

Keywords (term)

In the initial analysis, this element was intended to include any terms (individual words, phrases, or concept entities), ideally but not necessarily drawn from a controlled vocabulary, that describe the resource or some aspect of it. See also "Description".

A keyword is an informative word used in a search or information retrieval system to indicate and access data, such as the content of a document. The purpose of keywords is for classification, which may aid discovery, linking between like objects, and management. Keywords are intended to act as shortcuts for content.

Keywords may come from *controlled* or *uncontrolled* vocabularies.

See also the sheet for Description.

Controlled Vocabularies

This kind of keyword should have an associated vocabulary.

- Keywords should be added as URIs from maintained public vocabularies
 - Are/Should these vocabularies/ontologies be domain-specific or general?
 - Are these vocabularies available, and if so, can the right one be found
 - A list with published vocabularies should be provided, ie <http://www.agrisemantics.org/gacs>
- If the URI for a specific keyword does not exist, the Metadata needs an attribute that specifies the source of the term
- A schema or controlled vocabulary must be declared. *Examples:*
 - Dewey
 - Library of Congress
 - National Library of Medicine
 - Universal Decimal Classification

Uncontrolled Vocabularies

- Folksonomies - crowdsourced terms applied by whoever

Role of “keywords”

Annotation of a dataset with subject concepts should enhance its discovery and interoperability with other datasets.

For this, the meaning of a “term” must be machine-understandable. This means a dereferenciable URI is needed.

The keyword should have a relationship identifier or role of the term to the object, e.g., “aboutness”

This means that a set of standard relations should be defined.

[Ted Habermann](#) –

I agree that a standard set of relations should be defined. I think these are similar to the concept of keyword types, and I think of the kind of keywords described here as “theme” keywords. The ISO TC211 metadata standards include a [standard class for keywords](#) that includes a citation to the source of the keywords and a type for the keywords. The standard types include: discipline, place, stratum, temporal, theme, dataCentre, featureType, instrument, platform, process, product, project, service, subTopicCategory, dataCenter, dataResolution.

Mappings

Please give below:

- The name of your data archive, repository, catalogue, etc.
- For your native or internal metadata scheme (or one you normally use), please list the elements that correspond to the element
 - Give any constraints on the value (controlled vocabulary, syntax/encoding)
 - Highlight any divergence in the semantics of the element from the discussion above.