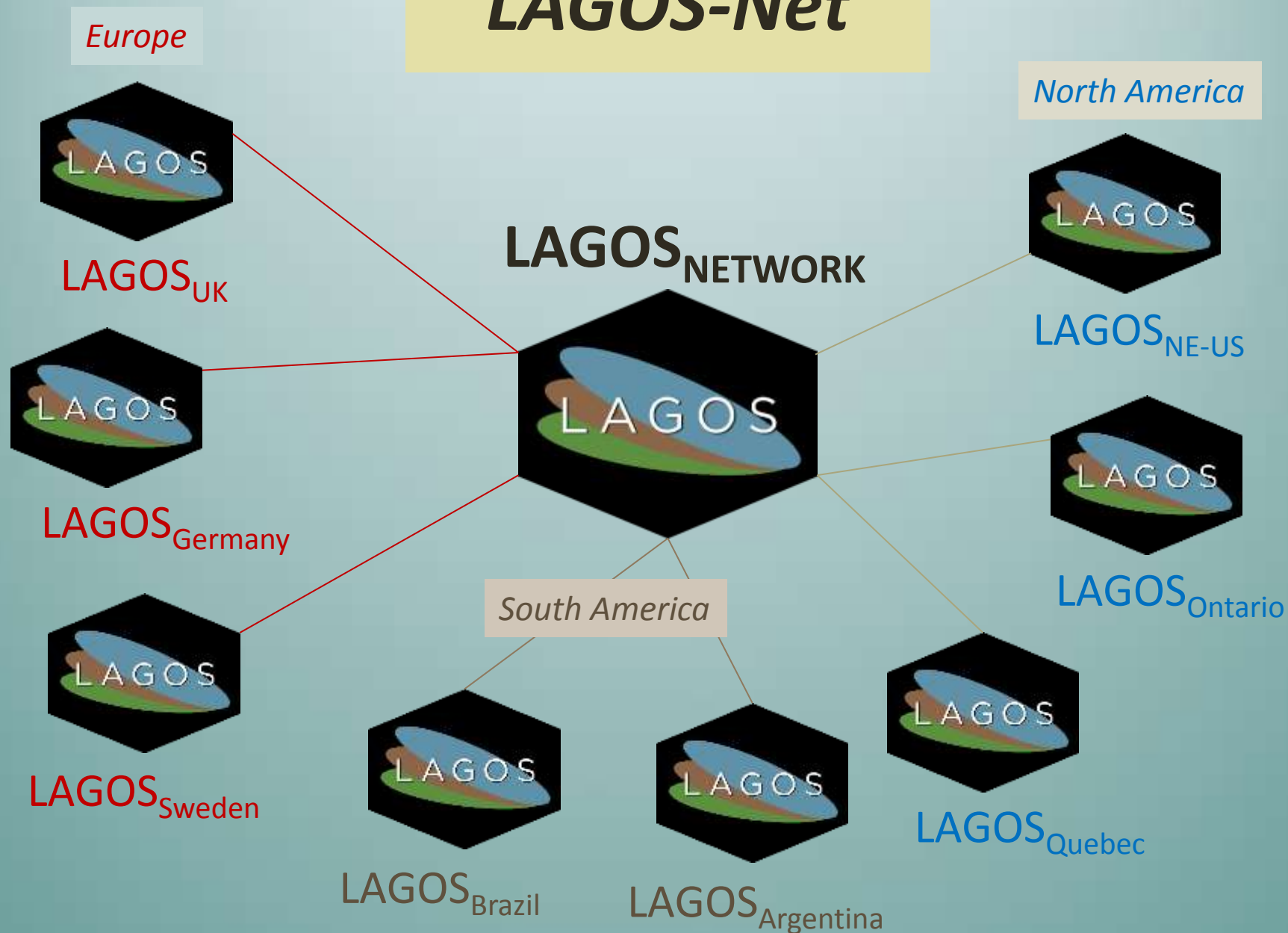


Credit: Thomas Kitchin & Vict / All Canada Photos / SuperStock

LAGOS – 50,000 lakes in 1.8 mil km²



Proposal: *LAGOS-Net*



Resources for building these DB for others:

- **Detailed technical documentation** – Soranno et al. in prep
 - DB design
 - QAQC procedures
 - Proposed standards for data harmonization
- **GIS toolbox for geospatial metrics** – Github *soon!!!!*
 - Delineating watersheds
 - Calculating freshwater connectivity metrics
 - Etc...
- **Policies for data sharing, authorship, etc...** - Cheruvelil et al. 2014, www.csilimno.org

Update

AD-HOC GROUP OUTCOMES (*~20 people*)

- Identified 6 potential nodes and node co-leaders
- Brainstormed: *research questions, partners, funding sources, structure of LAGOS-network*

NEXT STEPS

- Seek funding for LAGOS-network
- Potential node-leaders will make contacts about data, funding sources, partners

Creating integrated geospatial-temporal databases for broad-scale limnology



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