

What is CEDAR?

CEDAR is the Center for Expanded Data Annotation and Retrieval (CEDAR). We provide scientists with advanced information technologies to ease the burden of metadata authoring, and promote quality metadata in scientific research.

How Do We Improve Metadata Authoring?

Let's face it—no one loves metadata. But there's good news! CEDAR makes metadata entry smarter and faster, so researchers and analysts can create and use better metadata.



CEDAR does this through better interfaces, terminology, metadata practices, and analytics. We offer our users:

- ✓ Quick and easy metadata entry
- ✓ Sharing with users, groups, and public
- ✓ Easy access to biomedical ontologies
- ✓ Predictive data entry
- ✓ Automated export to data repositories
- ✓ A growing library of standard templates
- ✓ Services accessible via nice REST APIs

CEDAR's Partners



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Learn More About Us

Want to know more? Visit our website at metadatacenter.org for:

- ✓ Training videos on how to use CEDAR
- ✓ Access to the CEDAR Workbench
- ✓ Technical support from team members
- ✓ Upcoming events we'll be attending
- ✓ Publications, posters and presentations
- ✓ More details on how CEDAR works

Or start now at cedar.metadatacenter.org !

Still have questions? Email us directly at cedar-support@metadatacenter.org

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CEDAR

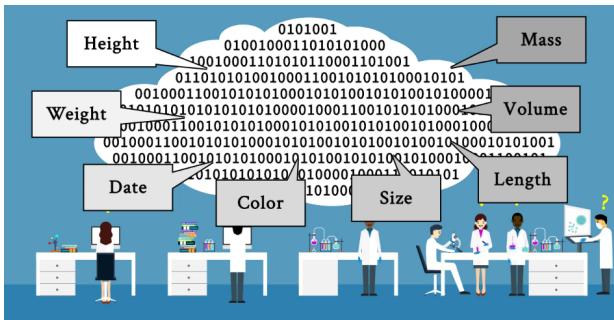
CENTER FOR EXPANDED DATA
ANNOTATION AND RETRIEVAL



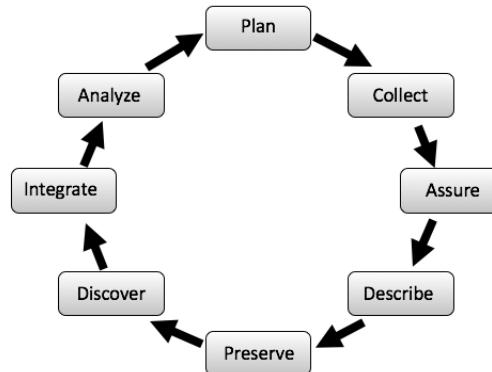
**BETTER METADATA
BETTER SCIENCE**

The CEDAR Platform

CEDAR built a rich platform to develop, evaluate, use, and refine biomedical metadata.



Investigators can easily author and manage metadata throughout the entire metadata lifecycle by using CEDAR's Workbench. With CEDAR's semantic features, users aren't just filling in text—they're identifying and selecting well-defined concepts with unique identifiers.



Workbench tools and services include:

- ✓ CEDAR Template Designer
- ✓ CEDAR Metadata Editor
- ✓ CEDAR Metadata Repository
- ✓ API interfaces to all CEDAR services
- ✓ Access to the shared template library

Template Designer

Templates are like survey forms: they list all the questions a user may need to answer.

CEDAR's Template Designer makes it easy to build forms with all the information needed to describe a dataset, or any other artifact. Template designers can explicitly constrain each question's answer by creating a list of controlled terms from one or more term authorities like BioPortal—even add a whole branch of values, as shown below, or Create New Terms.

Why do this?

By using ontology terms to enter data, we:

- ✓ Make metadata entry faster and clearer
- ✓ Make the answers machine readable
- ✓ Increase the quality of metadata
- ✓ Generate reusable metadata
- ✓ Can compare data from different forms

Metadata Editor

With CEDAR's editor, the metadata author's work is fast, easy, and accurate. CEDAR even offers predictive metadata entry to let authors pick from the most likely answers.

What does a metadata author do?

Using the CEDAR Workbench, authors:

- ✓ Find and reuse pre-designed templates
- ✓ Fill in metadata describing their work
- ✓ Validate their metadata in real time
- ✓ Update metadata as projects progress
- ✓ Share their metadata with their team
- ✓ Send metadata to external repositories

Metadata Repository

Metadata content is stored in CEDAR's repository, where users or systems with appropriate permissions can find it and download it via the CEDAR APIs.

And a simple click, authors can send their metadata and data to public databases.

With all these options, CEDAR users can easily make their data FAIR: Findable, Accessible, Interoperable, and Reusable.