

#### The BioSharing Registry: connecting data standards, policies and databases in the life sciences

5th UK Ontology Network Meeting, April 14th 2016

Allyson L. Lister

Alejandra Gonzalez-Beltran

Massimiliano Izzo

**Eamonn Maguire** 

Peter McQuilton

Philippe Rocca-Serra

Milo Thurston

Susanna-Assunta Sansone













There are 45 communities































#### Developer: seeking to make your resource more findable?

Register or update your standard and/or database in our registries; make them more discoverable to other users and get credit for it...[read more]



#### Researcher/curator: looking for guidance?

Find the appropriate standard and database for your dataset. See journal requirements and journal and funding agency data policies...[read more]



#### Funder: developing data policies?

Refine your policy discovering which standards and databases are inter-related, more used and mature, and if are funded by you......[read more]



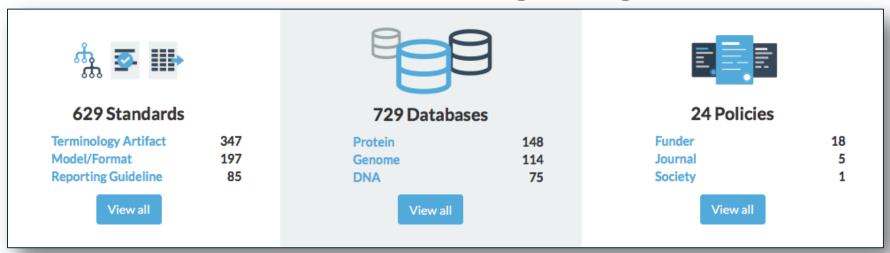
#### Journal editor/librarian: creating guidelines?

Create your view on an inter-related set of standards and/or databases, a simple way to complement your data guidelines and assist your users...[read more]

Developer Researcher/Curator Funder Editor/Librarian



### 1,400 records and growing



#### Mapping the landscape of 'standards' in the life sciences

































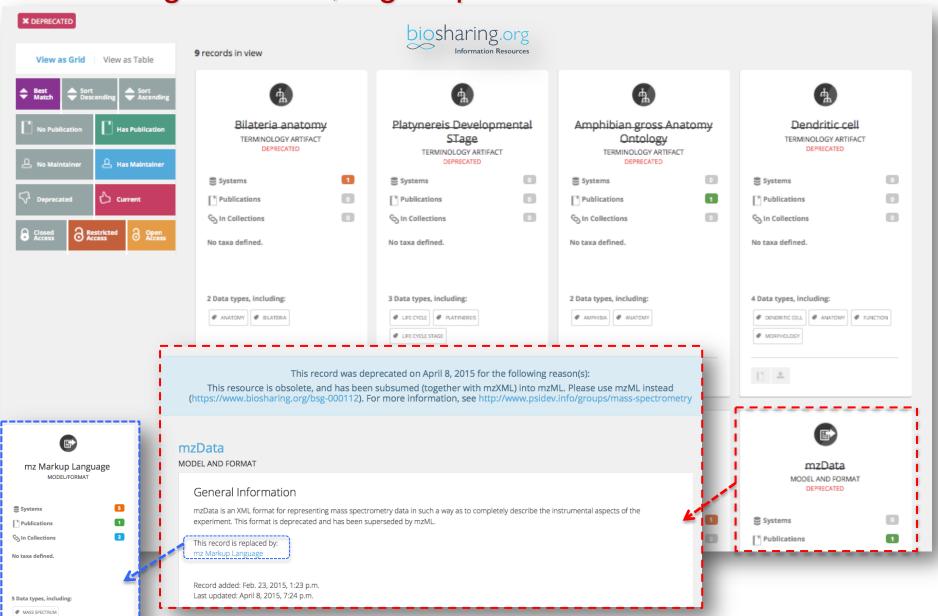




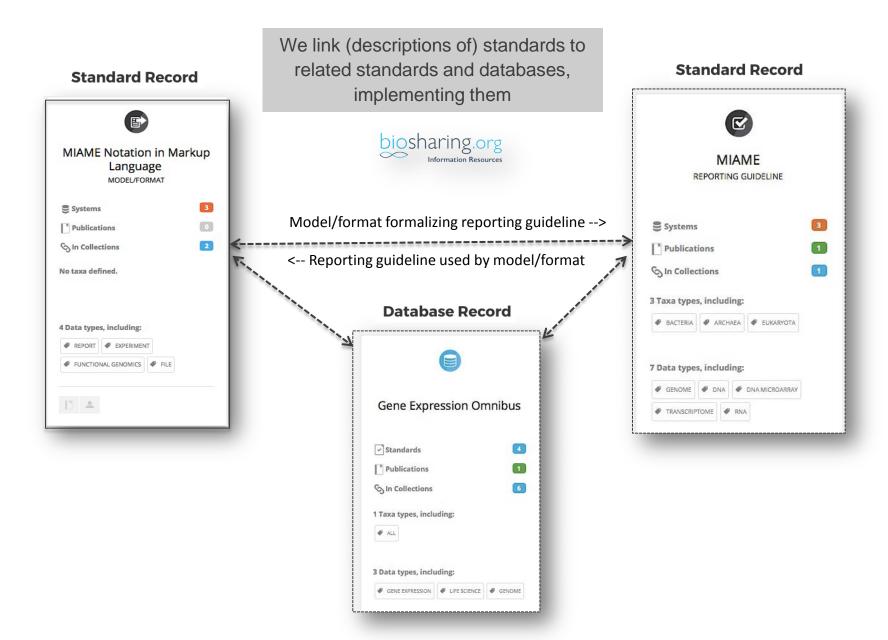


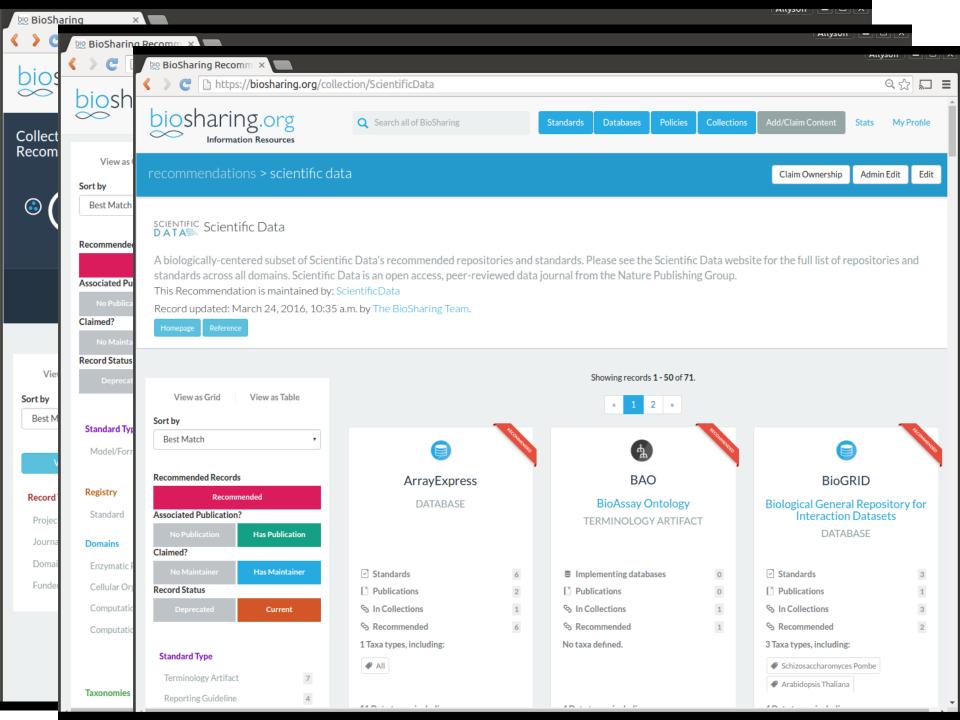


### Tracking evolution, e.g. deprecations and substitutions

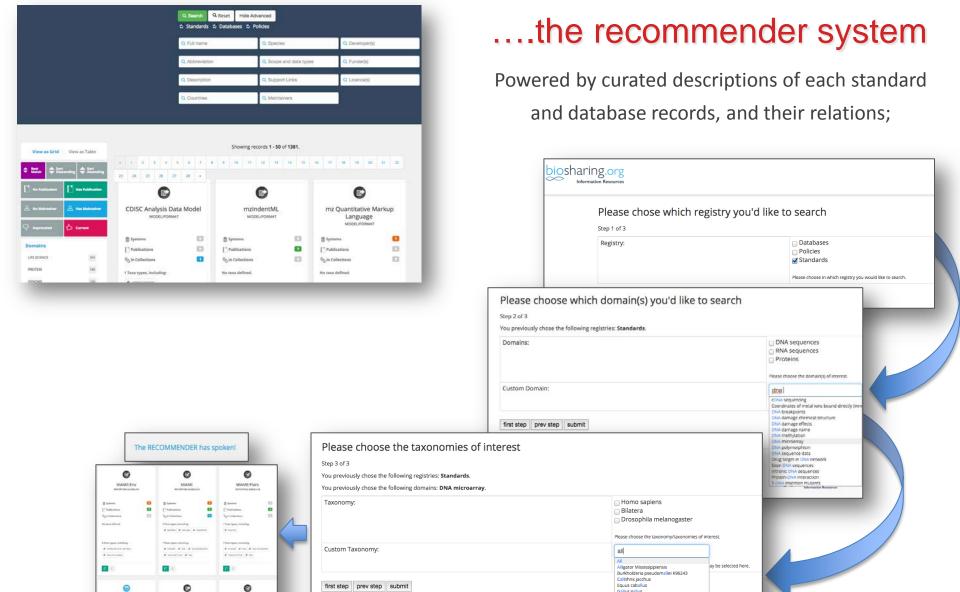


### Cross-linking standards to standards and databases





### From simple and advance search interfaces to....



Globodera pallida

## New Article format for Scientific Data

"The **Article** is a flexible format for presenting original reports on systems or techniques that clearly advance data sharing and reuse. This includes research on sharing, managing and processing scientific research data, as well as articles describing data repositories, standards and **ontologies**. Articles may also present sociological research on data sharing habits or perceptions, or the effectiveness of sharing policies."

# 7 April 2016, Scientific Data

http://blogs.nature.com/scientificdata/2016/04/07/scientific-data-to-publish-a-wider-range-of-research-advancing-data-sharing-and-reuse

# Thank you!

- Is your ontology represented in BioSharing?
  - Look for it at <a href="https://biosharing.org/">https://biosharing.org/</a>
  - Claim the record to help us curate it
- Add an ontology record in BioSharing
  - https://biosharing.org/new/standard