

The bioCADDIE Data Citation Implementation Pilot

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The bioCADDIE Data Citation Implementation Pilot (DCIP) is an effort to speed development of coordinated data archiving and citation practices and associated infrastructure in biomedical research by working directly with major publishers, repositories, identifier/metadata registries, and identifier resolution services.

Our goal is to enable common data citation practices across the biomedical ecosystem consistent with the Joint Declaration of Data Citation Principles (JDDCP). We are working to eliminate obstacles, clarify open questions, and converge implementation plans through a series of workshops and telecons. We expect to release draft data citation roadmaps for publishers and repositories, with online FAQs; and to implement alignment of the major US and European identifier resolution systems using a common namespace/prefix registry, by the end of 2016.

DCIP was organized by bioCADDIE as a community group activity within FORCE11.org, to help ensure maximum input and involvement from ecosystem participants across the biomedical research, informatics, repositories and publishing communities.

Our presentation will provide an outline of the key results contained in these roadmaps and specifications. These include:

- Recommendations and implementation plans for identifiers developed in conjunction with the California Digital Library, the European Bioinformatics Institute, ELIXIR, NIH, and DataCite that build on recommendations from bioCADDIE's identifier working group.
- Specific mechanisms for PREFIX:ACCESSION based identifier resolution and common prefix registry maintenance.
- Publication lifecycle recommendations for author instructions, editorial training, approved repository list maintenance, and reference presentation.
- Repository landing page metadata serialization in human and machine readable form with both backward and forward ecosystem compatibility.
- Citation metadata alignment with bioCADDIE's DATS, and with DataCite, Dublin Core, and Schema.org.