CEDAR lets users create complete and comprehensive metadata for any scientific domain using standard ontologies and data structures.

CEDAR is powered by BioPortal, the world's most comprehensive repository of biomedical and earth science ontologies, to provide controlled terms for metadata.

Ontology: NCBI/TAXON
- Entity
- Conceptual Entity
- Physical Object
- Substance
- Anatomical Structure
- Manufactured Object
- Organism

Templates and metadata are represented as JSON-LD, a machine-readable and widely accepted interchange format on the Web.

Study
- Principal Investigator
  - First Name
  - Last Name
- Address
- Publication
  - Title
  - Journal
  - Date

Validation
Automatic validation is done on the fly to give immediate feedback of errors. The validator framework wraps other existing validation services, e.g., the BioSample Validator.

BioSample validation errors:
- Empty attribute value for attribute 'tissue'.
- Sample has missing mandatory attribute(s). If you do not have information for the required fields, please provide value as either 'not collected', 'not applicable' or 'missing'.

REST APIs
Create, read, update and delete with CEDAR REST API microservices. Send metadata to your repository or app, or publish to CEDAR!

DELETE /folders/{id}
GET /folders/{id}
GET /folders/{id}/details
POST /folders

Adoption and Evaluation

BioPortal
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