

BioSharing - An Informative and Educational Service for Community-Developed Standards

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In the life/biomedical sciences there are almost a thousand standards and several thousands databases and tools, designed to assist the virtuous data cycle, from collection to annotation, through preservation and publication to subsequent sharing and reuse. As a consumer of these resources, it is often difficult to know which one are the most relevant for your specific domain and needs; as producers, you want to be sure your resource is findable by prospective users.

With its growing and interlinked content, functionalities and endorsements, BioSharing (<https://biosharing.org>) is the most comprehensive informative and educational resource of community-developed standards. We works with and for the community to map their landscape and define indicators necessary to monitor e.g. their: development, evolution, integration; implementation and use in databases, tools; and adoption in data policies by funders, journals and other organizations.

Whether you are a researcher, standard/database developer, funder, journal editor, librarian or data manager, BioSharing can help you understand which standards are mature and appropriate to your use case. By mapping the relationships between standards and databases/tools that implement them, or the policies that recommend them, BioSharing enables you to make an informed decision as to which standard or database to use or endorse. It also increases the visibility of standards outside their direct domain, reducing the potential for unnecessary reinvention and maximize their (re)use.

Selected as a resource of the ELIXIR interoperability platform, BioSharing also operates as an open working group in the Research Data Alliance and Force11.

This presentation will show: exemplars on how we help consumer and producer of standards; results of a recent user survey, done in collaboration with NIH BD2K and ELIXIR, helping us improving the service; and engagement in and connection with BD2K and ELIXIR activities, such as Bioschemas.org to enhance discoverability of the resources.