

# Supported Metadata and References

## Supported Metadata

A dataset contains three levels of metadata:

1. **Citation Metadata:** any metadata that would be needed for generating a data citation and other general metadata that could be applied to any dataset;
2. **Domain specific Metadata:** with specific support currently for Social Science, Life Science, Geospatial, and Astronomy datasets; and
3. **File-level Metadata:** varies depending on the type of data file - see *File Handling and Uploading* section below for more details).

For more details about what Citation and Domain specific metadata is supported, please see **Metadata References** section.

Note that once a dataset has been published its metadata may be exported. A button on the dataset page's metadata tab will allow a user to export the metadata of the most recently published version of the dataset. Currently supported export formats are DDI, Dublin Core and JSON.

## Metadata References

Dataverse is committed to using standard-compliant metadata to ensure that Dataverse metadata can be mapped easily to standard metadata schemas and be exported into JSON format (XML for tabular file metadata) for preservation and interoperability.

Detailed below are what metadata schemas we support for Citation and Domain Specific Metadata in Dataverse:

- **Citation Metadata:** compliant with [DDI Lite](#), [DDI 2.5 Codebook](#), [DataCite 3.1](#), and Dublin Core's [DCMI Metadata Terms](#) ([see .tsv version](#)). Language field uses [ISO 639-2](#) controlled vocabulary.
- **Geospatial Metadata:** compliant with DDI Lite, DDI 2.5 Codebook, DataCite, and Dublin Core ([see .tsv version](#)). Country / Nation field uses [ISO 3166-1](#) controlled vocabulary.
- **Social Science & Humanities Metadata:** compliant with DDI Lite, DDI 2.5 Codebook, and Dublin Core ([see .tsv version](#)).
- **Astronomy and Astrophysics Metadata** : These metadata elements can be mapped/exported to the International Virtual Observatory Alliance's (IVOA) [VOResource Schema format](#) and is based on [Virtual Observatory \(VO\) Discovery and Provenance Metadata](#) ([see .tsv version](#)).
- **Life Sciences Metadata:** based on [ISA-Tab Specification](#), along with controlled vocabulary from subsets of the [OBI Ontology](#) and the [NCBI Taxonomy for Organisms](#) ([see .tsv version](#)).