



# GBIF Today and Tomorrow

*Donald Hobern, GBIF Executive Secretary*

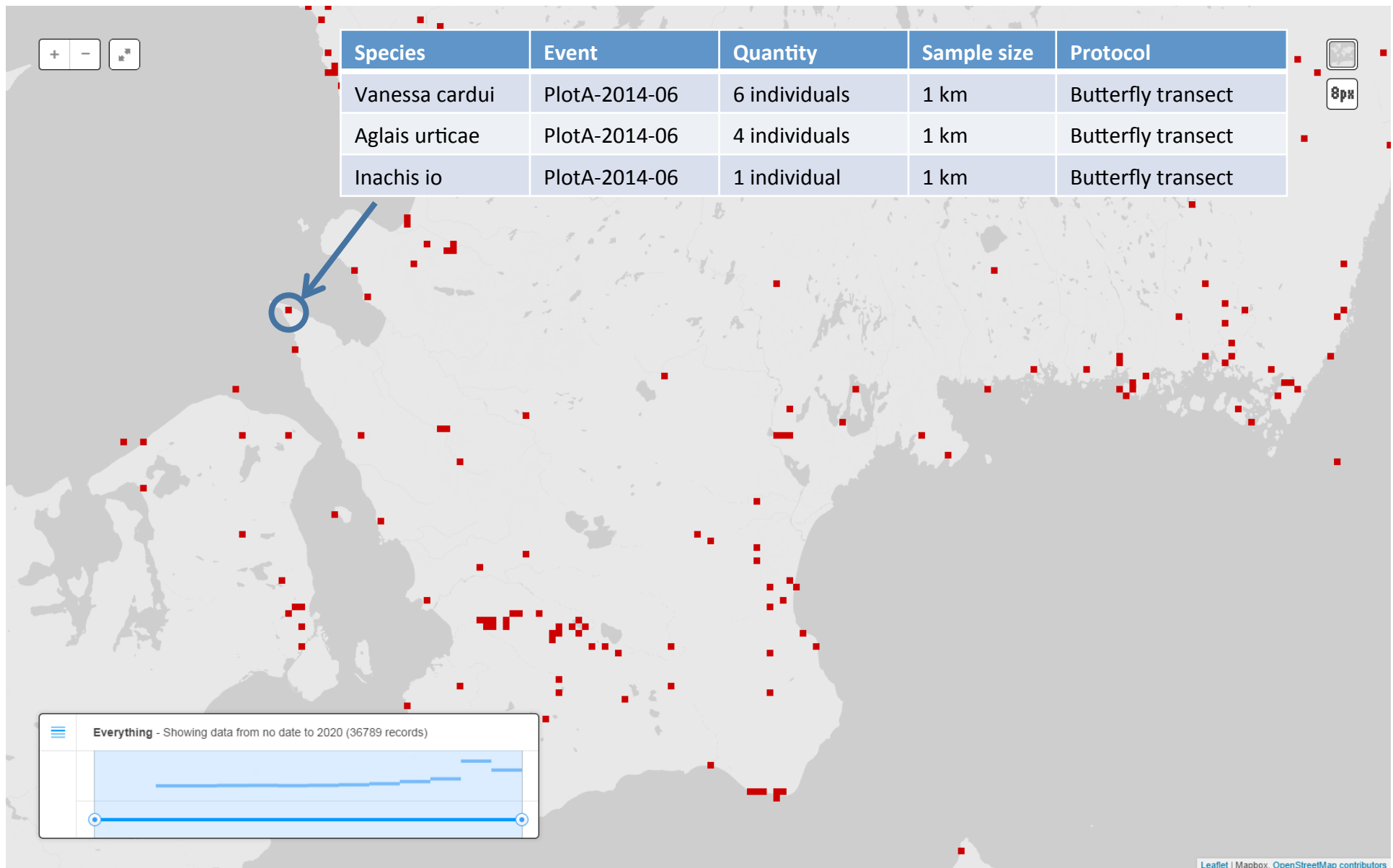
*Science Symposium, New Delhi, India, 17 September 2014*

## CONCERN – PRESCENCE-ONLY DATA

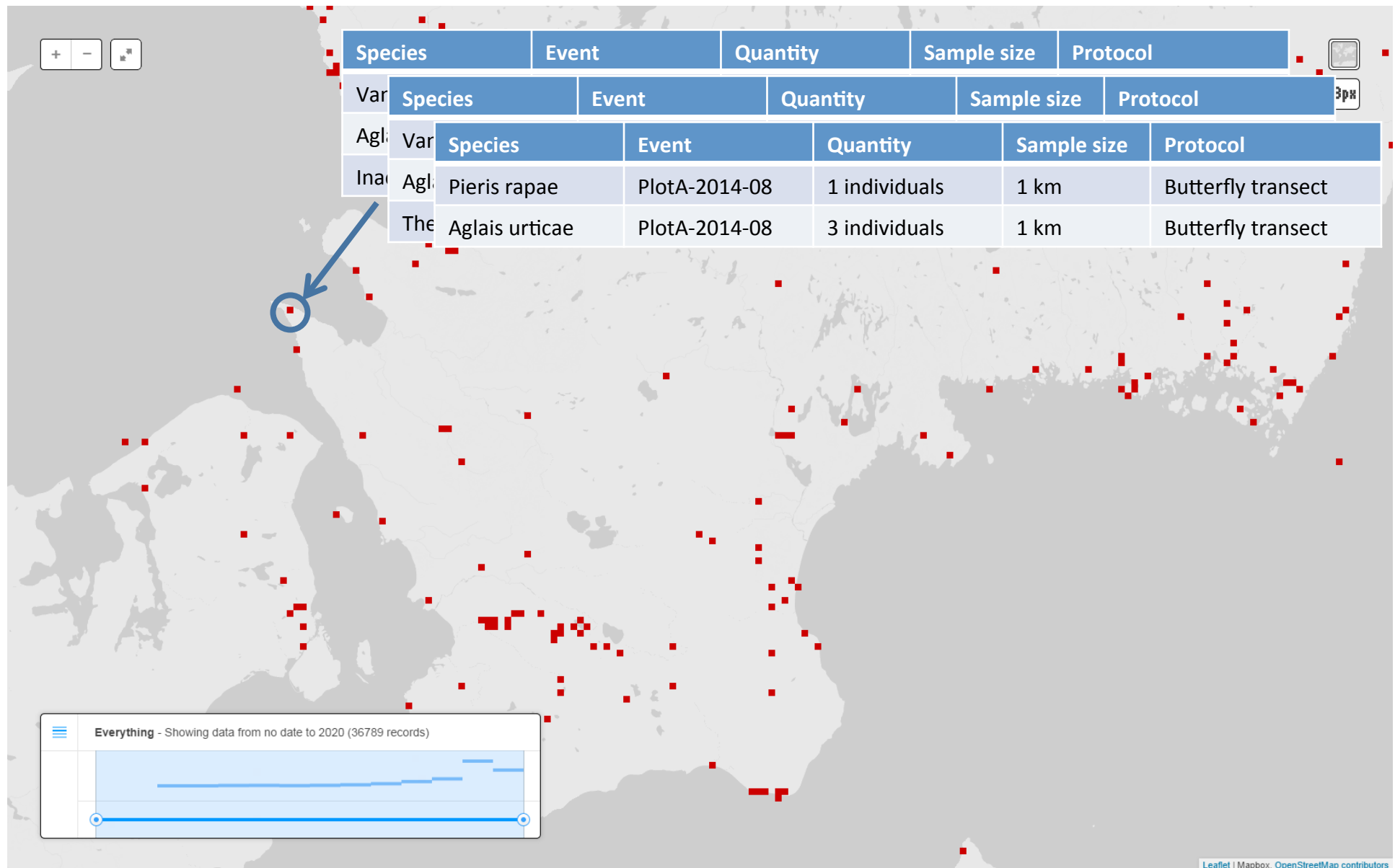
To monitor biodiversity trends, we need more than just presence data



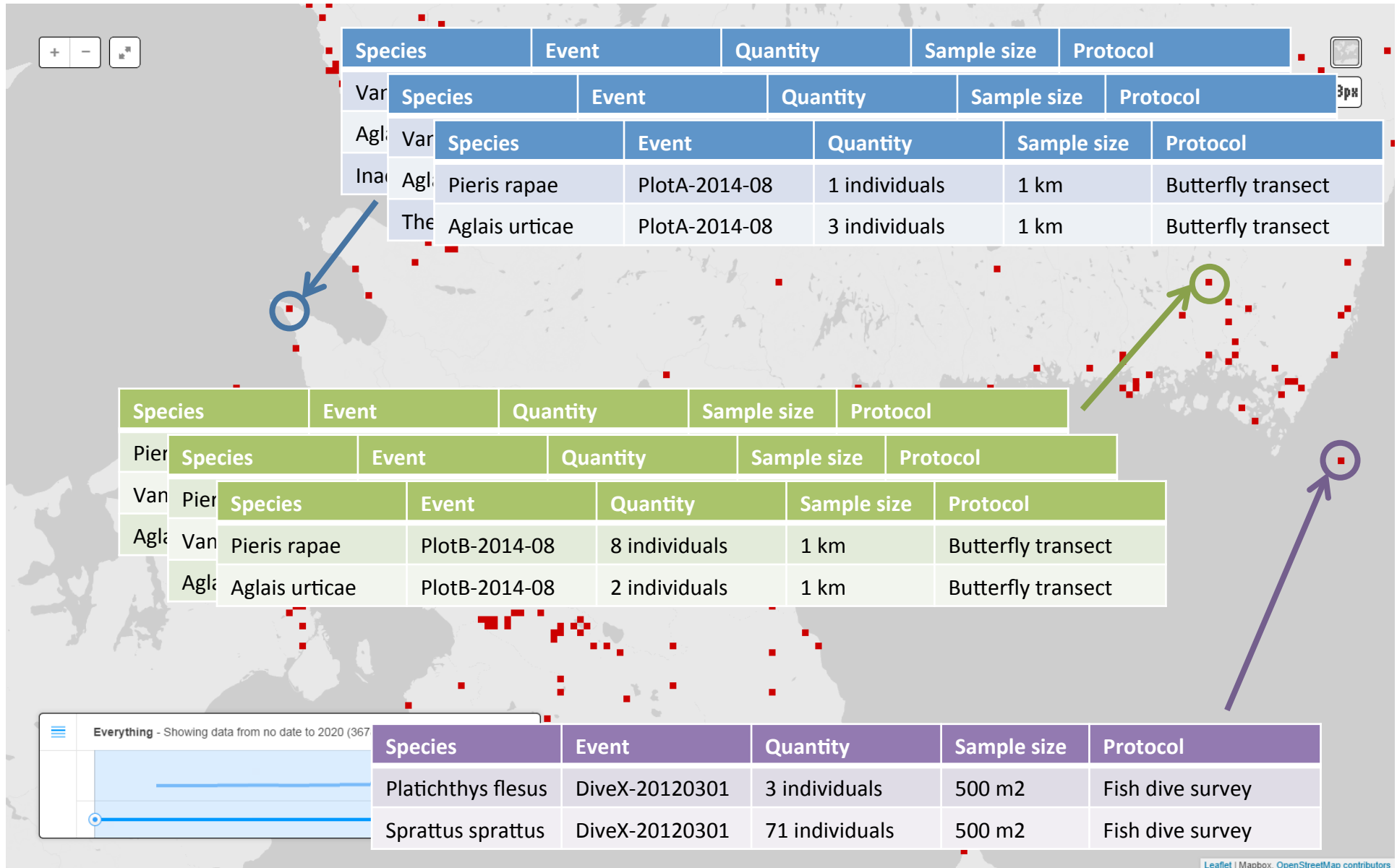
# EXTENDING GBIF FOR SAMPLE-BASED DATA



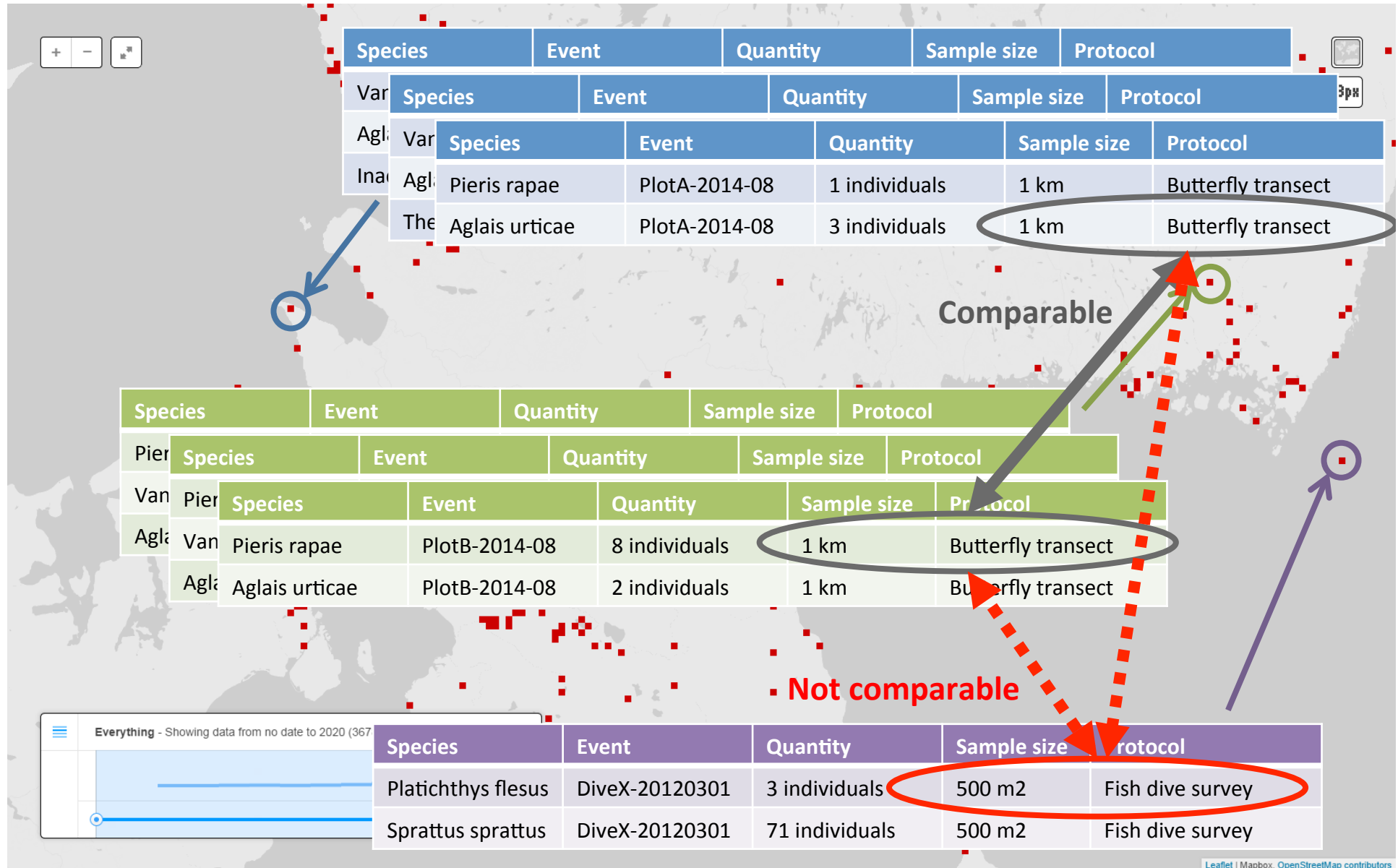
# EXTENDING GBIF FOR SAMPLE-BASED DATA



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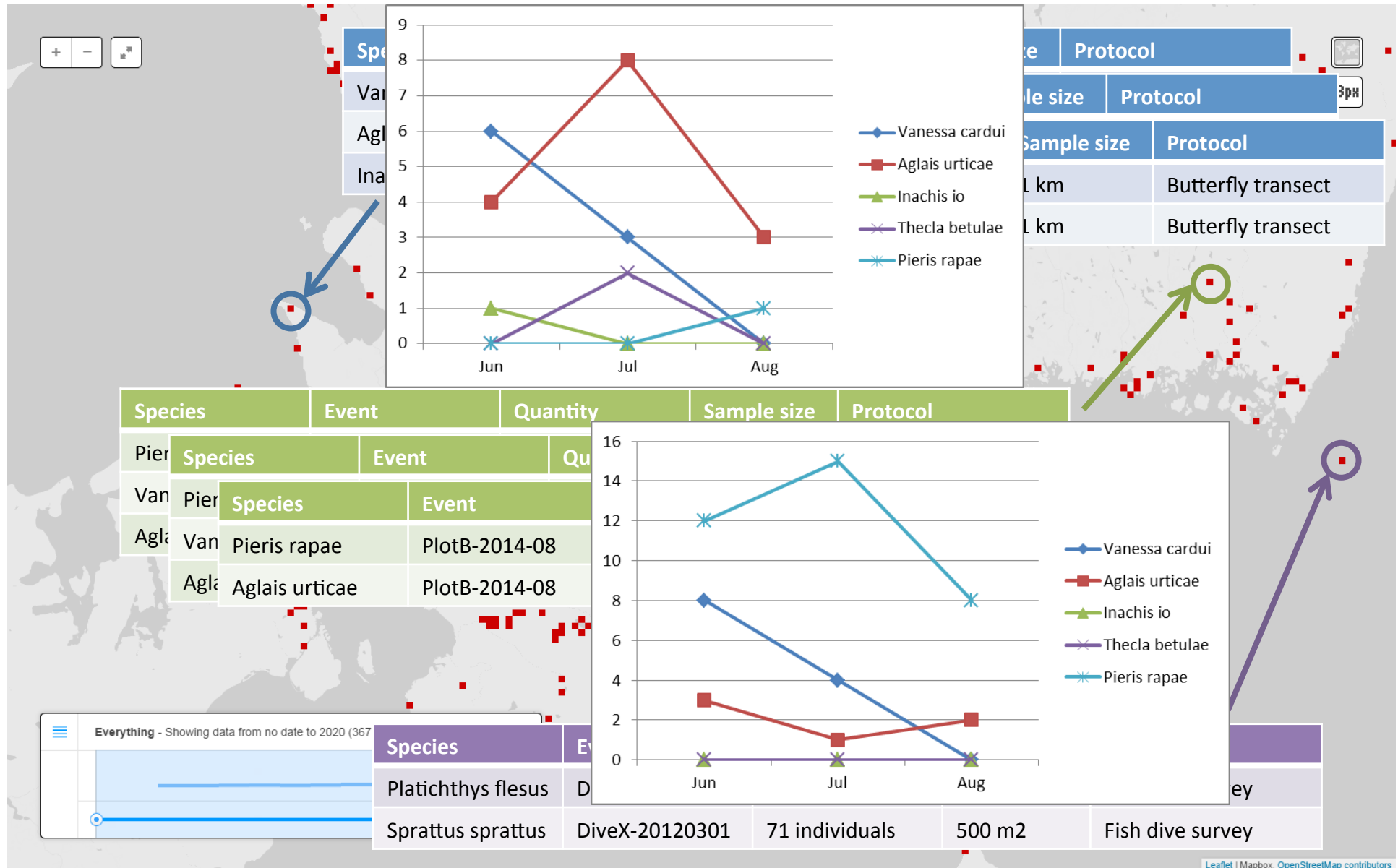


# EXTENDING GBIF FOR SAMPLE-BASED DATA





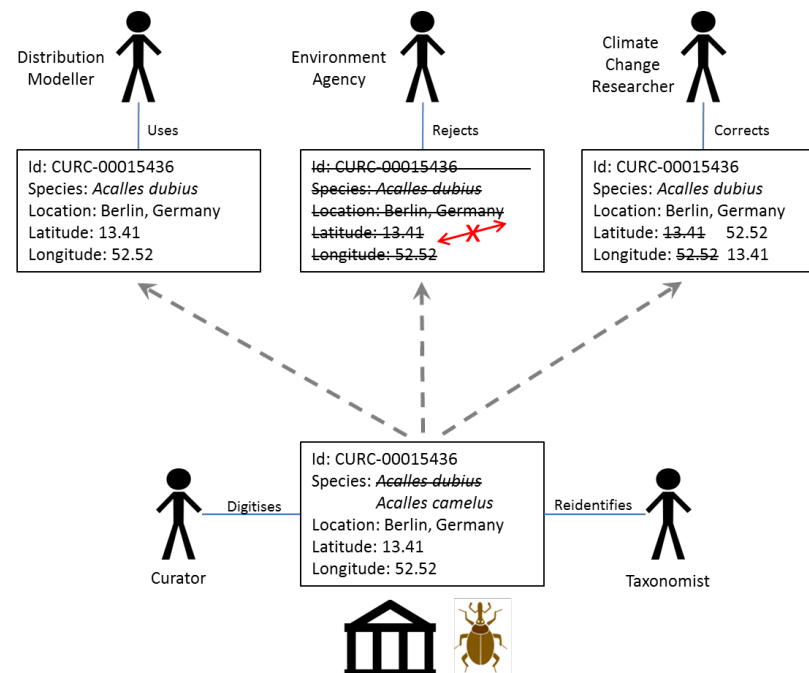
# EXTENDING GBIF FOR SAMPLE-BASED DATA



# CONCERN – DISCONNECTED DATA

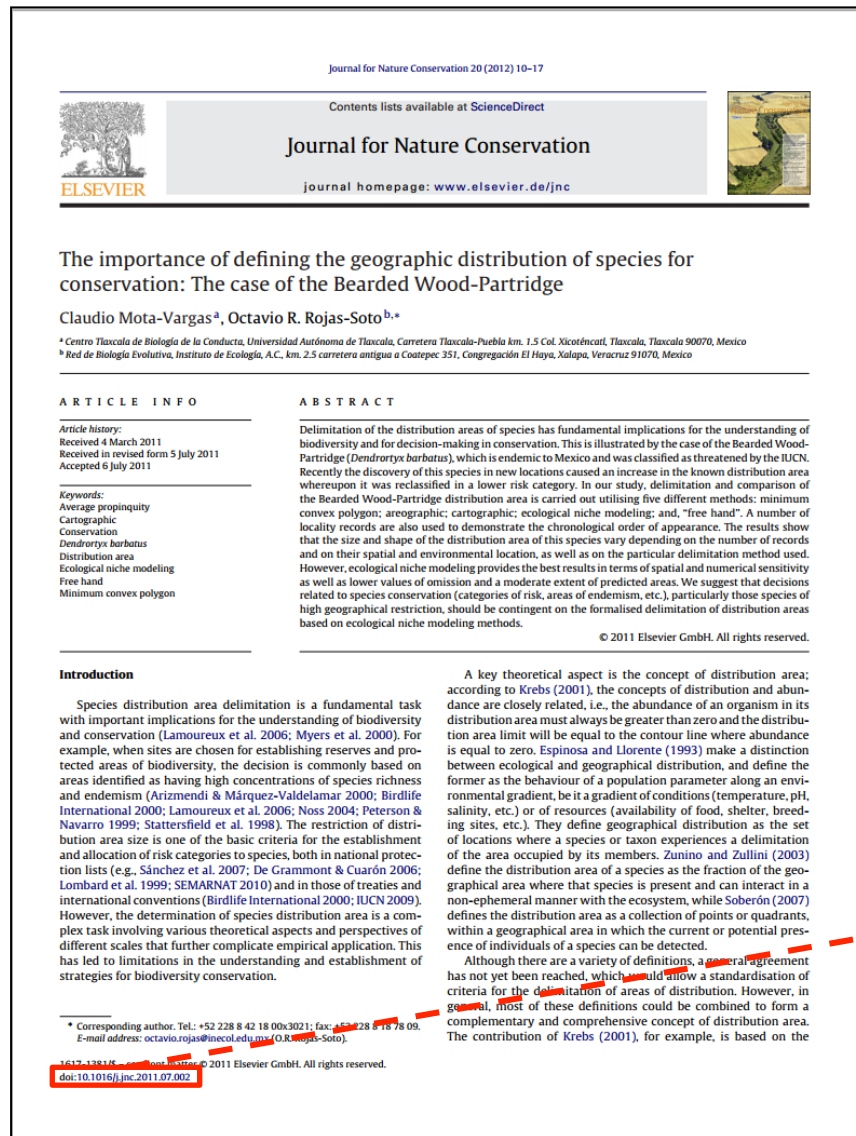
It is hard for data publishers to know how their data have been used

Researchers can't fix problems with data





# GBIF AND DIGITAL OBJECT IDENTIFIERS



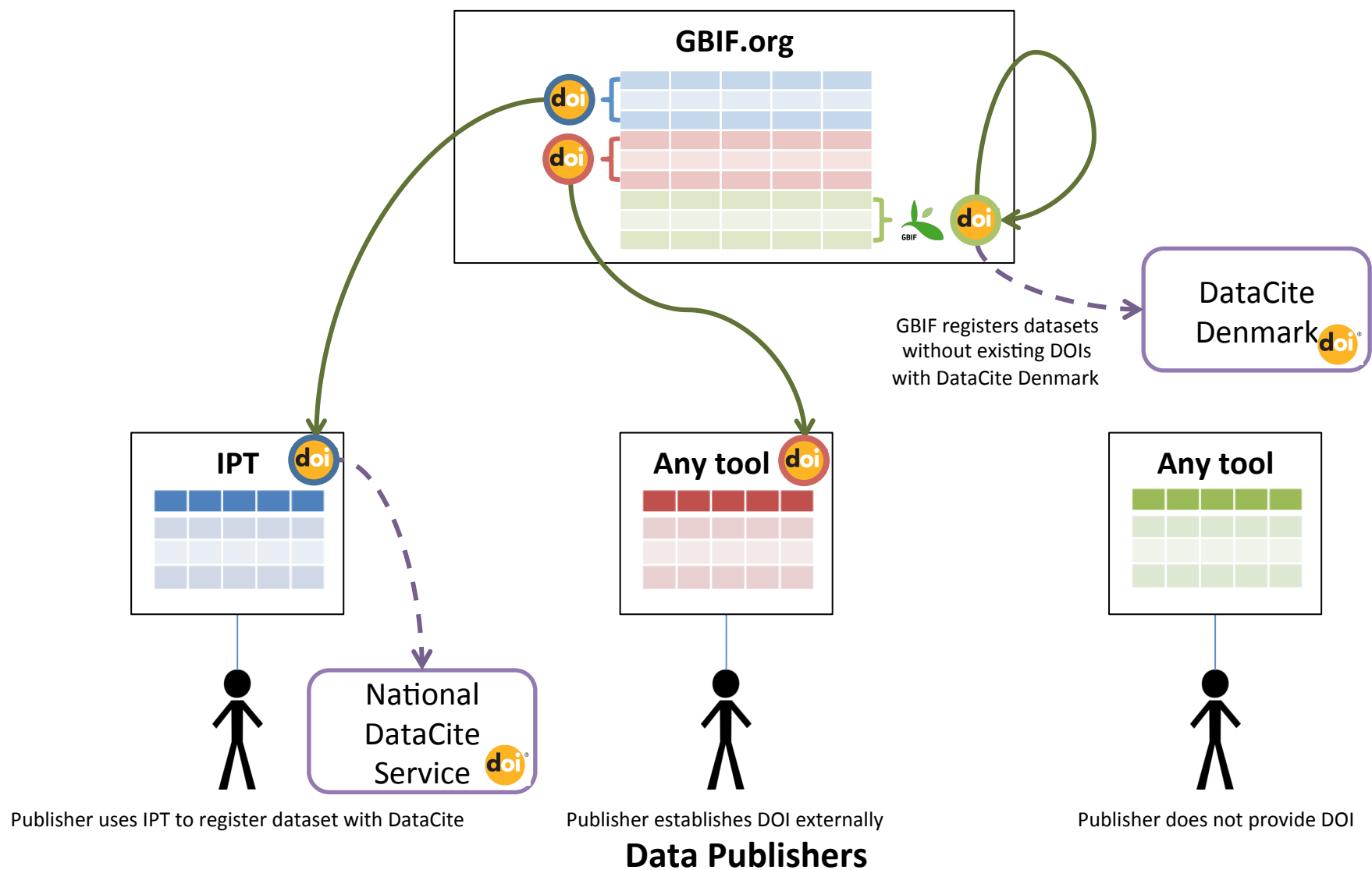
## DOI – Digital Object Identifier

- Persistent resolvable identifiers
- Standard for published papers
- Simplify citing references
- Used in measuring impact

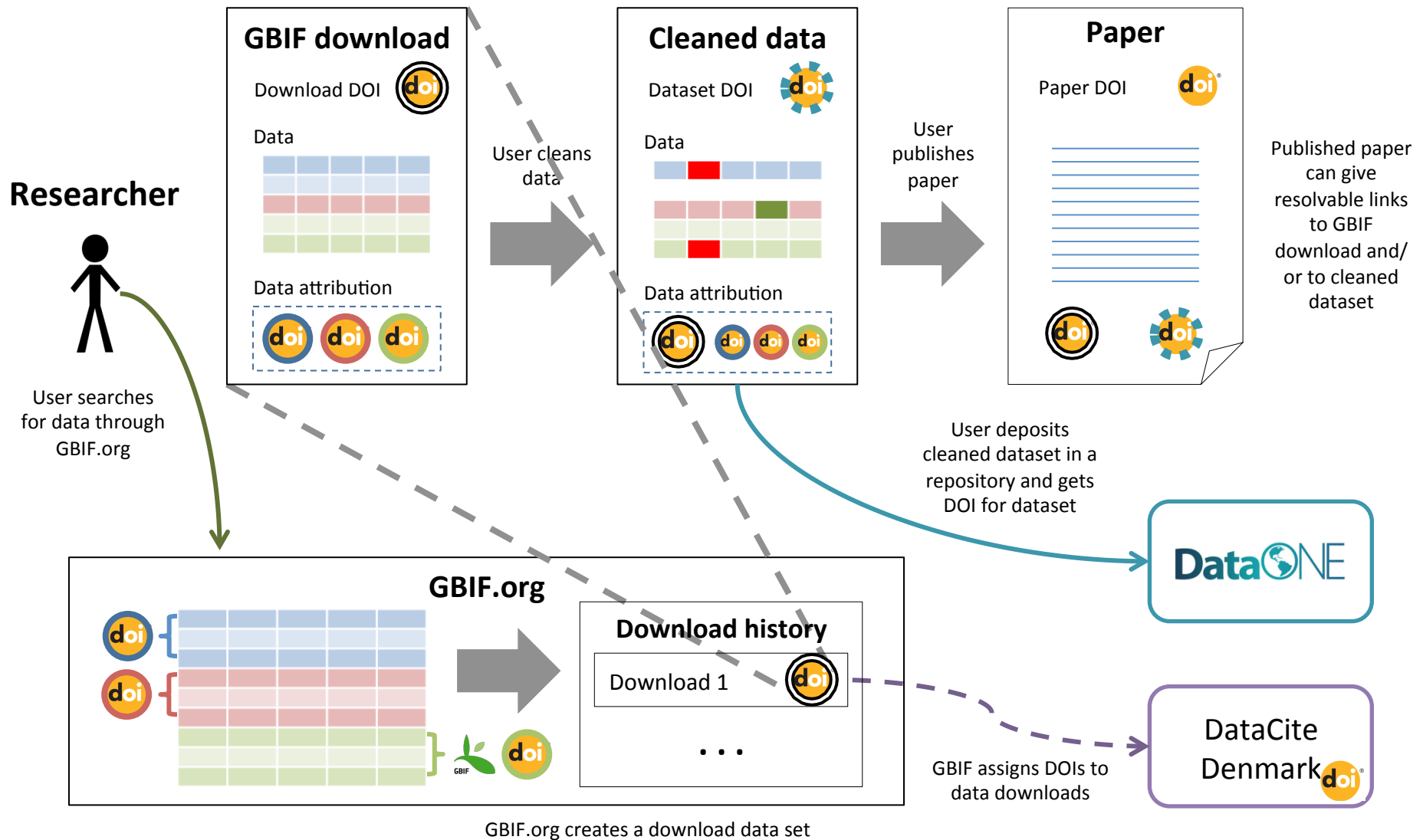
doi:10.1016/j.jnc.2011.07.002



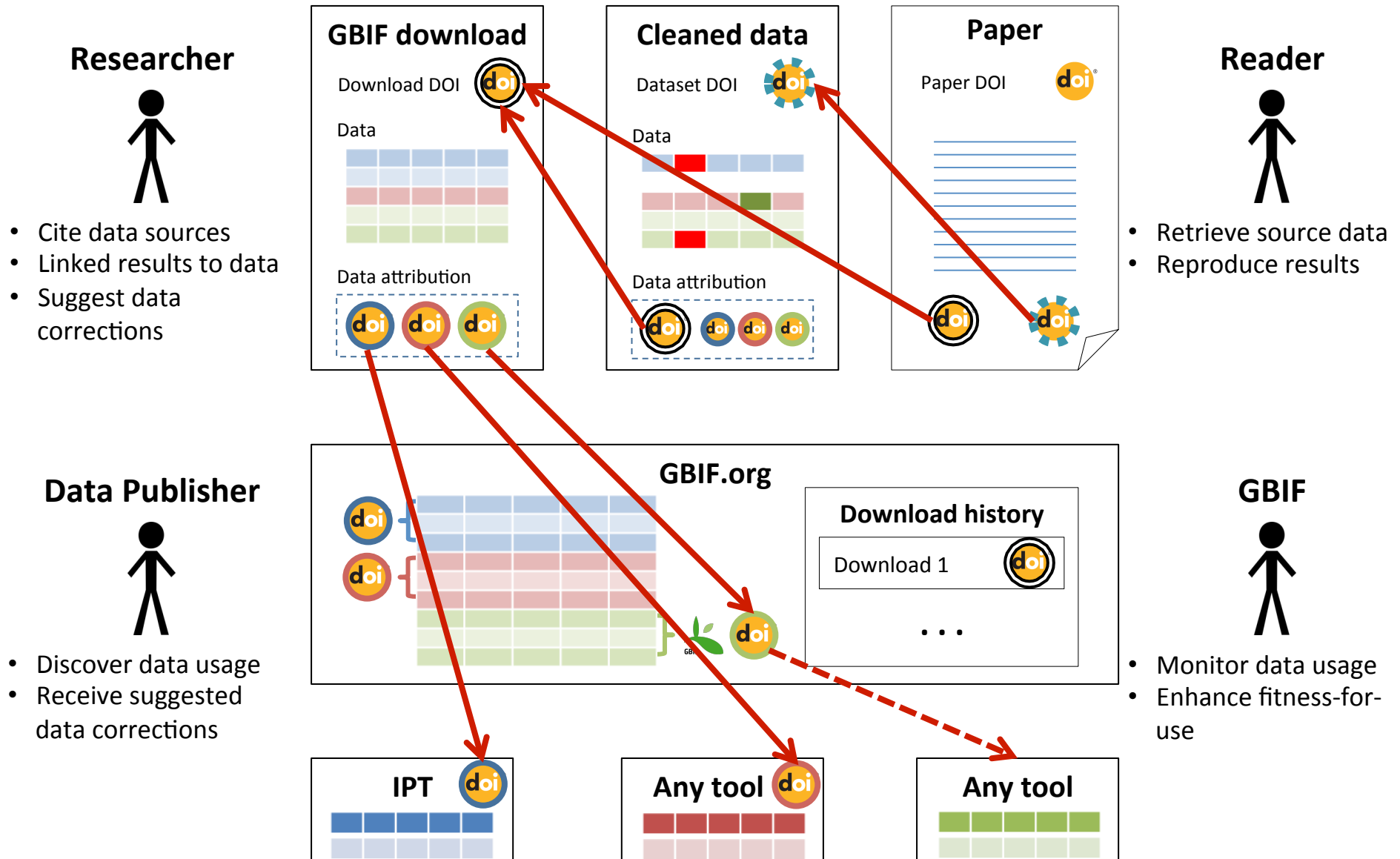
# GBIF AND DIGITAL OBJECT IDENTIFIERS



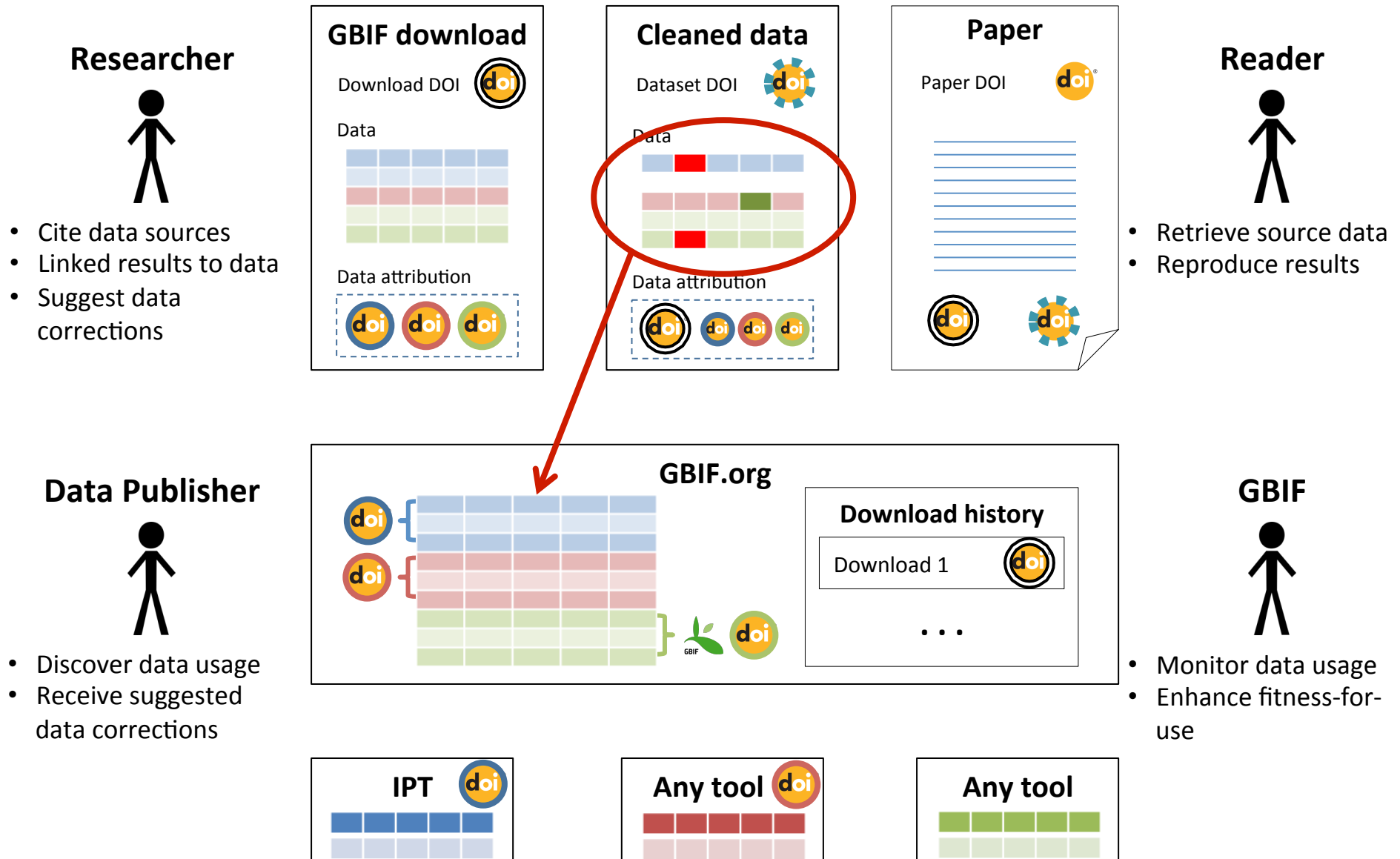
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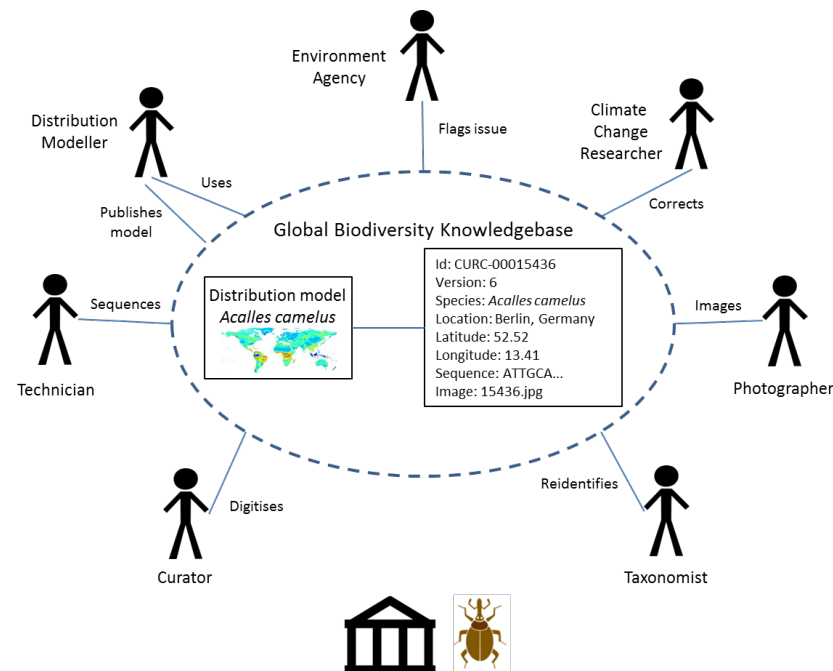


# GBIF AND DIGITAL OBJECT IDENTIFIERS



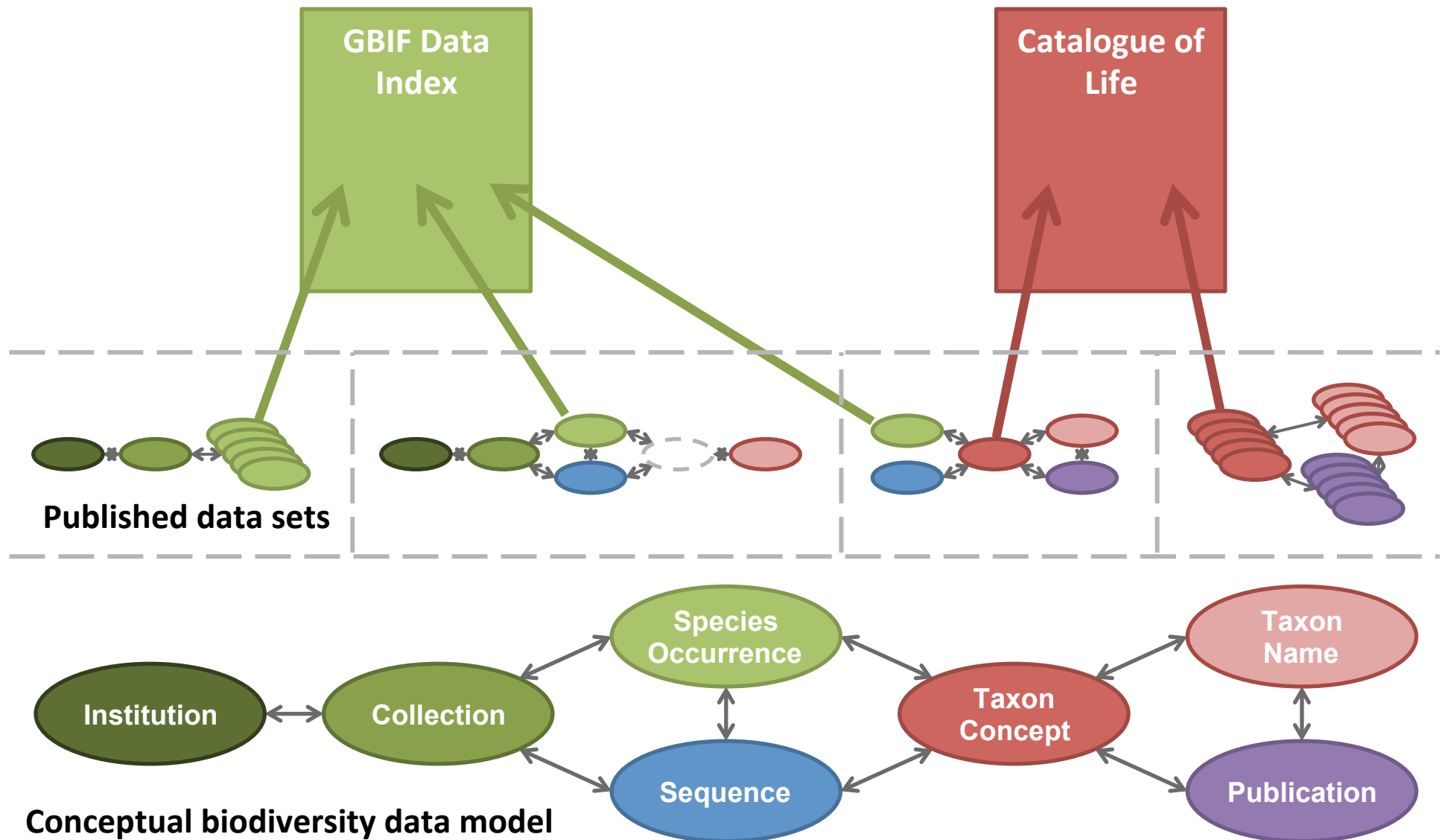
# CONCERN – FITNESS-FOR-USE

GBIF does not yet make use of all relevant expert knowledge to improve data

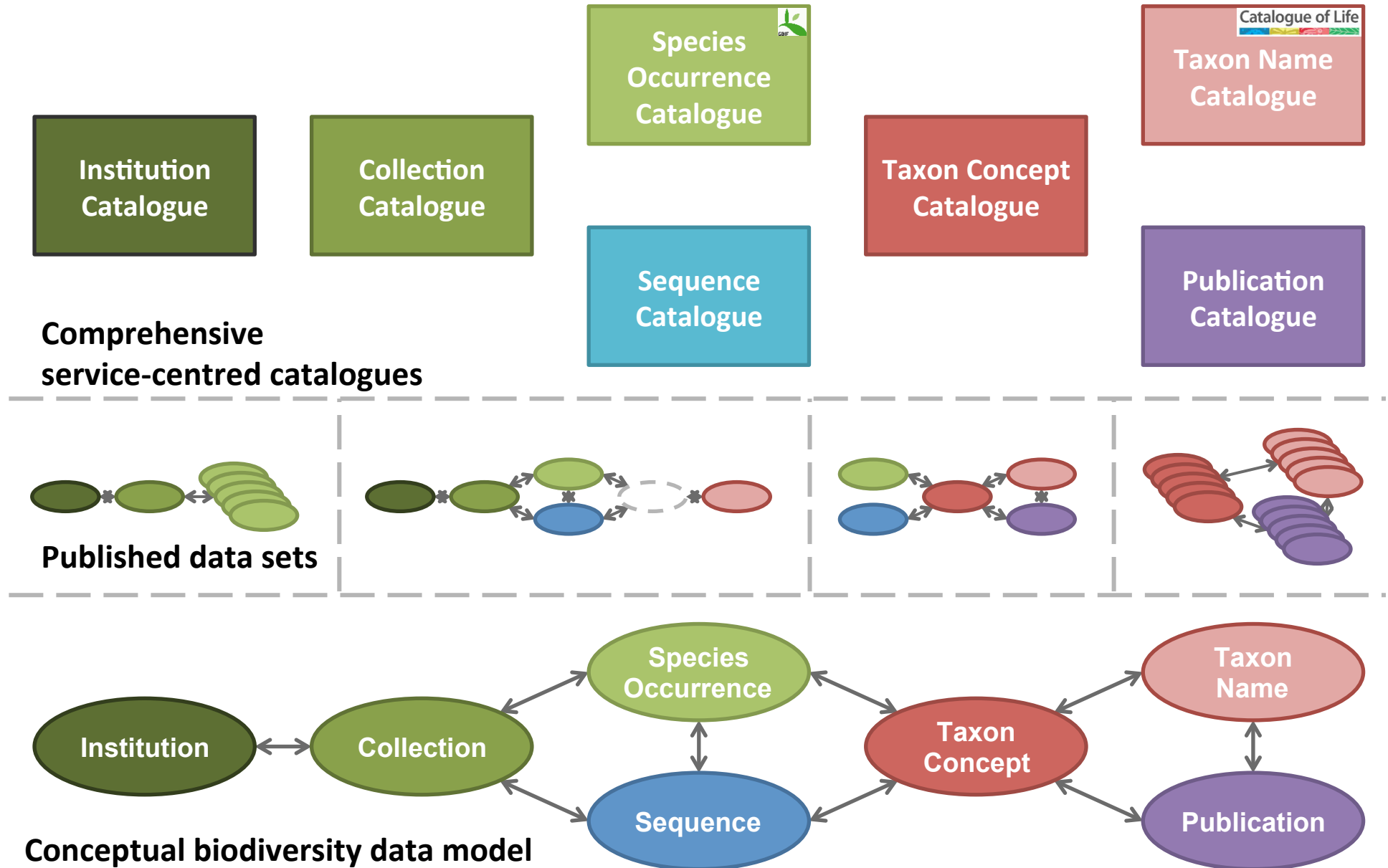




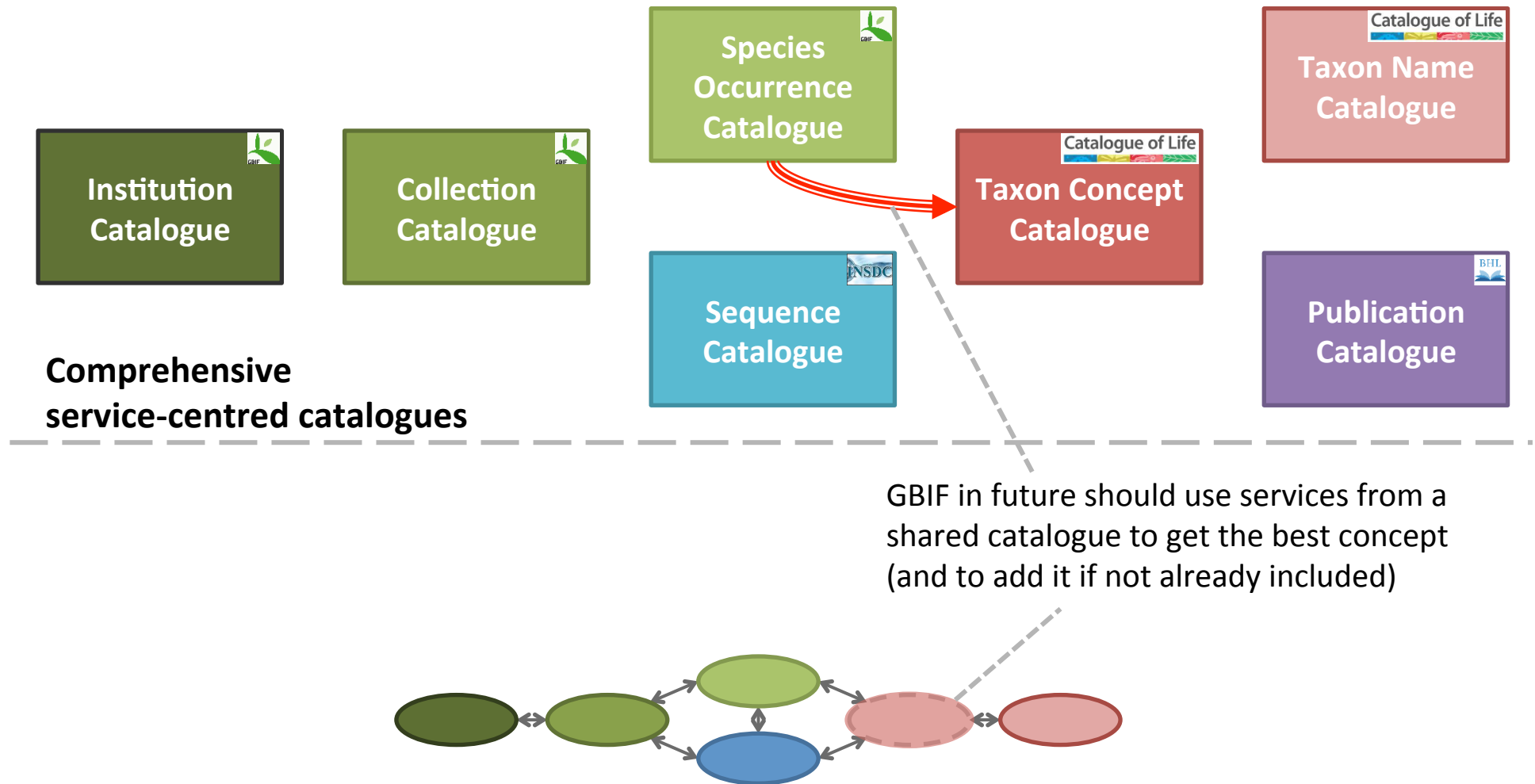
# GBIF AND GLOBALLY CONNECTED DATA



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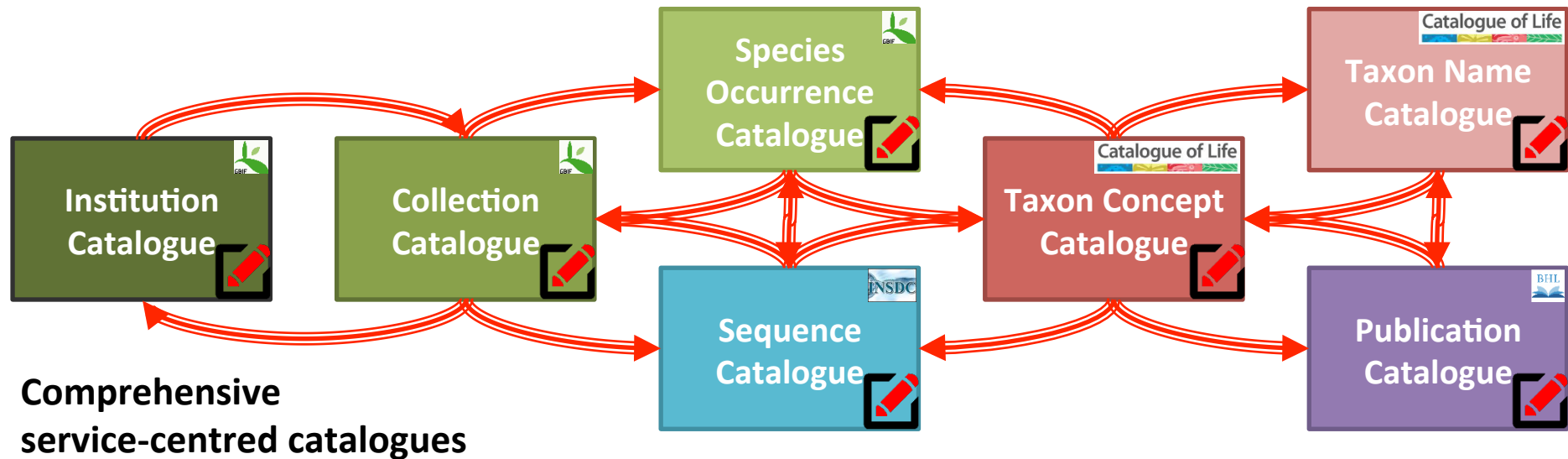


# GBIF AND GLOBALLY CONNECTED DATA



Species occurrence record includes scientific name and no explicit species concept

# GBIF AND GLOBALLY CONNECTED DATA



Catalogues with compatible services form an ecosystem to organise access to distributed biodiversity information

Catalogues are also best place of offer tools and services to support and organise annotations and corrections