

# Pragmatic, scalable aggregation of organismal interaction data

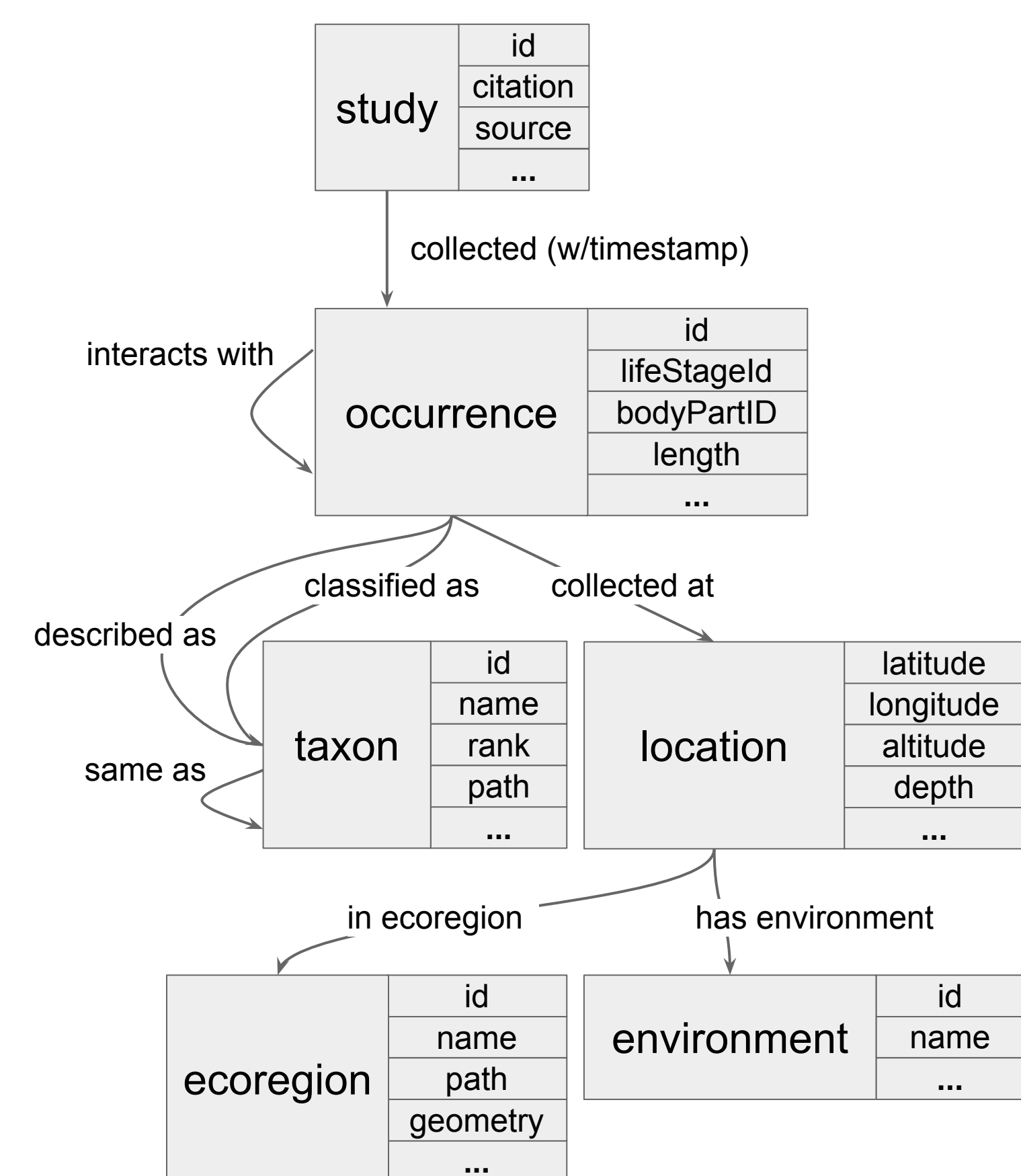
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<sup>1</sup>Global Biotic Interactions, Oakland, California, USA

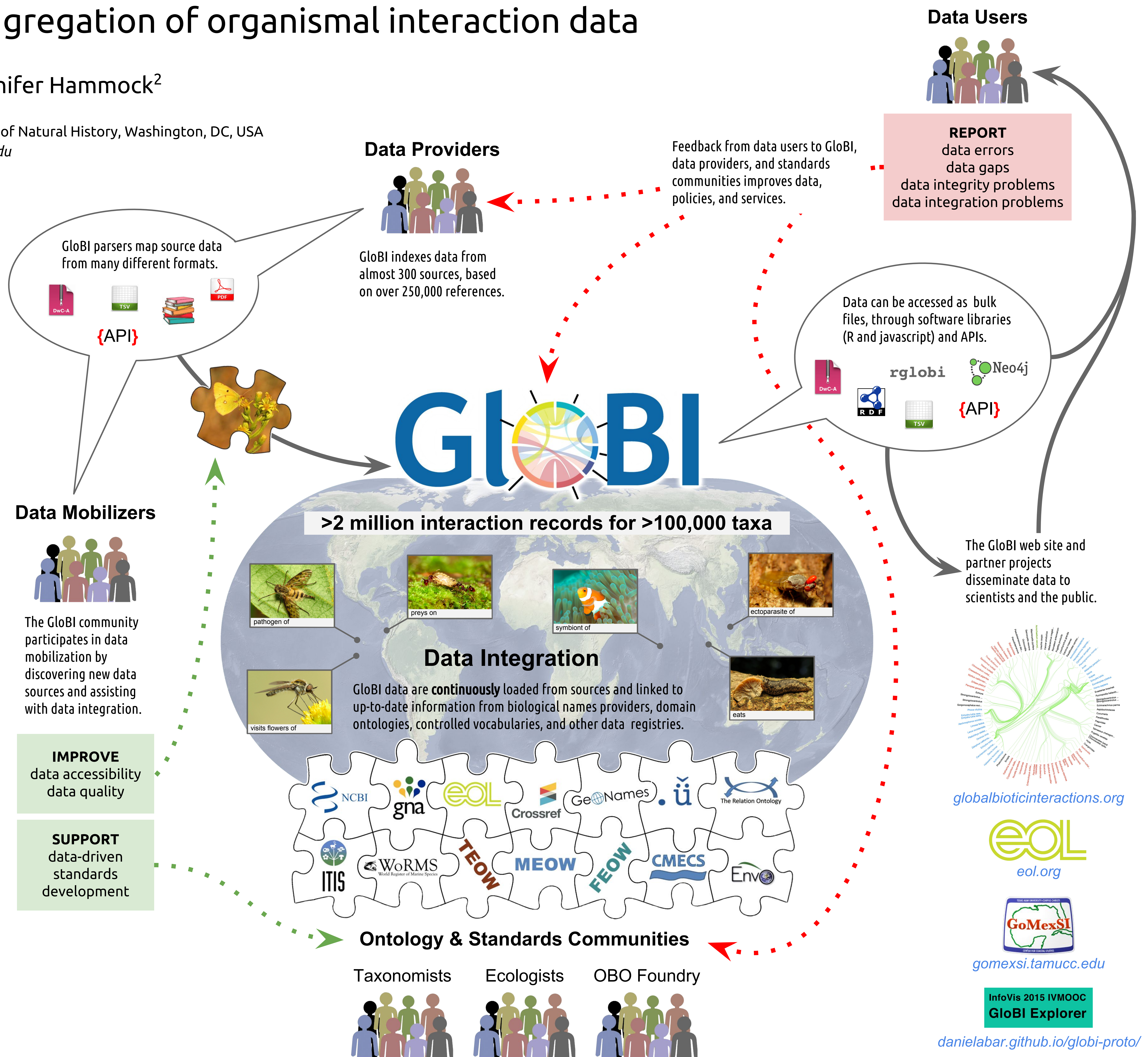
<sup>2</sup>Encyclopedia of Life, Smithsonian National Museum of Natural History, Washington, DC, USA  
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Large-scale ecological data sets are essential to enhance our understanding of biodiversity in a changing world. Yet, efforts to aggregate and harmonize ecological data at a global scale are still in their infancy.

Global Biotic Interactions (GloBI) builds an extensible, open-source infrastructure for the dynamic integration and sharing of species interaction data. GloBI acts as a catalyst for connecting previously siloed communities through the data they share. This approach helps to improve the resilience, quality, and diversity of the data ecosystem as a whole.



GloBI interaction data are modeled in terms of study, occurrence, taxon, and location concepts. The location has an additional relation to ecoregions and environments to facilitate spatial searches. The data model is flexible and easily accommodates novel data and metadata types uncovered by evolving aggregation strategies.



## Data Mobilizers

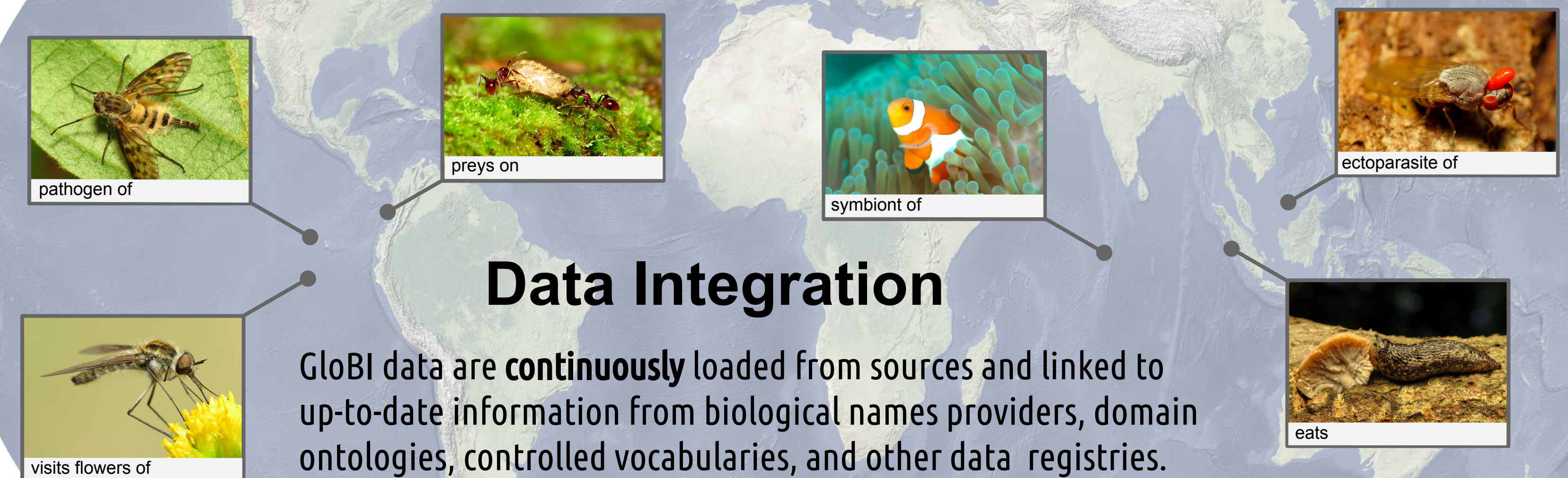


The GloBI community participates in data mobilization by discovering new data sources and assisting with data integration.

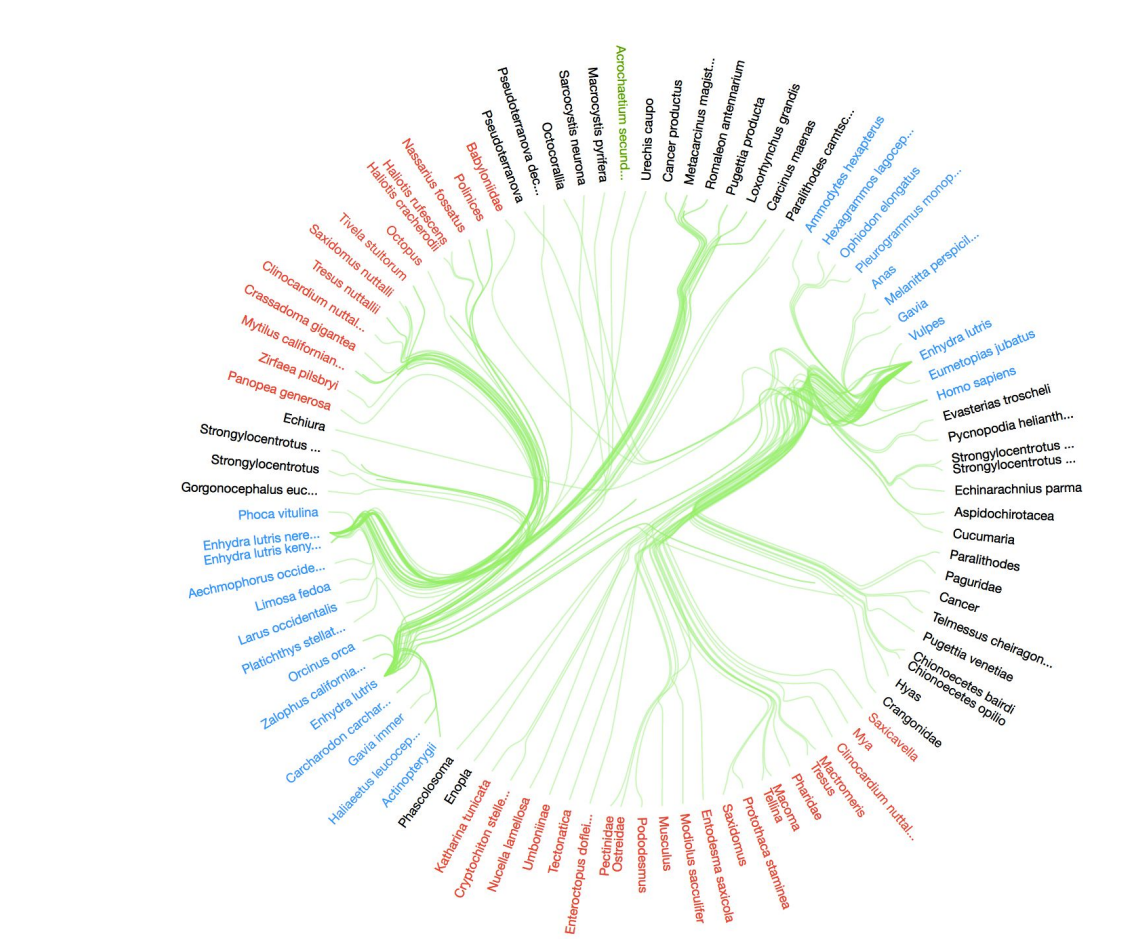
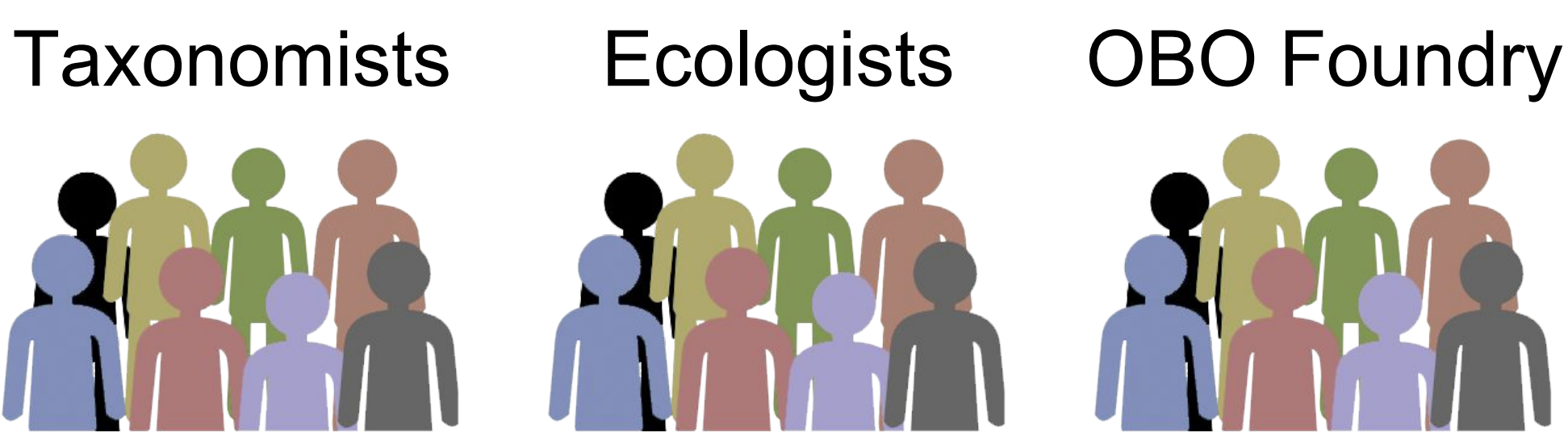
**IMPROVE**  
data accessibility  
data quality

**SUPPORT**  
data-driven  
standards  
development

>2 million interaction records for >100,000 taxa



## Ontology & Standards Communities



globalbioticinteractions.org



gomexsi.tamucc.edu



danielabar.github.io/globi-proto/