MyGeoHub: A geospatial science gateway for collaborative science

Carol Song, Ph.D.
Rosen Center for Advanced Computing

Purdue University



water hub









MyGeoHub:

Making it easy for non-geographic information system expert to access, use and share geospatial data free, on the web

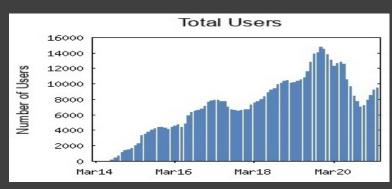
A web platform connected with powerful computing resources (campus, national)

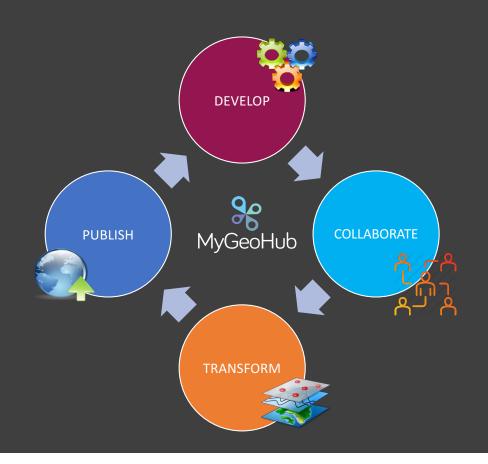
Specialize in supporting geospatial data (maps, location related data, data that has a geographic context e.g., earth surface elevation data,

Employ a "multi-tenant model" for project hosting – shared infrastructure cost

Support >10 funded projects + more

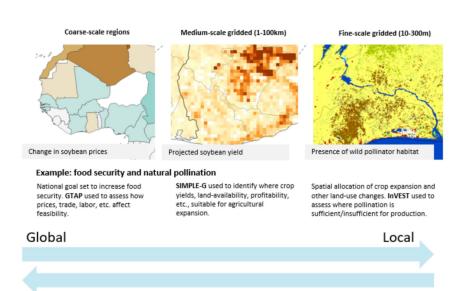
Annual users ~10,000







Meeting Sustainable Development Goals on a planet with limited land and water resources



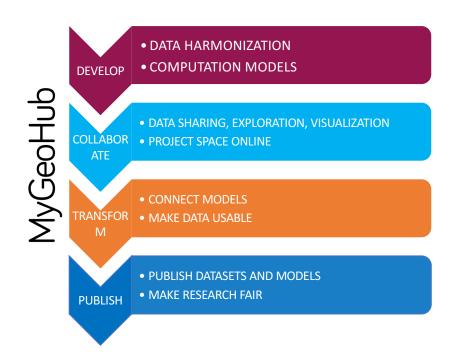
Gaps and Challenges

- Incomplete, inaccurate, and non-standard data on different scales
- Conceptual and scale-dependent modeling differences across disciplines
- Computational challenges
- Poor interoperability of data, models, and software
- Lack of institutional support and incentives for collaboration

Team includes 7 networks globally, from students to senior researchers, social scientists to physical scientists



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Contact: Carol Song, carolxsong@purdue.edu





Acknowledgements







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