

S1 Text. Initiatives relevant to identifiers

- **BD2K (Big Data 2 Knowledge)**[1]. This US program supports a variety of initiatives aimed at making better use of the diversity of biomedical data, including various data integration efforts.
- **BioMedBridges**[2]. This is an implementation-driven project to integrate data that facilitates translational research.
- **DataCite**[3]: DataCite is interested in enabling the persistent identification of data, and develops and supports the standards required to achieve this.
- **DCIP**[4]: The Data Citation Implementation Pilot goal is to provide basic coordination between publishers, repositories and identifier / metadata services for early adopters of data citation according to the JDDCP.
- **Diachron**[5]: DIACHRON intends to address and cope with certain issues arising from the evolution of and identification of data in a web environment.
- **ELIXIR**[6]: A pan-European research infrastructure tasked with safeguarding and managing biological data.
- **Force11**[7]: This international pan-disciplinary organization is a forum for innovations in scholarly communication, including citation of data, research resources, and other web artifacts such as software.
- **Monarch Initiative**[8]: A global consortium dedicated to integrating cross-species genotype-phenotype data for disease discovery.
- **RDA**[9]: The Research Data Alliance is a globally active alliance interested in achieving the open sharing of data across countries, technologies and research domains.
- **W3C HCLS**[10]: The World Wide Web Healthcare and Life Sciences Interest group aims to develop semantic standards for interoperability.
- **OBO Foundry**[11]: The OBO Foundry consortium is a collaborative of ontology developers adhering to common best practices and shared principles to ensure interoperability, including a common identifier and citation policy [12].
- **GA4GH**[13]: The members of the Global Alliance for Genomics and Health work towards integrating and analysing genomic data.
- **JATS**[14]: The Journal Article Tag Suite is an application of NISO Z39.96-2015, which defines a set of XML elements and attributes for tagging journal articles and describes three article models. JATS is a continuation of the NLM Archiving and Interchange DTD work begun in 2002 by NCBI[15]. It can also be used to cite data in journals.

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