

# FaBiO, the FRBR-aligned Bibliographic Ontology

**IRI:**

<http://purl.org/spar/fabio/>

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**Current version:**

1.9.3

**Previous version:**

[https://svn.code.sf.net/p/sempublishing/code/FaBiO/2016-04-19-fabio-1\\_9\\_2.owl](https://svn.code.sf.net/p/sempublishing/code/FaBiO/2016-04-19-fabio-1_9_2.owl)  
([visualise it with LODE](#))

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**Imported Ontologies:**

<http://purl.org/spar/frbr> ([visualise it with LODE](#))

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## Abstract

FaBiO, the FRBR-aligned Bibliographic Ontology, is an ontology for recording and publishing on the Semantic Web bibliographic records of scholarly endeavours. It forms part of SPAR, a suite of Semantic Publishing and Referencing Ontologies. Other SPAR ontologies are described at <http://purl.org/spar/>. This ontology is available at <http://purl.org/spar/fabio>, and uses the namespace prefix fabio.

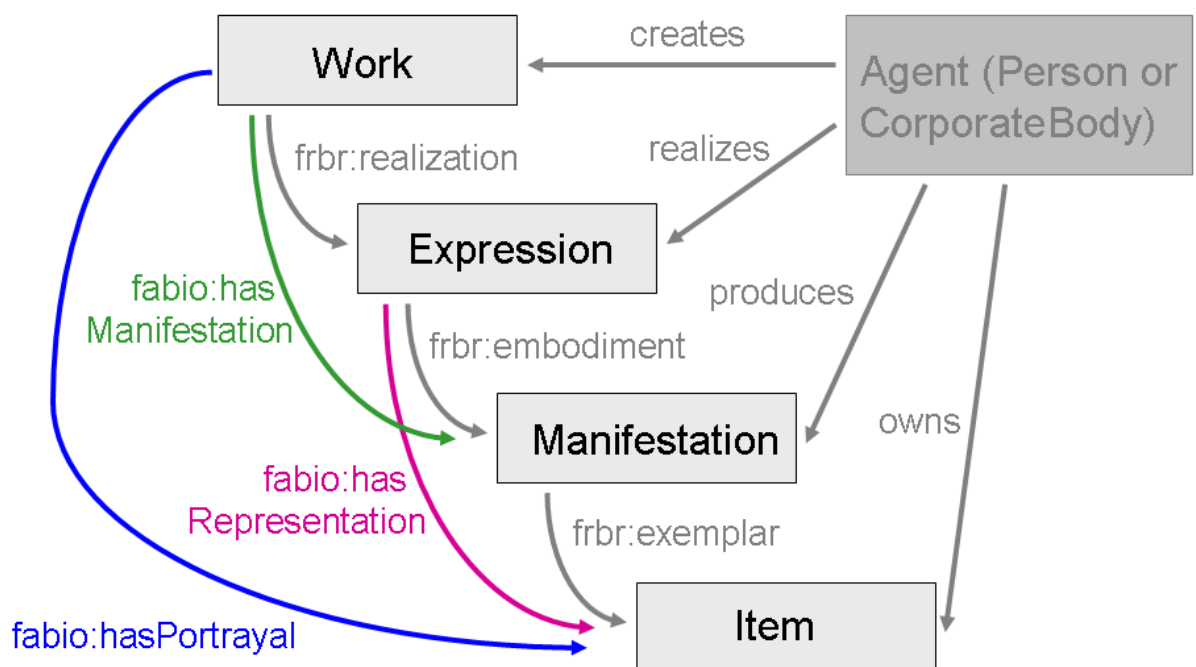
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## Introduction

FaBiO, the FRBR-aligned Bibliographic Ontology, is an ontology for recording and publishing on the Semantic Web descriptions of entities that are published or potentially publishable, and that contain or are referred to by bibliographic references, or entities used to define such bibliographic references. FaBiO entities are primarily textual publications such as books, magazines, newspapers and journals, and items of their content such as poems, conference papers and editorials. However, they also include blogs, web pages, datasets, computer algorithms, experimental protocols, formal specifications and vocabularies, legal records, governmental papers, technical and commercial reports and similar publications, and also anthologies, catalogues and similar collections. FaBiO classes are structured according to the FRBR schema of Works, Expressions, Manifestations and Items. Additional properties have been added to extend the FRBR data model by linking Works and Manifestations (`fabio:hasManifestation` and `fabio:isManifestationOf`), Works and Items (`fabio:hasPortrayal` and `fabio:isPortrayedBy`), and Expressions and Items (`fabio:hasRepresentation` and `fabio:isRepresentedBy`).

### New Work-Expresson-Manifestation-Item relationships in FaBiO



Reciprocals: `frbr:realizationOf` `frbr:embodimentOf` `frbr:exemplarOf`  
`fabio:isManifestationOf` `fabio:isRepresentationOf` `fabio:isPortrayalOf`

## Classes

[abstract](#) [academic proceedings](#) [addendum](#) [algorithm](#) [analog item](#)  
[analog manifestation](#) [analog storage medium](#) [announcement](#) [anthology](#) [API](#)  
[application profile](#) [article](#) [artistic work](#) [audio document](#) [authority file](#)  
[bachelor's thesis](#) [bibliographic database](#) [bibliographic metadata](#) [biography](#)  
[blog](#) [blog post](#) [book](#) [book chapter](#) [book review](#) [book series](#) [book set](#)  
[brief report](#) [call for applications](#) [case for support](#) [case for support document](#)  
[case report](#) [catalog](#) [chapter](#) [citation metadata](#) [clinical case report](#)  
[clinical guideline](#) [clinical trial design](#) [clinical trial report](#) [collected works](#)  
[comment](#) [complete works](#) [computer application](#) [computer file](#)  
[computer program](#) [concept](#) [concept scheme](#) [conference paper](#)

[conference poster](#) [conference proceedings](#) [controlled vocabulary](#) [correction](#)  
[corrigendum](#) [cover](#) [critical edition](#) [data file](#) [data management plan](#)  
[data management policy](#) [data management policy document](#) [data repository](#)  
[database](#) [database management system](#) [dataset](#) [definitive version](#)  
[deliverable](#) [deliverable report](#) [demo paper](#) [diary](#) [digital item](#)  
[digital manifestation](#) [digital storage medium](#) [directory](#) [discipline dictionary](#)  
[doctoral thesis](#) [document repository](#) [dust jacket](#) [e-mail](#) [editorial](#)  
[entity metadata](#) [entry](#) [erratum](#) [essay](#) [examination paper](#) [excerpt](#)  
[executive summary](#) [experimental protocol](#) [expression](#) [expression collection](#)  
[figure](#) [film](#) [folksonomy](#) [Gantt chart](#) [grant application](#)  
[grant application document](#) [hardback](#) [image](#) [in brief](#) [in-use paper](#) [index](#)  
[instruction manual](#) [instructional work](#) [item](#) [item collection](#) [journal](#)  
[journal article](#) [journal editorial](#) [journal issue](#) [journal news item](#)  
[journal volume](#) [laboratory notebook](#) [lecture notes](#) [legal opinion](#) [letter](#)  
[library catalog](#) [literary artistic work](#) [magazine](#) [magazine article](#)  
[magazine editorial](#) [magazine issue](#) [magazine news item](#) [manifestation](#)  
[manifestation collection](#) [manuscript](#) [master's thesis](#) [meeting report](#)  
[metadata](#) [metadata document](#) [microblog](#) [micropost](#)  
[minimal information standard](#) [model](#) [movie](#) [moving image](#)  
[musical composition](#) [nanopublication](#) [news item](#) [news report](#) [newspaper](#)  
[newspaper article](#) [newspaper editorial](#) [newspaper issue](#)  
[newspaper news item](#) [notebook](#) [notification of receipt](#) [novel](#) [obituary](#)  
[ontology](#) [ontology document](#) [opinion](#) [oration](#) [page](#) [paperback](#) [patent](#)  
[patent application](#) [patent application document](#) [patent document](#) [periodical](#)  
[periodical issue](#) [periodical item](#) [periodical volume](#) [personal communication](#)  
[Ph.D. symposium paper](#) [play](#) [poem](#) [policy](#) [policy document](#) [poster paper](#)  
[postprint](#) [preprint](#) [presentation](#) [press release](#) [print object](#)  
[proceedings paper](#) [product review](#) [project metadata](#) [project plan](#) [proof](#)  
[proposition](#) [questionnaire](#) [quotation](#) [rapid communication](#) [reference book](#)  
[reference entry](#) [reference work](#) [relational database](#) [reply](#) [report](#)  
[report document](#) [reporting standard](#) [repository](#) [research paper](#) [retraction](#)  
[review](#) [review article](#) [screenplay](#) [script](#) [series](#) [short story](#) [song](#)  
[sound recording](#) [specification](#) [specification document](#) [spreadsheet](#)  
[standard operating procedure](#) [still image](#) [storage medium](#) [structured summary](#)  
[subject discipline](#) [subject term](#) [supplement](#) [supplementary information file](#)  
[systematic review](#) [table](#) [table of contents](#) [taxonomy](#) [technical report](#)  
[technical standard](#) [term dictionary](#) [textbook](#) [thesaurus](#) [thesis](#) [timetable](#)  
[trial report](#) [triplestore](#) [tweet](#) [uncontrolled vocabulary](#) [vocabulary](#)  
[vocabulary document](#) [vocabulary mapping](#) [vocabulary mapping document](#)  
[web archive](#) [web content](#) [web manifestation](#) [web page](#) [web site](#)  
[white paper](#) [wiki](#) [wiki entry](#) [wikipedia entry](#) [work](#) [work collection](#)  
[work package](#) [workflow](#) [working paper](#) [workshop paper](#)  
[workshop proceedings](#)

abstract<sup>c</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Abstract>

A brief summary of a work on a particular subject, designed to act as the point-of-entry that will help the reader quickly to obtain an overview of the work's contents. The abstract may be an integral part of the work itself, written by the same author(s) and appearing at the beginning of a work such as a research paper, report, review or thesis. Alternatively it may be separate from the published work itself, and written by someone other than the author(s) of the published work, for example by a member of a professional abstracting service such as CAB Abstracts.

**has super-classes**

[expression](#)<sup>C</sup>

is disjoint with

[structured summary](#)<sup>C</sup>

[academic proceedings](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AcademicProceedings>

A document containing the programme and collected papers, or their abstracts, presented at an academic meeting.

**has super-classes**

[expression collection](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [proceedings paper](#)<sup>C</sup>

**has sub-classes**

[conference proceedings](#)<sup>C</sup>, [workshop proceedings](#)<sup>C</sup>

[addendum](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Addendum>

An item of material added at the end of a book or other publication, typically to include omitted or late-arriving material.

**has super-classes**

[expression](#)<sup>C</sup>

[algorithm](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Algorithm>

A precise sequential set of pre-defined logical rules or computational operations to be employed for solving a particular problem in a finite number of steps.

**has super-classes**

[specification](#)<sup>C</sup>

[analog item](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AnalogItem>

A real object that is an exemplar of a fabio:Manifestation, such as a particular copy of the book 'Alice's adventures in Wonderland', that a person may own.

**has super-classes**

[item](#)<sup>C</sup>

[is stored on](#)<sup>op</sup> **some** [analog storage medium](#)<sup>C</sup>

[is exemplar of](#)<sup>op</sup> **some** [analog manifestation](#)<sup>C</sup>

**is disjoint with**

[digital item](#)<sup>C</sup>

An analog item is an exemplar of an analog manifestation only and it is always stored in a storage medium suitable for analog objects, such as paper, vinyl discs and films.

## analog manifestation<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AnalogManifestation>

A manifestation in an analog form.

### has super-classes

[manifestation](#)<sup>C</sup>

[has exemplar](#)<sup>op</sup> **some** [analog item](#)<sup>C</sup>

### has sub-classes

[print object](#)<sup>C</sup>

### is disjoint with

[digital manifestation](#)<sup>C</sup>

## analog storage medium<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AnalogStorageMedium>

A means of storing information in non-digital form, e.g. paper, film (for analogue photographs or movies), magnetic tape (for analogue sound recordings or video recordings) or vinyl disc.

### has super-classes

[storage medium](#)<sup>C</sup>

[stores](#)<sup>op</sup> **only** [analog item](#)<sup>C</sup>

### has members

[analog magnetic tape](#)<sup>ni</sup>, [film](#)<sup>ni</sup>, [paper](#)<sup>ni</sup>, [vinyl disk](#)<sup>ni</sup>

## announcement<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Announcement>

A formal statement about something.

### has super-classes

[work](#)<sup>C</sup>

### has sub-classes

[notification of receipt](#)<sup>C</sup>, [retraction](#)<sup>C</sup>

## anthology<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Anthology>

A collection of selected literary or scholastics works, for example poems, short stories, plays or research papers.

### has super-classes

[expression collection](#)<sup>C</sup>

**has sub-classes**

[collected works](#)<sup>C</sup>

**API**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ApplicationProgrammingInterface>

A computer program that enables a separate computer to interact programmatically with the computer running the API. (Commonly abbreviated 'API'.)

**has super-classes**

[computer program](#)<sup>C</sup>

**application profile**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ApplicationProfile>

A set of metadata elements, policies and guidelines defined for a particular application. The metadata elements used in the application profile may be drawn from more than one element sets, including locally defined sets.

**has super-classes**

[metadata](#)<sup>C</sup>

**article**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Article>

The realization of a piece of writing on a particular topic, usually published within a periodical publication (e.g. journal, magazine and newspaper).

**has super-classes**

[expression](#)<sup>C</sup>

**has sub-classes**

[journal article](#)<sup>C</sup>, [magazine article](#)<sup>C</sup>, [newspaper article](#)<sup>C</sup>, [review article](#)<sup>C</sup>

**artistic work**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ArtisticWork>

It describes any work regarded as art in its widest sense, including works from literature and music, visual art, etc.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[literary artistic work](#)<sup>C</sup>

**audio document**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AudioDocument>

The realization of a sound recording.

**has super-classes**

[expression](#)<sup>C</sup>

is realization of<sup>op</sup> [some sound recording](#)<sup>C</sup>

**authority file**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/AuthorityFile>

A controlled vocabulary or official list that establishes, for consistency, the authoritative forms of headings, and the preferred terms or proper names to be used, when creating a catalogue or when indexing and searching a set of entities within a defined domain.

**has super-classes**

[controlled vocabulary](#)<sup>C</sup>

**is disjoint with**

[taxonomy](#)<sup>C</sup>, [thesaurus](#)<sup>C</sup>

**bachelor's thesis**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BachelorsThesis>

A thesis reporting a research project undertaken as part of an undergraduate course of education leading to a bachelor's degree.

**has super-classes**

[thesis](#)<sup>C</sup>

**is disjoint with**

[doctoral thesis](#)<sup>C</sup>, [master's thesis](#)<sup>C</sup>

**bibliographic database**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BibliographicDatabase>

A database providing an authoritative source of bibliographic information, for example PubMed (<http://www.ncbi.nlm.nih.gov/pubmed>), CrossRef Metadata Search (<http://search.crossref.org/>) and PubMed Central (<http://www.ncbi.nlm.nih.gov/pmc/>).

**has super-classes**

[database](#)<sup>C</sup>

**bibliographic metadata**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BibliographicMetadata>

Standard bibliographic metadata describing an expression of a work. To take the example of a journal article, bibliographic metadata typically include the authors' names, the date of publication, the title of the article, the journal name and volume number, the first and last page numbers, and the Digital Object Identifier (DOI).

**has super-classes**

[metadata](#)<sup>C</sup>

## biography<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Biography>

An account of the events, works and achievements, both personal and professional, of a person, either living or dead.

**has super-classes**

[work<sup>C</sup>](#)

## blog<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Blog>

A Web publication medium containing blog posts.

**has super-classes**

[web manifestation<sup>C</sup>](#)

**has sub-classes**

[microblog<sup>C</sup>](#)

## blog post<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BlogPost>

Information manifested in a blog, one of a set of periodic sequential entries containing commentary, descriptions of events, or other material such as images or videos, usually displayed in reverse-chronological order and usually maintained by an individual, or comments on such a post.

**has super-classes**

[entry<sup>C</sup>](#)

[web content<sup>C</sup>](#)

## book<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Book>

A non-serial document that is complete in one volume or a designated finite number of volumes. A book published by a publisher is usually identified by an International Standard Book Number (ISBN), and may be manifested as a physical printed publication on paper bound in a hard or soft cover, or in electronic format as an 'e-book'.

**has super-classes**

[expression<sup>C</sup>](#)

**has sub-classes**

[notebook<sup>C</sup>](#), [reference book<sup>C</sup>](#), [textbook<sup>C</sup>](#), [thesis<sup>C</sup>](#)

## book chapter<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BookChapter>

A defined chapter of a book, usually with a separate title or number.

**has super-classes**

[chapter](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [book](#)<sup>C</sup>

[book review](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BookReview>

A written review and critical analysis of the content, scope and quality of a book or other monographic work.

**has super-classes**

[review](#)<sup>C</sup>

[book series](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BookSeries>

A sequence of books having certain characteristics in common that are formally identified together as a group - for instance, the books in the Law, Governance and Technology Series published by Springer.

**has super-classes**

[series](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [book](#)<sup>C</sup>

**is disjoint with**

[book set](#)<sup>C</sup>

[book set](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BookSet>

A set of books having certain characteristics in common that informally allow their identification together as a group - for instance, the books of the Harry Potter saga.

**has super-classes**

[expression collection](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [book](#)<sup>C</sup>

**is disjoint with**

[book series](#)<sup>C</sup>

[brief report](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/BriefReport>

A brief report document. This term may also be used synonymously with Rapid Communication to mean 'A short rapidly published research article or conference

paper, typically reporting significant research results that have been recently discovered, or a brief news item reporting such discoveries.'

**has super-classes**

[expression](#)<sup>C</sup>

[rapid communication](#)<sup>C</sup> or [report document](#)<sup>C</sup>

**has sub-classes**

[executive summary](#)<sup>C</sup>

**call for applications**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/CallForApplications>

A document published by a funding agency requesting submission of applications for financial grants to fund projects, for example to enable research investigations in areas specified in the Call.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [proposition](#)<sup>C</sup>

**case for support**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/CaseForSupport>

A part of a grant application that provides a description of a proposed project and gives reasons why it is worthy of funding. (See also [fabio:GrantApplication](#)).

**has super-classes**

[work](#)<sup>C</sup>

**case for support document**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/CaseForSupportDocument>

A document containing the case for support for a particular project, usually contained within a grant application document but sometimes distributed separately, without the financial and organizational information that the grant application document also contains.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [case for support](#)<sup>C</sup>

**case report**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/CaseReport>

A report about a particular case or situation.

**has super-classes**

[report](#)<sup>C</sup>

**has sub-classes**[clinical case report](#)<sup>C</sup>**catalog**<sup>C</sup>[back to ToC](#) or [Class ToC](#)**IRI:** <http://purl.org/spar/fabio/Catalog>

A list of items describing the content of a resource, for example items in an exhibition, items offered for sale by a vendor, or entities contained within a library or collection. Ideally, catalogs are created according to specific and uniform principles of construction and are under the control of an authority file.

**has super-classes**[specification](#)<sup>C</sup>**has sub-classes**[library catalog](#)<sup>C</sup>**chapter**<sup>C</sup>[back to ToC](#) or [Class ToC](#)**IRI:** <http://purl.org/spar/fabio/Chapter>

A defined document section, forming part of or intended for inclusion within a larger document, usually with its own title or chapter number. Different chapters within a document such as a book or a report may each be independently authored, or may all be authored by a single individual or group of authors.

**has super-classes**[expression](#)<sup>C</sup>**has sub-classes**[book chapter](#)<sup>C</sup>**citation metadata**<sup>C</sup>[back to ToC](#) or [Class ToC](#)**IRI:** <http://purl.org/spar/fabio/CitationMetadata>

Metadata describing the citations made within a work to other works, and (optionally) some characteristics of the expressions of the cited works.

**has super-classes**[metadata](#)<sup>C</sup>**clinical case report**<sup>C</sup>[back to ToC](#) or [Class ToC](#)**IRI:** <http://purl.org/spar/fabio/ClinicalCaseReport>

A presentation of findings following a clinical or medical investigation on a human or animal patient, that may contain a diagnosis and proposals for therapeutic treatment and/or epidemiological control measures, or may propose further evaluative studies that will eventually lead to such outcomes.

**has super-classes**[case report](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/ClinicalGuideline>

A recommendation on the appropriate treatment and care of people with a specific disease or condition, based on the best available evidence, designed to help healthcare professionals in their work.

**has super-classes**

[instructional work](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/ClinicalTrialDesign>

A predefined written procedural method, designed to ensure reliability of findings, for undertaking a medical or veterinary clinical study of the safety, efficacy, or optimum dosage schedule of one or more diagnostic, therapeutic or prophylactic drugs or treatments, or of devices or techniques, involving a randomized controlled trial for evidence-based assessment in humans or animals, specifying criteria of eligibility, nature of controls, sampling schedules, data collection parameters, statistical analyses, reporting standards, etc. to be employed in undertaking the clinical trial.

**has super-classes**

[specification](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/ClinicalTrialReport>

The report of a pre-planned medical or veterinary clinical study of the safety, efficacy, or optimum dosage schedule of one or more diagnostic, therapeutic or prophylactic drugs, or of devices, treatments or techniques, involving a randomized controlled trial for evidence-based assessment in humans or animals selected according to predetermined criteria of eligibility and observed for evidence of favourable and unfavourable effects.

**has super-classes**

[trial report](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/CollectedWorks>

A collection of the literary or scholastic works of a single person.

**has super-classes**

[anthology](#)<sup>C</sup>

**has sub-classes**

[complete works](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/Comment>

A verbal or written remark concerning some entity. In written form, a comment is often appended to that entity and termed an annotation. Within computer programs or ontologies, comments are added to enhance human understanding, and are usually prefaced by a special syntactic symbol that ensures they are ignored during execution of the program.

**has super-classes**

[expression](#)<sup>C</sup>

**complete works**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/CompleteWorks>

A collection of all the literary or scholastic works of a single person.

**has super-classes**

[collected works](#)<sup>C</sup>

**computer application**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ComputerApplication>

A computer program designed to assist a human user to perform one or more goal-oriented tasks such as word processing or image processing. A computer application will typically save its output files in one or more specific formats, conforming either to proprietary or open standards.

**has super-classes**

[computer program](#)<sup>C</sup>

**computer file**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ComputerFile>

A digital item containing information in computer-readable form encoded in a particular format.

**has super-classes**

[digital item](#)<sup>C</sup>

**computer program**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/ComputerProgram>

A unit of computer code in source or compiled form, employing one or more algorithms to be executed by a digital computer to undertake a particular task. Computer programs are collectively called 'software' to distinguish them from the equipment ('hardware') upon which they run.

**has super-classes**

[expression](#)<sup>C</sup>

**has sub-classes**

## concept<sup>c</sup>

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**IRI:** <http://www.w3.org/2004/02/skos/core#Concept>

A SKOS concept can be viewed as an idea or notion; a unit of thought. However, what constitutes a unit of thought is subjective, and this definition is meant to be suggestive, rather than restrictive. The notion of a SKOS concept is useful when describing the conceptual or intellectual structure of a knowledge organization system, and when referring to specific ideas or meanings established within a KOS. Note that, because SKOS is designed to be a vehicle for representing semi-formal KOS, such as thesauri and classification schemes, a certain amount of flexibility has been built in to the formal definition of this class.

### has sub-classes

[subject discipline](#)<sup>c</sup>, [subject term](#)<sup>c</sup>

### is in domain of

[is in scheme](#)<sup>op</sup>

### is in range of

[is scheme of](#)<sup>op</sup>

### is disjoint with

[concept scheme](#)<sup>c</sup>

## concept scheme<sup>c</sup>

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**IRI:** <http://www.w3.org/2004/02/skos/core#ConceptScheme>

A SKOS concept scheme can be viewed as an aggregation of one or more SKOS concepts. Semantic relationships (links) between those concepts may also be viewed as part of a concept scheme. This definition is, however, meant to be suggestive rather than restrictive, and there is some flexibility in the formal data model stated below. The notion of a concept scheme is useful when dealing with data from an unknown source, and when dealing with data that describes two or more different knowledge organization systems.

### has sub-classes

[discipline dictionary](#)<sup>c</sup>, [term dictionary](#)<sup>c</sup>

### is in domain of

[is scheme of](#)<sup>op</sup>

### is in range of

[is in scheme](#)<sup>op</sup>

### is disjoint with

[concept](#)<sup>c</sup>

## conference paper<sup>c</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ConferencePaper>

A paper, typically the realization of a research paper reporting original research findings, usually published within a conference proceedings volume.

## has super-classes

[proceedings paper](#)<sup>C</sup>

## conference poster<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ConferencePoster>

A display poster, typically containing text with illustrative figures and/or tables, usually reporting research results or proposing hypotheses, submitted for acceptance to and/or presented at a conference, seminar, symposium, workshop or similar event.

## has super-classes

[expression](#)<sup>C</sup>

## conference proceedings<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ConferenceProceedings>

A document containing the programme and collected conference papers, or their abstracts, presented at a conference, seminar, symposium or similar event.

## has super-classes

[academic proceedings](#)<sup>C</sup>

[has part](#)<sup>OP</sup> [some conference paper](#)<sup>C</sup>

## controlled vocabulary<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ControlledVocabulary>

A collection of selected words and phrases related to a particular domain of knowledge used to permit consistency of metadata annotation and improved retrieval following a search, in which homonyms, synonyms and similar ambiguities of meaning present in natural language are disambiguated.

## has super-classes

[vocabulary](#)<sup>C</sup>

## has sub-classes

[authority file](#)<sup>C</sup>, [ontology](#)<sup>C</sup>, [taxonomy](#)<sup>C</sup>, [thesaurus](#)<sup>C</sup>

## correction<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Correction>

A correction to an error in a previously published document.

## has super-classes

[work](#)<sup>C</sup>

## has sub-classes

[corrigendum](#)<sup>C</sup>, [erratum](#)<sup>C</sup>

## corrigendum<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Corrigendum>

A formal correction to an error introduced by the author into a previously published document.

---

**has super-classes**

[correction](#)<sup>C</sup>

---

**cover**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Cover>

A protective covering used to bind together the pages of a document or the first, informative, page of a digital document.

---

**has super-classes**

[expression](#)<sup>C</sup>

---

**critical edition**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/CriticalEdition>

A new edition of a historical publication, edited by a scholar other than the original author, containing within the body text the supposedly best version of the original work, with footnotes detailing and commenting on textual variations between different versions, typically with an introduction to the original work written by the scholar, and with a bibliography listing related publications.

---

**has super-classes**

[work](#)<sup>C</sup>

---

**data file**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DataFile>

A realisation of a fabio:Dataset (a frbr:Work) containing a defined collection of data with specific content and possibly with a specific version number, that can be embodied as a fabio:Digital Manifestation (a frbr:Manifestation with a specific format) and be represented by a specific fabio:ComputerFile (a frbr:Item) on someone's hard drive.

---

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> [some dataset](#)<sup>C</sup>

---

**data management plan**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DataMangementPlan>

A structured document giving information about how data arising from a research project or other endeavour is to be manages, preserved and shared.

---

**has super-classes**

[expression](#)<sup>C</sup>



is realization of<sup>op</sup> **some** [proposition](#)<sup>c</sup>

## [data management policy](#)<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DataManagementPolicy>

A policy that describes and defines how data should be managed, preserved and shared.

**has super-classes**

[policy](#)<sup>c</sup>

## [data management policy document](#)<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DataManagementPolicyDocument>

A document embodying a policy that describes and defines how data should be managed, preserved and shared.

**has super-classes**

[policy document](#)<sup>c</sup>

## [data repository](#)<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DataRepository>

A repository for storing data.

**has super-classes**

[repository](#)<sup>c</sup>

## [database](#)<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Database>

A structured collection of logically related records or data usually stored and retrieved using computer-based means.

**has super-classes**

[expression](#)<sup>c</sup>

**has sub-classes**

[bibliographic database](#)<sup>c</sup>, [directory](#)<sup>c</sup>, [relational database](#)<sup>c</sup>, [triplestore](#)<sup>c</sup>

## [database management system](#)<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DatabaseManagementSystem>

The software used to create a database. (Commonly abbreviated 'DBMS'.)

**has super-classes**

[computer program](#)<sup>c</sup>

**IRI:** <http://purl.org/spar/fabio/Dataset>

A collection of related facts, often expressed in numerical form and encoded in a defined structure.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[timetable](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/DefinitiveVersion>

The final published expression of a work that bears the publisher's imprimatur. Typically for a journal article, the Definitive Version results from revision of an earlier submitted version of the work following peer review, and is then published in print and/or digital form after the publisher has assigned it a DOI. The Definitive Version is also known as the Version of Record, although according to the CrossRef Glossary (<http://crossref.org/02publishers/glossary.html>) that term can also refer to the author's final version of a work that is not formally published.

**has super-classes**

[manuscript](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/ProjectReportDocument>

A document containing a project report, intended to be delivered to a customer or funding agency describing the results achieved within a specific project.

**has super-classes**

[report document](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [deliverable report](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/ProjectReport>

A report describing the outcomes of specific project, typically listing 'deliverables' created or 'milestones' achieved during the project.

**has super-classes**

[report](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/DemoPaper>

A demonstration paper, typically describing a new product, service or system created as a result of research, usually presented during a conference or workshop.

**has super-classes**

[expression](#)<sup>C</sup>

**diary**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Diary>

A personal record, in a form of book, with discrete entries (often handwritten) arranged by date, reporting what has happened over the course of a day or other period of time.

**has super-classes**

[notebook](#)<sup>C</sup>

[has part](#)<sup>OP</sup> **some** [entry](#)<sup>C</sup>

**digital item**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DigitalItem>

A digital object, such as a computer file.

**has super-classes**

[item](#)<sup>C</sup>

[is stored on](#)<sup>OP</sup> **some** [digital storage medium](#)<sup>C</sup>

[is exemplar of](#)<sup>OP</sup> **some** [digital manifestation](#)<sup>C</sup>

**has sub-classes**

[computer file](#)<sup>C</sup>

**is disjoint with**

[analog item](#)<sup>C</sup>

A digital item is an exemplar of a digital manifestation only and it is always stored in a storage medium suitable for digital objects, such as CDs, DVDs, HDs and the Web.

**digital manifestation**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DigitalManifestation>

A manifestation that represents data in binary form, encoding the data as a series of 0s and 1s.

**has super-classes**

[manifestation](#)<sup>C</sup>

[has exemplar](#)<sup>OP</sup> **some** [digital item](#)<sup>C</sup>

**has sub-classes**

[web manifestation](#)<sup>C</sup>

**is disjoint with**

[analog manifestation](#)<sup>C</sup>

**digital storage medium**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/DigitalStorageMedium>

A means of storing information in digital form, involving binary encoding of data in 0s and 1s, e.g. a computer random access memory, hard disc, USB stick, CD, DVD or digital magnetic tape.

**has super-classes**

[storage medium](#)<sup>C</sup>

[stores](#)<sup>op</sup> **only** [digital item](#)<sup>C</sup>

**has members**

[CD](#)<sup>ni</sup>, [HD](#)<sup>ni</sup>, [RAM](#)<sup>ni</sup>, [WWW](#)<sup>ni</sup>, [cloud](#)<sup>ni</sup>, [digital magnetic tape](#)<sup>ni</sup>, [digital versatile disc](#)<sup>ni</sup>, [floppy disk](#)<sup>ni</sup>, [internet](#)<sup>ni</sup>, [intranet](#)<sup>ni</sup>, [solid state memory](#)<sup>ni</sup>

[directory](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Directory>

A database of information which is heavily optimized for reading.

**has super-classes**

[database](#)<sup>C</sup>

[discipline dictionary](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/DisciplineDictionary>

A discipline dictionary is a collection of subject disciplines.

**has super-classes**

[concept scheme](#)<sup>C</sup>

[is scheme of](#)<sup>op</sup> **only** [subject discipline](#)<sup>C</sup>

**is disjoint with**

[term dictionary](#)<sup>C</sup>

[doctoral thesis](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DoctoralThesis>

A thesis reporting the research undertaken during a period of graduate study leading to a doctoral degree.

**has super-classes**

[thesis](#)<sup>C</sup>

**is disjoint with**

[bachelor's thesis](#)<sup>C</sup>, [master's thesis](#)<sup>C</sup>

[document repository](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DocumentRepository>

A repository for storing documents.

## has super-classes

[repository](#)<sup>C</sup>

## dust jacket<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/DustJacket>

A detachable outer cover, usually made of paper and printed with text and illustrations. This outer cover has folded flaps that hold it to the cover of a document.

## has super-classes

[expression](#)<sup>C</sup>

## e-mail<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Email>

A message transmitted over the internet as an item of electronic mail, typically based on the Simple Mail Transfer Protocol (SMTP). Emails can have computer files containing documents, dataset and images attached to them or embedded within them.

## has super-classes

[expression](#)<sup>C</sup>

## editorial<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Editorial>

The realization of an opinion written by an editor.

## has super-classes

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [opinion](#)<sup>C</sup>

## has sub-classes

[journal editorial](#)<sup>C</sup>, [magazine editorial](#)<sup>C</sup>, [newspaper editorial](#)<sup>C</sup>

## entity metadata<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/EntityMetadata>

Metadata describing the work itself, including for example the name of the creator(s), the title of the work, and the date and place of its creation.

## has super-classes

[metadata](#)<sup>C</sup>

## entry<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Entry>

An item written or printed in a diary, list, account book, reference book, or database.

**has super-classes**

[expression](#)<sup>C</sup>

**has sub-classes**

[blog post](#)<sup>C</sup>, [micropost](#)<sup>C</sup>, [reference entry](#)<sup>C</sup>, [wiki entry](#)<sup>C</sup>

**erratum**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Erratum>

A formal correction to an error introduced by the publisher into a previously published document.

**has super-classes**

[correction](#)<sup>C</sup>

**essay**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Essay>

A piece of non-fiction writing on a particular subject, usually of moderate length and without chapters.

**has super-classes**

[work](#)<sup>C</sup>

**examination paper**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ExaminationPaper>

A set of questions on a particular topic designed to test the academic, professional or technical ability of the person taking the examination, with achievement of a pass grade in the examination typically being a prerequisite for the award of an educational award such as a degree, or of a professional or technical qualification.

**has super-classes**

[work](#)<sup>C</sup>

**excerpt**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Excerpt>

A segment or passage selected from a larger expression for use in another expression, usually with specific attribution to its original source. [Note: Use fabio:Excerpt to indicate a segment or passage selected from another expression that is not a passage of speech, and fabio:Quotation to indicate a segment or passage selected from another expression that is a passage of speech.]

**has super-classes**

[expression](#)<sup>C</sup>

An excerpt is more general than a quotation, and is generally used to indicate a re-published extract from a book, instruction manual, film, radio programme, etc, that need not be what someone said. For example: Oxford 01865 Oxshott 01372 Oxted 01883

Oxton 01578 is an excerpt from the UK Dialling Codes section of the Oxford Telephone Directory. Similarly, the following concluding passage from William Wordsworth's poem *Lines written a Few Miles above Tintern Abbey* is an excerpt rather than a quotation: Nor wilt thou then forget, That after many wanderings, many years Of absence, these steep woods and lofty cliffs, And this green pastoral landscape, were to me More dear, both for themselves and for thy sake.

## executive summary<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ExecutiveSummary>

An executive summary is a brief report summarizing a longer formal report, designed to present the key points, conclusions and recommendations arising from the study being reported, for readers too busy to take the time to read the complete report.

### has super-classes

[brief report](#)<sup>C</sup>

## experimental protocol<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ExperimentalProtocol>

A predefined written procedural method, designed to ensure successful replication of results by others in the same or other laboratories, that describes the overall objectives, organization and implementation of a scientific experiment, and specifies the experimental design, experimental methods, reagents, instrumentation, sampling schedules, data collection parameters, statistical analyses, image processing procedures, safety precautions, reporting standards, etc. employed in undertaking the experiment.

### has super-classes

[specification](#)<sup>C</sup>

## expression<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Expression>

A subclass of FRBR expression, restricted to expressions of fabio:Works. For your latest research paper, the preprint submitted to the publisher, and the final published version to which the publisher assigned a unique digital object identifier, are both expressions of the same work.

### has super-classes

[expression](#)<sup>C</sup>

[is realization of](#)<sup>OP</sup> [only work](#)<sup>C</sup>

([has part](#)<sup>OP</sup> [only expression](#)<sup>C</sup>) and ([is part of](#)<sup>OP</sup> [only expression](#)<sup>C</sup>)

[has embodiment](#)<sup>OP</sup> [only manifestation](#)<sup>C</sup>

### has sub-classes

[Gantt chart](#)<sup>C</sup>, [Ph.D. symposium paper](#)<sup>C</sup>, [abstract](#)<sup>C</sup>, [addendum](#)<sup>C</sup>, [article](#)<sup>C</sup>, [audio document](#)<sup>C</sup>, [book](#)<sup>C</sup>, [brief report](#)<sup>C</sup>, [call for applications](#)<sup>C</sup>, [case for support document](#)<sup>C</sup>, [chapter](#)<sup>C</sup>, [comment](#)<sup>C</sup>, [computer program](#)<sup>C</sup>, [conference poster](#)<sup>C</sup>, [cover](#)<sup>C</sup>, [data file](#)<sup>C</sup>, [data management plan](#)<sup>C</sup>, [database](#)<sup>C</sup>, [demo paper](#)<sup>C</sup>, [dust jacket](#)<sup>C</sup>, [e-mail](#)<sup>C</sup>, [editorial](#)<sup>C</sup>, [entry](#)<sup>C</sup>, [excerpt](#)<sup>C</sup>, [expression collection](#)<sup>C</sup>, [figure](#)<sup>C</sup>, [grant application](#)<sup>C</sup>

[document](#)<sup>C</sup>, [index](#)<sup>C</sup>, [instruction manual](#)<sup>C</sup>, [lecture notes](#)<sup>C</sup>, [letter](#)<sup>C</sup>, [manuscript](#)<sup>C</sup>, [metadata document](#)<sup>C</sup>, [movie](#)<sup>C</sup>, [nanopublication](#)<sup>C</sup>, [news item](#)<sup>C</sup>, [oration](#)<sup>C</sup>, [periodical issue](#)<sup>C</sup>, [periodical volume](#)<sup>C</sup>, [personal communication](#)<sup>C</sup>, [policy document](#)<sup>C</sup>, [poster paper](#)<sup>C</sup>, [presentation](#)<sup>C</sup>, [proceedings paper](#)<sup>C</sup>, [project plan](#)<sup>C</sup>, [quotation](#)<sup>C</sup>, [rapid communication](#)<sup>C</sup>, [report document](#)<sup>C</sup>, [repository](#)<sup>C</sup>, [specification document](#)<sup>C</sup>, [spreadsheet](#)<sup>C</sup>, [supplement](#)<sup>C</sup>, [supplementary information file](#)<sup>C</sup>, [table](#)<sup>C</sup>, [vocabulary document](#)<sup>C</sup>, [web content](#)<sup>C</sup>

A fabio:Expression can only have part or be part of another fabio:Expression. Moreover, it can be a representation only of a fabio:Work, and it can be embodied only in fabio:Manifestation(s).

## expression collection<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ExpressionCollection>

A collection of expressions, for example a periodical or a book series.

### has super-classes

[expression](#)<sup>C</sup>  
[has part](#)<sup>OP</sup> **some** [expression](#)<sup>C</sup>

### has sub-classes

[academic proceedings](#)<sup>C</sup>, [anthology](#)<sup>C</sup>, [book set](#)<sup>C</sup>, [periodical](#)<sup>C</sup>, [series](#)<sup>C</sup>

## figure<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Figure>

A visual communication object comprising one or more still images on a related theme. If included within a publication, a figure is typically unaligned with the main body of text, having its own descriptive textual figure legend.

### has super-classes

[expression](#)<sup>C</sup>  
[is realization of](#)<sup>OP</sup> **some** [still image](#)<sup>C</sup>

## film<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Film>

A movie with an accompanying soundtrack, typically created by a professional film studio, designed to communicate a fictional story, record an artistic event, or impart information that is scientific or documentary in nature.

### has super-classes

[movie](#)<sup>C</sup>

## folksonomy<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Folksonomy>



A system of classification derived from the practice and method of collaboratively creating and managing tags to annotate and categorize content in a particular domain.  
[Contrast fabio:Ontology]

**has super-classes**

[uncontrolled vocabulary](#)<sup>C</sup>

**Gantt chart**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/GanttChart>

A horizontal bar chart used to guide project planning, execution and control, illustrating the project schedule, with a separate line indicating the start and end dates of each of the key project activities or workpackages, and optionally showing the dependencies between these items. A Gantt chart is typically part of a project plan.

**has super-classes**

[expression](#)<sup>C</sup>

**grant application**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/GrantApplication>

A formal written request for financial support from a grant-giving body in support of a project, for example an academic research project. (See also fabio:CaseForSupport.)

**has super-classes**

[work](#)<sup>C</sup>

**grant application document**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/GrantApplicationDocument>

The realization of a grant application, usually containing a case for support document.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [grant application](#)<sup>C</sup>

**hardback**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Hardback>

A print object bound with rigid protective covers (typically of cardboard covered with cloth, heavy paper, or sometimes leather).

**has super-classes**

[print object](#)<sup>C</sup>

**image**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Image>

A visual representation other than text, including all types of moving image and still image.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[moving image](#)<sup>C</sup>, [still image](#)<sup>C</sup>

**in brief**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/InBrief>

An 'In Brief' is a journal or magazine news item that describes all the articles (or all the important articles) in that issue of the periodical. The content of an 'In Brief' may be constructed from the abstracts of the articles it highlights, but is more likely to be written by a member of the periodical staff especially for the issue.

**has super-classes**

[news item](#)<sup>C</sup>

[journal news item](#)<sup>C</sup> or [magazine news item](#)<sup>C</sup>

**in-use paper**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/InUsePaper>

A report presenting existing research or technology that is actual use (or at least plans for deployment) outside the research group that conducted the research or that developed the technology.

**has super-classes**

[work](#)<sup>C</sup>

**index**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Index>

An alphabetically-ordered list of words and phrases ('headings') and associated pointers ('locators') to where useful material relating to that heading can be found in a document.

**has super-classes**

[expression](#)<sup>C</sup>

**instruction manual**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/InstructionManual>

An instructional document typically supplied with a technologically advanced consumer product, such as a car or a computer application, or with an item of complex equipment such as a microscope.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of<sup>op</sup> some instructional work<sup>c</sup>](#)

## instructional work<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/InstructionalWork>

A work created for the purpose of education or instruction, that may be expressed as a text book, a lecture, a tutorial or an instruction manual.

### has super-classes

[work<sup>c</sup>](#)

### has sub-classes

[clinical guideline<sup>c</sup>](#)

## item<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Item>

A subclass of FRBR item, restricted to exemplars of fabio:Manifestations. An example of a fabio:Item is a printed copy of a journal article on your desk, or a PDF file of that article that you purchased from a publisher and that now resides in digital form on your computer hard drive.

### has super-classes

[item<sup>c</sup>](#)

([has part<sup>op</sup> only item<sup>c</sup>](#)) **and** ([is part of<sup>op</sup> only item<sup>c</sup>](#))  
[is exemplar of<sup>op</sup> only manifestation<sup>c</sup>](#)

### has sub-classes

[analog item<sup>c</sup>](#), [digital item<sup>c</sup>](#), [item collection<sup>c</sup>](#)

### is in domain of

[has access date<sup>dp</sup>](#), [has deposit date<sup>dp</sup>](#), [is stored on<sup>op</sup>](#)

### is in range of

[stores<sup>op</sup>](#)

A fabio:Item can only have part or be part of another fabio:Item. Moreover, it can be an exemplar only of a fabio:Manifestation.

## item collection<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ItemCollection>

A collection of items.

### has super-classes

[item<sup>c</sup>](#)

[has part<sup>op</sup> some item<sup>c</sup>](#)

## journal<sup>c</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Journal>

A scholarly periodical primarily devoted to the publication of original research papers. [Printed and electronic manifestations of the same journal are usually identified by separate print and electronic International Standard Serial Numbers (ISSN or eISSN, respectively), that identifies the journal as a whole, not to individual issues of it.]

**has super-classes**

[periodical](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [journal issue](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [journal volume](#)<sup>C</sup>

**journal article**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/JournalArticle>

An article, typically the realization of a research paper reporting original research findings, published in a journal issue.

**has super-classes**

[article](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [journal issue](#)<sup>C</sup>

**journal editorial**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/JournalEditorial>

An editorial published in an issue of a journal.

**has super-classes**

[editorial](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [journal issue](#)<sup>C</sup>

**journal issue**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/JournalIssue>

A particular published issue of a journal, one or more of which will constitute a volume of the journal.

**has super-classes**

[periodical issue](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [journal volume](#)<sup>C</sup>

**journal news item**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/JournalNewsItem>

A news report published in a journal issue.

**has super-classes**

[news item](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [journal issue](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/JournalVolume>

A particular published volume of a journal, comprising one or more journal issues.

**has super-classes**

[periodical volume](#)<sup>C</sup>

[is part of](#)<sup>OP</sup> [some journal](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/LaboratoryNotebook>

A notebook used by an individual research scientist as the primary record of his or her research activities. A researcher may use a laboratory notebook to document hypotheses, to describe experiments and to record data in various formats, to provide details of data analysis and interpretation, or to record the validation or invalidation of the original hypotheses. The laboratory notebook serves as an organizational tool and a memory aid. It may also have a role in recording and protecting any intellectual property created during the research, and may be used in evidence when establishing priority of discoveries, for example in patent applications. Electronic versions of laboratory notebooks are increasingly being employed by researchers, particularly in chemistry and the pharmaceutical industry.

**has super-classes**

[notebook](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/LectureNotes>

A document containing notes that summarize a lecture or course of lectures.

**has super-classes**

[expression](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/LegalOpinion>

A written explanation by a judge or group of judges that accompanies a ruling in a legal case, laying out the reasons and legal principles for the ruling, and sometimes containing pronouncements about what the law is and how it should be interpreted.

**has super-classes**

[opinion](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/Letter>

A written or printed communication of a personal or professional nature between individuals and/or representatives of corporate bodies, usually transmitted by the postal service or published in a periodical. In the latter case, the letter is typically addressed to the editor and comments on or discussed an item previously published by that periodical, or of interest to its readership.

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**has super-classes**

[expression](#)<sup>C</sup>

---

**library catalog**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/LibraryCatalog>

The catalog of the holdings of a library, for example that of the Library of Congress (<http://catalog.loc.gov/>).

---

**has super-classes**

[catalog](#)<sup>C</sup>

---

**literary artistic work**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/LiteraryArtisticWork>

A literary creative work, such as a novel, play, poem or song.

---

**has super-classes**

[artistic work](#)<sup>C</sup>

**has sub-classes**

[musical composition](#)<sup>C</sup>, [novel](#)<sup>C</sup>, [play](#)<sup>C</sup>, [poem](#)<sup>C</sup>, [screenplay](#)<sup>C</sup>, [short story](#)<sup>C</sup>

---

**magazine**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Magazine>

A periodical, usually devoted to a particular topic or domain of interest, and usually published weekly or monthly, consisting primarily of non-peer reviewed editorials, journalistic news items and more substantive articles, reviews, book reviews and discussions concerning current or recent events and publications, and matters of interest to the domain served by the magazine. [Some scientific journals, notably Science and Nature, also secondarily serve as science magazines by containing substantive editorials and news items on vital or controversial issues].

---

**has super-classes**

[periodical](#)<sup>C</sup>

[has part](#)<sup>Op</sup> [some magazine issue](#)<sup>C</sup>

---

**magazine article**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MagazineArticle>

An article published in a magazine issue.

---

**has super-classes**

[article](#)<sup>C</sup>  
[is part of](#)<sup>OP</sup> **some** [magazine issue](#)<sup>C</sup>

## magazine editorial<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MagazineEditorial>

An editorial published in an issue of a magazine.

### has super-classes

[editorial](#)<sup>C</sup>  
[is part of](#)<sup>OP</sup> **some** [magazine issue](#)<sup>C</sup>

## magazine issue<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MagazineIssue>

A particular published issue of a magazine, identified by date, and sometimes also by place (e.g. 'West Coast edition') or language (e.g. 'Spanish edition').

### has super-classes

[periodical issue](#)<sup>C</sup>  
[is part of](#)<sup>OP</sup> **some** [magazine](#)<sup>C</sup>

## magazine news item<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MagazineNewsItem>

A news report published in a magazine issue.

### has super-classes

[news item](#)<sup>C</sup>  
[is part of](#)<sup>OP</sup> **some** [magazine issue](#)<sup>C</sup>

## manifestation<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Manifestation>

A subclass of FRBR manifestation, restricted to manifestations of fabio:Expressions. fabio:Manifestation specifically applies to electronic (digital) as well as to physical manifestations of expressions. Examples of different manifestations of a single 'version of record' expression of a scholarly work include an article in a print journal or the on-line version of that article as a web page.

### has super-classes

[manifestation](#)<sup>C</sup>  
([has part](#)<sup>OP</sup> **only** [manifestation](#)<sup>C</sup>) **and** ([is part of](#)<sup>OP</sup> **only** [manifestation](#)<sup>C</sup>)  
[is embodiment of](#)<sup>OP</sup> **only** [expression](#)<sup>C</sup>  
[has exemplar](#)<sup>OP</sup> **only** [item](#)<sup>C</sup>

### has sub-classes

[analog manifestation](#)<sup>C</sup>, [digital manifestation](#)<sup>C</sup>, [manifestation collection](#)<sup>C</sup>, [page](#)<sup>C</sup>

A fabio:Manifestation can only have part or be part of another fabio:Manifestation. Moreover, it can be an embodiment only of a fabio:Expression and it can be exemplified only by fabio:Item(s).

## manifestation collection<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ManifestationCollection>

A collection of manifestations.

### has super-classes

[manifestation](#)<sup>C</sup>

[has part](#)<sup>OP</sup> **some** [manifestation](#)<sup>C</sup>

## manuscript<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Manuscript>

A textual work prepared 'by hand', such as a typescript or word-processed pre-publication draft of a research paper or a report, or a work not otherwise reproduced in multiple copies. [Note: fabio:Manuscript is not intended to describe a handwritten historical document on paper or parchment, for which the FRBR distinctions between work, expression, manifestation and item (individual copy) becomes blurred.].

### has super-classes

[expression](#)<sup>C</sup>

### has sub-classes

[definitive version](#)<sup>C</sup>, [postprint](#)<sup>C</sup>, [preprint](#)<sup>C</sup>, [proof](#)<sup>C</sup>

## master's thesis<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MastersThesis>

A thesis reporting a research project undertaken as part of a graduate course of education leading to a master's degree.

### has super-classes

[thesis](#)<sup>C</sup>

### is disjoint with

[bachelor's thesis](#)<sup>C</sup>, [doctoral thesis](#)<sup>C</sup>

## meeting report<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MeetingReport>

A report of a meeting of some kind.

### has super-classes

[report](#)<sup>C</sup>

## metadata<sup>C</sup>

[back to ToC](#) or [Class ToC](#)



**IRI:** <http://purl.org/spar/fabio/Metadata>

A separate work that provides information describing one or more characteristics of a resource or entity.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[application profile](#)<sup>C</sup>, [bibliographic metadata](#)<sup>C</sup>, [citation metadata](#)<sup>C</sup>, [entity metadata](#)<sup>C</sup>,  
[project metadata](#)<sup>C</sup>

## metadata document<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MetadataDocument>

A document that contains metadata information describing one or more characteristics of an entity.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> [some metadata](#)<sup>C</sup>

## microblog<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Microblog>

A social networking publication medium such as Twitter, Tumblr, FriendFeed, Facebook or MySpace. A microblog differs from a traditional blog in that its individual content items are smaller than a traditional blog posts, typically containing just a short sentence, a single image, or a URI. These small messages are referred to as microposts.

**has super-classes**

[blog](#)<sup>C</sup>

## micropost<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Micropost>

A content item that is published in a Microblog, typically containing just a short sentence, a single image, or a URL.

**has super-classes**

[entry](#)<sup>C</sup>

[web content](#)<sup>C</sup>

**has sub-classes**

[tweet](#)<sup>C</sup>

## minimal information standard<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/MinimalInformationStandard>

A metadata standard specifying items to be included when creating metadata describing a dataset of a particular type, or when creating a structured summary of the main findings of an article or report in a particular domain of interest, thereby ensuring adequate descriptive information is recorded for subsequent resource discovery and/or interpretation of the information described. [See also [fabio:ReportingStandard](#).]

**has super-classes**

[specification](#)<sup>C</sup>

**model**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Model>

A mathematical, graphical or physical representation of some physical reality, conceptual idea or theoretical construct.

**has super-classes**

[work](#)<sup>C</sup>

**movie**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Movie>

The realization of a moving image.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [moving image](#)<sup>C</sup>

**has sub-classes**

[film](#)<sup>C</sup>

**moving image**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MovingImage>

A moving display, either generated dynamically by a computer program or formed from a series of pre-recorded still images imparting an impression of motion when shown in succession. Examples include animations, cine films, videos, and computational simulations. Expressions of moving images may incorporate synchronized soundtracks.

**has super-classes**

[image](#)<sup>C</sup>

**is disjoint with**

[still image](#)<sup>C</sup>

**musical composition**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/MusicalComposition>

A piece of music, typically in the form of a composition recorded in musical notation.

**has super-classes**

[literary artistic work](#)<sup>C</sup>

## has sub-classes

[song](#)<sup>C</sup>

## nanopublication<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Nanopublication>

A single, attributable and machine-readable factual assertion - the smallest unit of publishable information that can be uniquely identified and attributed to its author – typically expressed in RDF. The minimal components of a nanopublication are as follows: \* the factual assertion itself, in the form subject, predicate and object (e.g. malaria is\_a disease); \* provenance information about the nanopublication, defining its authorship and creation date; \* supporting information (optional), providing context for the assertion; \* a unique identifier for the nanopublication, in the form of a URI; \* an integrity key that ensures that the nanopublication is in its original form and has not been altered.

## has super-classes

[expression](#)<sup>C</sup>

## news item<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewsItem>

A published news report.

## has super-classes

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [news report](#)<sup>C</sup>

## has sub-classes

[in brief](#)<sup>C</sup>, [journal news item](#)<sup>C</sup>, [magazine news item](#)<sup>C</sup>, [newspaper news item](#)<sup>C</sup>, [press release](#)<sup>C</sup>

## news report<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewsReport>

A report of an item of news.

## has super-classes

[report](#)<sup>C</sup>

## has sub-classes

[obituary](#)<sup>C</sup>

## newspaper<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Newspaper>

A non-peer reviewed periodical, usually published daily or weekly, consisting primarily of editorials and news items concerning current or recent events and matters of public interest.

## has super-classes

[periodical](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [newspaper issue](#)<sup>C</sup>

## newspaper article<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewspaperArticle>

An article written by a journalist and published in a newspaper.

## has super-classes

[article](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [newspaper issue](#)<sup>C</sup>

## newspaper editorial<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewspaperEditorial>

An editorial published in an issue of a newspaper.

## has super-classes

[editorial](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [newspaper issue](#)<sup>C</sup>

## newspaper issue<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewspaperIssue>

A particular published issue of a newspaper, identified by date, and sometimes also by place or time (e.g. 'Late London Edition').

## has super-classes

[periodical issue](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [newspaper](#)<sup>C</sup>

## newspaper news item<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NewspaperNewsItem>

A news report published in a newspaper issue.

## has super-classes

[news item](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [newspaper issue](#)<sup>C</sup>

## notebook<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Notebook>

A book containing personal notes, typically created by writing into a physical book with blank pages.

## has super-classes

[book](#)<sup>C</sup>

## has sub-classes

[diary](#)<sup>C</sup>, [laboratory notebook](#)<sup>C</sup>

## notification of receipt<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/NotificationOfReceipt>

A notification of receipt of something, for example of receipt of a book that will later be the subject of a book review.

## has super-classes

[announcement](#)<sup>C</sup>

## novel<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Novel>

A long fictitious narrative written in literary prose.

## has super-classes

[literary artistic work](#)<sup>C</sup>

## obituary<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Obituary>

A news item reporting the death of a person, typically accompanied by an description of that person's life and contributions to his or her profession and to society at large.

## has super-classes

[news report](#)<sup>C</sup>

## ontology<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Ontology>

A formal representation of a set of concepts within a domain of knowledge, and the logical relationships between those concepts. [Contrast fabio:Folksonomy]

## has super-classes

[controlled vocabulary](#)<sup>C</sup>

## ontology document<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/OntologyDocument>

A document containing an ontology, for example an OWL (Web Ontology Language) file (<http://www.w3.org/TR/owl-features/>).

## has super-classes

[vocabulary document](#)<sup>C</sup>  
is realization of<sup>OP</sup> **some** [ontology](#)<sup>C</sup>

## opinion<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Opinion>

An expression of a personal or professional opinion on an issue or topic.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[legal opinion](#)<sup>C</sup>

## oration<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Oration>

A formal speech, for example one delivered at a ceremonial occasion, or the written transcript of such a speech.

**has super-classes**

[expression](#)<sup>C</sup>

## page<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Page>

A manifestation that represents pages either in physical (e.g., one side of a sheet of paper) or in digital form (e.g., a page in a PDF, or a web page).

**has super-classes**

[manifestation](#)<sup>C</sup>

**has sub-classes**

[web page](#)<sup>C</sup>

## paperback<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Paperback>

A print object with a flexible cover, usually made of paper or paperboard.

**has super-classes**

[print object](#)<sup>C</sup>

## patent<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Patent>

A formal disclosure of a new invention approved by a governmental patent agency, made to register intellectual property rights, and to give exclusive rights to the inventor

or assignee to manufacture, use, license or sell the invention for a certain number of years.

**has super-classes**

[specification](#)<sup>C</sup>

**patent application**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PatentApplication>

A formal disclosure of a new invention, made in application for a patent.

**has super-classes**

[specification](#)<sup>C</sup>

**patent application document**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PatentApplicationDocument>

The physical or electronic realization of a patent application.

**has super-classes**

[specification document](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [patent application](#)<sup>C</sup>

**patent document**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PatentDocument>

The physical or electronic realization of a patent.

**has super-classes**

[specification document](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [patent](#)<sup>C</sup>

**periodical**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Periodical>

A publication issued on a regular and ongoing basis as a series of issues, each issue comprising separate periodical items, for example editorials, articles, news items and/or other writings.

**has super-classes**

[expression collection](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [periodical issue](#)<sup>C</sup>

**has sub-classes**

[journal](#)<sup>C</sup>, [magazine](#)<sup>C</sup>, [newspaper](#)<sup>C</sup>

**periodical issue**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PeriodicalIssue>

A particular issue of a periodical, identified and distinguished from other issues of the same publication by date and/or issue number and/or volume number, and comprising separate periodical items such as editorials, articles and news items.

**has super-classes**

[expression](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [periodical](#)<sup>C</sup>

**has sub-classes**

[journal issue](#)<sup>C</sup>, [magazine issue](#)<sup>C</sup>, [newspaper issue](#)<sup>C</sup>

[periodical item](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PeriodicalItem>

A piece of writing published in a periodical issue, typically accompanied by other items by different authors.

**is equivalent to**

[expression](#)<sup>C</sup> **and** ([is part of](#)<sup>op</sup> **some** [periodical issue](#)<sup>C</sup> **or** [periodical volume](#)<sup>C</sup>)

[periodical volume](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PeriodicalVolume>

A particular published volume of a periodical.

**has super-classes**

[expression](#)<sup>C</sup>

[is part of](#)<sup>op</sup> **some** [periodical](#)<sup>C</sup>

**has sub-classes**

[journal volume](#)<sup>C</sup>

[personal communication](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PersonalCommunication>

Information communicated personally by verbal or written means from one individual to one or more another persons or organizations.

**has super-classes**

[expression](#)<sup>C</sup>

[Ph.D. symposium paper](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PhDSymposiumPaper>

A paper, usually presented during a specific session of a conference dedicated to Ph.D. students, that describes ongoing Ph.D. student's research.

**has super-classes**



[expression](#)<sup>C</sup>

[play](#)<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Play>

A form of literature written by a playwright, usually consisting of scripted dialogue between characters, intended for theatrical performance rather than reading.

**has super-classes**

[literary artistic work](#)<sup>C</sup>

[poem](#)<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Poem>

An artistic work written with an intensity or beauty of language more characteristic of poetry than of prose.

**has super-classes**

[literary artistic work](#)<sup>C</sup>

[policy](#)<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Policy>

A description and definition of how something should be done. Ideally a policy should be both effective in achieving its goals and acceptable to those who have to abide by it.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[data management policy](#)<sup>C</sup>

[policy document](#)<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PolicyDocument>

A document embodying a policy that describes and defines how something should be done.

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> [some policy](#)<sup>C</sup>

**has sub-classes**

[data management policy document](#)<sup>C</sup>

[poster paper](#)<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PosterPaper>

A paper that typically accompanies a poster describing some preliminary results of research, usually presented during a conference or a workshop.

**has super-classes**

[expression](#)<sup>C</sup>

**postprint**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Postprint>

The version of an author's original scholarly work, such as a research paper or a review, re-submitted for publication after revision by the author in the light of comments from reviewers. [Note: For the version before peer review, use fabio:Preprint. For the final published version, use fabio:DefinitiveVersion.]

**has super-classes**

[manuscript](#)<sup>C</sup>

**preprint**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Preprint>

The version of an author's original scholarly work, such as a research paper or a review, first submitted to publisher for publication. [Note: For that version resubmitted after peer-review and revision, use fabio:Postprint. For the final published version use fabio:DefinitiveVersion.]

**has super-classes**

[manuscript](#)<sup>C</sup>

**presentation**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Presentation>

A set of slides containing text, tables or figures, designed to communicate ideas or research results, for projection and viewing by an audience at a conference, symposium, seminar, lecture, workshop or other gatherings, typically embodied in a particular manifestation format such as a SlideShare or PowerPoint slideshow.

**has super-classes**

[expression](#)<sup>C</sup>

**press release**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PressRelease>

A news report published by an organization to provide information to journalists.

**has super-classes**

[news item](#)<sup>C</sup>

**print object**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/PrintObject>

An analog manifestation in physical printed form, typically on paper.

**has super-classes**

[analog manifestation](#)<sup>C</sup>

**has sub-classes**

[hardback](#)<sup>C</sup>, [paperback](#)<sup>C</sup>

**proceedings paper**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ProceedingsPaper>

A paper, typically the realization of a research paper reporting original research findings, usually published within an academic proceedings volume.

**has super-classes**

[expression](#)<sup>C</sup>

**has sub-classes**

[conference paper](#)<sup>C</sup>, [workshop paper](#)<sup>C</sup>

**product review**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ProductReview>

A written review and critical analysis of the purpose, features, performance and other qualities of a product.

**has super-classes**

[review](#)<sup>C</sup>

**project metadata**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ProjectMetadata>

Metadata describing a project, for example the project name, the names of those who conducted the project, the name of the institution in which the project was conducted, and the project funding information.

**has super-classes**

[metadata](#)<sup>C</sup>

**project plan**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ProjectPlan>

A document used to guide project planning, execution and control, specifying the project's goal and objectives and the activities and resources required to achieve these, setting out the project schedule, and identifying the major workpackages, milestones and deliverables. A project plan will typically contain a Gantt chart.

**has super-classes**

[expression](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/Proof>

In printing and publishing, a proof copy is the preliminary version of a publication, after the inclusion of any author corrections following review, and after copy editing and formatting to bring the manuscript into the house style, intended for final checking prior to publication to detect and eliminate typographical errors, omissions or transpositions of text, incorrect layout or placement of illustrations and tables, or other formatting errors. Those who check proofs include the editor, possibly the peer-reviewers (to ensure that their requested modifications have been included to their satisfaction), possibly an in-house professional proof-reader, and / or the author, who is ultimately responsible for ensuring the published work says what (s)he means it to say. Substantive changes to the text are not permitted once the manuscript has reached proof stage.

**has super-classes**

[manuscript<sup>C</sup>](#)

**IRI:** <http://purl.org/spar/fabio/Proposition>

A proposal or proposition of a new conceptualization, hypothesis, idea, theory, activity or organisation.

**has super-classes**

[work<sup>C</sup>](#)

**IRI:** <http://purl.org/spar/fabio/Questionnaire>

A set of questions on a particular topic, usually in the form of multiple choice questions requiring the respondent to select the correct answer, or providing the ability to indicate support for or against a proposal on a numerical scale, designed for rapid numerical analysis of responses and often used in surveying public opinion.

**has super-classes**

[work<sup>C</sup>](#)

**IRI:** <http://purl.org/spar/fabio/Quotation>

A passage of speech selected from a larger verbal or written expression for use in another expression, with specific attribution to its original source, and usually demarcated by quotation marks and / or by placing it in a separate indented paragraph. [Note: Use fabio:Quotation to indicate a segment or passage selected from another expression that is a passage of speech, and fabio:Excerpt to indicate a segment or passage selected from another expression that is not a passage of speech.]

**has super-classes**

## [expression](#)<sup>C</sup>

A quotation is a repetition of what someone has said, and is presented "within quotation marks", for example: On June 4th 1940, Winston Churchill made a speech on the radio that has since become famous, that included the words: " . . . we shall fight on the beaches, we shall fight on the landing grounds, we shall fight in the fields and in the streets, we shall fight in the hills; we shall never surrender . . ." Similarly, the words "but Brutus is an honourable man" from Mark Antony's funeral speech in Shakespeare's play Julius Caesar is a quotation, since Mark Antony says these words in the play.

## [rapid communication](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/RapidCommunication>

A short rapidly published research article or conference paper, typically reporting significant research results that have been recently discovered, or a brief news item reporting such discoveries.

### **has super-classes**

[expression](#)<sup>C</sup>

## [reference book](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReferenceBook>

A book containing authoritative factual information, such as a dictionary, encyclopaedia, handbook or field guide, which is a realisation of a certain reference work and may contain several reference entries.

### **has super-classes**

[book](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [reference work](#)<sup>C</sup>

## [reference entry](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReferenceEntry>

A particular reference entry containing authoritative factual information on a certain topic, usually contained in a larger expression.

### **has super-classes**

[entry](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [reference work](#)<sup>C</sup>

## [reference work](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReferenceWork>

A work to which people refer for authoritative factual information, such as a dictionary, encyclopaedia, entry, handbook or field guide, or an informative web page such as an institutional, research group or project home page.

### **has super-classes**

[work](#)<sup>C</sup>

## relational database<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/RelationalDatabase>

A database in which the data are arranged in tables according to their common characteristics, with relationships between the tables being defined by a relational model or schema. A relational database is highly optimized for performance, and is queried using a database query language such as SQL (Structured Query Language). The software used to create a relational database is called a relational database management system (RDBMS).

**has super-classes**

[database<sup>C</sup>](#)

## reply<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Reply>

A work that is a reply, either to a letter or other direct communication, or to feedback or comments about a piece of submitted writing. The latter is typically written by the author of a journal article submitted for publication, or by an applicant making a grant application, in response to reviews of the work from peer reviewers prior to publication (for the journal article) or prior to funding decision (for the grant application). Alternatively, it can be written in response to post-publication peer-review of a published journal article, or comments about it.

**has super-classes**

[work<sup>C</sup>](#)

## report<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Report>

A formal factual, methodological, statistical, technical or research report issued by an individual, group, agency, government body or other institution.

**has super-classes**

[work<sup>C</sup>](#)

**has sub-classes**

[case report<sup>C</sup>](#), [deliverable report<sup>C</sup>](#), [meeting report<sup>C</sup>](#), [news report<sup>C</sup>](#), [technical report<sup>C</sup>](#), [trial report<sup>C</sup>](#)

## report document<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReportDocument>

The realization of a report, usually in printed form.

**has super-classes**

[expression<sup>C</sup>](#)

[is realization of<sup>op</sup>](#) [some report<sup>C</sup>](#)

**has sub-classes**

[deliverable](#)<sup>C</sup>, [white paper](#)<sup>C</sup>

## reporting standard<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReportingStandard>

A set of recommendations for the minimum reporting requirements to be employed when reporting a particular type of investigation or project, for example a randomized clinical trial. A reporting standard may involve a checklist and a flow diagram, offers a standard way for authors to prepare a complete and transparent report of their findings, and aids their critical appraisal and interpretation of their data. [See also [fabio:MinimalInformationStandard](#).]

### has super-classes

[specification](#)<sup>C</sup>

## repository<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Repository>

A computer system in which information may be stored.

### has super-classes

[expression](#)<sup>C</sup>

### has sub-classes

[data repository](#)<sup>C</sup>, [document repository](#)<sup>C</sup>, [web archive](#)<sup>C</sup>

## research paper<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ResearchPaper>

A report of original research findings, either published in written form, or delivered orally at a meeting.

### has super-classes

[work](#)<sup>C</sup>

## retraction<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Retraction>

A formal statement retracting a statement or publication A retraction is a public statement made about an earlier statement that withdraws, cancels, refutes, diametrically reverses the original statement or ceases and desists from publishing the original statement.

### has super-classes

[announcement](#)<sup>C</sup>

## review<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Review>

A review of others' work.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[book review](#)<sup>C</sup>, [product review](#)<sup>C</sup>, [systematic review](#)<sup>C</sup>

**review article**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/ReviewArticle>

An article that contains a review.

**has super-classes**

[article](#)<sup>C</sup>

is realization of<sup>op</sup> [some review](#)<sup>C</sup>

**screenplay**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Screenplay>

A written work made especially for a film or television program. Screenplays can be original works or adaptations from existing pieces of writing, for example novels.

**has super-classes**

[literary artistic work](#)<sup>C</sup>

**script**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Script>

A small computer program written in a scripting language such as JavaScript, PHP or Perl that allows control of one or more software applications.

**has super-classes**

[computer program](#)<sup>C</sup>

**series**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Series>

A sequence of expressions having certain characteristics in common that are formally identified together as a group.

**has super-classes**

[expression collection](#)<sup>C</sup>

**has sub-classes**

[book series](#)<sup>C</sup>

**short story**<sup>C</sup>

back to [ToC](#) or [Class ToC](#)



**IRI:** <http://purl.org/spar/fabio/ShortStory>

A work of fiction that is usually written in prose, often in narrative format. This format tends to be more focused and less elaborate than longer works of fiction such as novels.

**has super-classes**

[literary artistic work](#)<sup>C</sup>

**song**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Song>

A musical composition that contains vocal parts ('lyrics') that are performed ('sung').

**has super-classes**

[musical composition](#)<sup>C</sup>

**sound recording**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/SoundRecording>

The creative work of making an electrical or mechanical recording of sounds, such as the spoken voice, singing, instrumental music, animal vocalizations or sound effects.

**has super-classes**

[work](#)<sup>C</sup>

**specification**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Specification>

An explicit description of, or set of requirements to be satisfied by, a material, product, resource, service or standard.

**has super-classes**

[work](#)<sup>C</sup>

**has sub-classes**

[algorithm](#)<sup>C</sup>, [catalog](#)<sup>C</sup>, [clinical trial design](#)<sup>C</sup>, [experimental protocol](#)<sup>C</sup>, [minimal information standard](#)<sup>C</sup>, [patent](#)<sup>C</sup>, [patent application](#)<sup>C</sup>, [reporting standard](#)<sup>C</sup>, [standard operating procedure](#)<sup>C</sup>, [technical standard](#)<sup>C</sup>, [vocabulary mapping](#)<sup>C</sup>, [workflow](#)<sup>C</sup>

**specification document**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/SpecificationDocument>

The realization of a specification (a standard, a workflow, etc.).

**has super-classes**

[expression](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [specification](#)<sup>C</sup>

**has sub-classes**

[patent application document](#)<sup>C</sup>, [patent document](#)<sup>C</sup>, [structured summary](#)<sup>C</sup>,  
[vocabulary mapping document](#)<sup>C</sup>

## spreadsheet<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Spreadsheet>

An electronic form of data storage that displays a grid of rows and columns, in which each editable cell can contain alphanumeric text, a numeric value, or a formula that defines how the content of that cell is to be calculated from the content of another cell or cells.

### has super-classes

[expression](#)<sup>C</sup>

## standard operating procedure<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/StandardOperatingProcedure>

Clear and detailed written instructions of a prescribed step-by-step procedure to be routinely followed, and decisions to be made when undertaking a specific task, process or function, to achieve consistent performance, ensure safety and/or assure data quality. (Commonly abbreviated 'SOP'.)

### has super-classes

[specification](#)<sup>C</sup>

## still image<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/StillImage>

A recorded static visual representation. This class of image includes diagrams, drawings, graphs, graphic designs, plans, maps, photographs and prints.

### has super-classes

[image](#)<sup>C</sup>

### is disjoint with

[moving image](#)<sup>C</sup>

## storage medium<sup>C</sup>

back to [ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/StorageMedium>

A device for recording information or storing data.

### has sub-classes

[analog storage medium](#)<sup>C</sup>, [digital storage medium](#)<sup>C</sup>

### is in domain of

[stores](#)<sup>op</sup>

### is in range of

[is stored on](#)<sup>op</sup>

**IRI:** <http://purl.org/spar/fabio/StructuredSummary>

A structured summary containing essential metadata describing a research investigation and/or the research outputs that have resulted from it, for example datasets and journal articles, structured according to some minimal information standard. Such a structured summary can be embodied in both human-readable and machine-readable manifestations, e.g. HTML and RDF. Such a structured summary differs from the Abstract of a journal article, in that the latter is written as a piece of continuous prose, but typically omits vital factual information about the investigation, such as when and where it was conducted, by whom, and on how many specimens or subjects.

**has super-classes**

[specification document](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [minimal information standard](#)<sup>C</sup>

**is disjoint with**

[abstract](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/SubjectDiscipline>

A concept that identifies a field of knowledge or human activity defined in a controlled vocabulary, such as Computer Science, Biology, Economics, Cookery or Swimming.

**has super-classes**

[concept](#)<sup>C</sup>

[is in scheme](#)<sup>op</sup> **some** [discipline dictionary](#)<sup>C</sup>

**is in domain of**

[is discipline of](#)<sup>op</sup>

**is in range of**

[has discipline](#)<sup>op</sup>

**IRI:** <http://purl.org/spar/fabio/SubjectTerm>

A concept that defines a term within the controlled vocabulary of a particular classification system, such as the ACM Computing Classification System or MeSH, the Medical Subject Headings, used as an annotation to describe the subject, meaning or content of an entity.

**has super-classes**

[concept](#)<sup>C</sup>

[is in scheme](#)<sup>op</sup> **some** [term dictionary](#)<sup>C</sup>

**is in range of**

[has subject term](#)<sup>op</sup>

**IRI:** <http://purl.org/spar/fabio/Supplement>

A supplement to a publication such as a book, journal, magazine or newspaper, additional to the main publication. For example, a colour supplement to a sunday newspaper, or a special supplementary issue of a journal or a journal volume containing invited articles on a special topic, or abstracts or papers presented at a scientific conference.

**has super-classes**

[expression](#)<sup>C</sup>

**supplementary information file**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/SupplementaryInformation>

A file accompanying a published journal article, containing additional information of relevance to the article, typically available from the publisher's web site via a hyperlink from the journal article itself.

**has super-classes**

[expression](#)<sup>C</sup>

**systematic review**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/SystematicReview>

A literature review focused on a single question that tries to identify, appraise, select and synthesize all high quality research evidence relevant to that question. Systematic reviews of high-quality randomized controlled trials are crucial to evidence-based medicine. An understanding of systematic reviews and how to implement them in practice is becoming mandatory for all professionals involved in the delivery of health care. Systematic reviews are not limited to medicine, and are quite common in other sciences such as psychology, educational research and sociology.

**has super-classes**

[review](#)<sup>C</sup>

**table**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Table>

A graphical means of presenting data in a grid of rows and columns, within which the cells usually contain alphanumeric text or numeric values. If included within a publication, a table typically appearing unaligned with the main body of text, with its own descriptive title.

**has super-classes**

[expression](#)<sup>C</sup>

**has sub-classes**

[table of contents](#)<sup>C</sup>

**table of contents**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/TableOfContents>

A table listing the parts of publication such as a book or technical specification, and the pages on which these content elements start (if the publication is printed or otherwise organized into pages), usually listed in order of appearance. The Table of Contents typically includes first-level headers, such as the chapter titles of a book, and may also include second- and even third-level headers. In electronic works, the Table of Contents entries are often internally hyperlinked to the content items, so that clicking on the entry takes the reader to that item.

**has super-classes**

[table](#)<sup>C</sup>

**taxonomy**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Taxonomy>

A classification arranged in a hierarchical structure of classes and subclasses, showing parent-child isA relationships, or broader\_than - narrower\_than relationships.

**has super-classes**

[controlled vocabulary](#)<sup>C</sup>

**is disjoint with**

[authority file](#)<sup>C</sup>, [thesaurus](#)<sup>C</sup>

**technical report**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/TechnicalReport>

A report of a technical nature.

**has super-classes**

[report](#)<sup>C</sup>

**technical standard**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/TechnicalStandard>

An official or public specification of, or requirement for, a technical method, practice, process or protocol that is involved in, for example, manufacturing, computation, electronic communication, or digital media.

**has super-classes**

[specification](#)<sup>C</sup>

**term dictionary**<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/TermDictionary>

A controlled vocabulary, usually referring to terms within a particular classification system, such as the ACM Computing Classification System or MeSH, the Medical Subject Headings, or a controlled vocabulary of disciplines.

**has super-classes**

[concept scheme](#)<sup>C</sup>

[is scheme of](#)<sup>op</sup> **only** [subject term](#)<sup>C</sup>

**is disjoint with**

[discipline dictionary](#)<sup>C</sup>

A term dictionary is a collection of subject terms.

[textbook](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Textbook>

A book containing instructional material relating to a particular topic of academic study, designed to be read by students.

**has super-classes**

[book](#)<sup>C</sup>

[is realization of](#)<sup>op</sup> **some** [instructional work](#)<sup>C</sup>

[thesaurus](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Thesaurus>

A type of controlled vocabulary used in information retrieval applications for indexing or tagging purposes, in which relationships between terms are made explicit. These are normally hierarchical relationships (is-a, subsumption; e.g. a cow is a mammal), equivalency relationships relating non-preferred terms to preferred terms (e.g. pitch and frequency), or associative relationships, in which the relationship that exists is neither one of hierarchy or equivalence, but rather one of similarity (e.g. sports and leisure pursuits).

**has super-classes**

[controlled vocabulary](#)<sup>C</sup>

**is disjoint with**

[authority file](#)<sup>C</sup>, [taxonomy](#)<sup>C</sup>

[thesis](#)<sup>C</sup>

[back to ToC](#) or [Class ToC](#)

**IRI:** <http://purl.org/spar/fabio/Thesis>

A book authored by a student containing a formal presentations of research outputs submitted for examination in completion of a course of study at an institution of higher education, to fulfil the requirements for an academic degree. Also know as a dissertation. [For the alternative meaning of the word 'thesis', namely the formulation of a concept, hypothesis, idea, point of view or theory presented for review and/or discussion, use fabio:Proposition.]

**has super-classes**

[book](#)<sup>C</sup>

**has sub-classes**

[bachelor's thesis](#)<sup>C</sup>, [doctoral thesis](#)<sup>C</sup>, [master's thesis](#)<sup>C</sup>

[timetable](#)<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Timetable>

A tabular dataset providing information about the times and locations of a planned series of events.

**has super-classes**

[dataset](#)<sup>C</sup>

**trial report**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/TrialReport>

The report of a trial, for example an experimental trial or a legal trial.

**has super-classes**

[report](#)<sup>C</sup>

**has sub-classes**

[clinical trial report](#)<sup>C</sup>

**triplestore**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Triplestore>

A database specifically designed for the storage and retrieval of Resource Description Framework (RDF) data consisting of subject-predicate-object triples. A triple store is queried using the RDF query language SPARQL.

**has super-classes**

[database](#)<sup>C</sup>

**tweet**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Tweet>

A posting made on the social networking site Twitter. A tweet is a text message limited to 140 characters in length, that is broadcast and readable by anyone who accesses Twitter.

**has super-classes**

[micropost](#)<sup>C</sup>

**uncontrolled vocabulary**<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/UncontrolledVocabulary>

A non-defined collection of words and phrases relating to a particular domain of knowledge, usually added freely by a community, in which homonyms, synonyms and similar ambiguities of meaning present in natural language are not formally disambiguated.

**has super-classes**

[vocabulary](#)<sup>C</sup>

**has sub-classes**

## vocabulary<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Vocabulary>

A set of words, either constituting a language, or more specifically used to describe a particular domain of knowledge.

### has super-classes

[work](#)<sup>C</sup>

### has sub-classes

[controlled vocabulary](#)<sup>C</sup>, [uncontrolled vocabulary](#)<sup>C</sup>

## vocabulary document<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/VocabularyDocument>

A document containing a vocabulary

### has super-classes

[expression](#)<sup>C</sup>

is realization of<sup>op</sup> **some** [vocabulary](#)<sup>C</sup>

### has sub-classes

[ontology document](#)<sup>C</sup>

## vocabulary mapping<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/VocabularyMapping>

A mapping of correspondences between two vocabularies. For controlled vocabularies, such mappings may be expressed using SKOS (<http://www.w3.org/2004/02/skos/>).

### has super-classes

[specification](#)<sup>C</sup>

## vocabulary mapping document<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/VocabularyMappingDocument>

A document containing a vocabulary mapping

### has super-classes

[specification document](#)<sup>C</sup>

is realization of<sup>op</sup> **some** [vocabulary mapping](#)<sup>C</sup>

## web archive<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WebArchive>

A snapshots of (part of) the World Wide Web.



## has super-classes

[repository](#)<sup>C</sup>

## web content<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WebContent>

Information prepared specifically and primarily for manifestation in a web page, comprising text, images, datasets and/or other works.

## has super-classes

[expression](#)<sup>C</sup>

[has embodiment](#)<sup>OP</sup> **some** [web manifestation](#)<sup>C</sup>

## has sub-classes

[blog post](#)<sup>C</sup>, [micropost](#)<sup>C</sup>, [wiki entry](#)<sup>C</sup>

## web manifestation<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WebManifestation>

A digital manifestation on the Web, such as a wiki, a web site, a web page or a blog.

## has super-classes

[digital manifestation](#)<sup>C</sup>

## has sub-classes

[blog](#)<sup>C</sup>, [web page](#)<sup>C</sup>, [web site](#)<sup>C</sup>, [wiki](#)<sup>C</sup>

## web page<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WebPage>

A Web manifestation usually identified by a Uniform Resource Identifier (URI), and made accessible to a user by means of the Hypertext Transport Protocol (HTTP) in a Web browser window. Several interlinked web pages hosted together on a Web server and accessed through a single domain name or IP address constitute a web site.

## has super-classes

[page](#)<sup>C</sup>

[web manifestation](#)<sup>C</sup>

## web site<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WebSite>

A collection of related web pages containing text, images, videos and/or other digital assets that are addressed relative to a common Uniform Resource Locator (URL). A web site is hosted on at least one web server, accessible via a network such as the Internet or a private local area network.

## has super-classes

[web manifestation](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/WhitePaper>

An authoritative report or guide designed to educate readers and help people make decisions, or to explain technical problems and how to solve them. White papers are typically published by governments to propose new legislation for discussion, and by commercial companies to inform readers about products or services, as aids to marketing.

**has super-classes**

[report document](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/Wiki>

A collaborative Web manifestation, usually maintained by a project team or group, providing easy-to-edit pages that can be used to accumulate related information for shared use by the group and/or publication.

**has super-classes**

[web manifestation](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/WikiEntry>

Information manifested in a wiki.

**has super-classes**

[entry](#)<sup>C</sup>

[web content](#)<sup>C</sup>

**has sub-classes**

[wikipedia entry](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/WikipediaEntry>

Information about a particular topic in one of the versions of Wikipedia, the online encyclopedia (<http://www.wikipedia.org/>).

**has super-classes**

[wiki entry](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/Work>

A subclass of FRBR work, restricted to works that are published or potentially publishable, and that contain or are referred to by bibliographic references, or entities

used to define bibliographic references. FaBiO works, and their expressions and manifestations, are primarily textual publications such as books, magazines, newspapers and journals, and items of their content. However, they also include datasets, computer algorithms, experimental protocols, formal specifications and vocabularies, legal records, governmental papers, technical and commercial reports and similar publications, and also bibliographies, reference lists, library catalogues and similar collections. For this reason, fabio:Work is not an equivalent class to frbr:ScholarlyWork. An example of a fabio:Work is your latest research paper.

#### has super-classes

[work](#)<sup>C</sup>

[has realization](#)<sup>op</sup> **only** [expression](#)<sup>C</sup>

([has part](#)<sup>op</sup> **only** [work](#)<sup>C</sup>) **and** ([is part of](#)<sup>op</sup> **only** [work](#)<sup>C</sup>)

#### has sub-classes

[announcement](#)<sup>C</sup>, [artistic work](#)<sup>C</sup>, [biography](#)<sup>C</sup>, [case for support](#)<sup>C</sup>, [correction](#)<sup>C</sup>, [critical edition](#)<sup>C</sup>, [dataset](#)<sup>C</sup>, [essay](#)<sup>C</sup>, [examination paper](#)<sup>C</sup>, [grant application](#)<sup>C</sup>, [image](#)<sup>C</sup>, [in-use paper](#)<sup>C</sup>, [instructional work](#)<sup>C</sup>, [metadata](#)<sup>C</sup>, [model](#)<sup>C</sup>, [opinion](#)<sup>C</sup>, [policy](#)<sup>C</sup>, [proposition](#)<sup>C</sup>, [questionnaire](#)<sup>C</sup>, [reference work](#)<sup>C</sup>, [reply](#)<sup>C</sup>, [report](#)<sup>C</sup>, [research paper](#)<sup>C</sup>, [review](#)<sup>C</sup>, [sound recording](#)<sup>C</sup>, [specification](#)<sup>C</sup>, [vocabulary](#)<sup>C</sup>, [work collection](#)<sup>C</sup>, [work package](#)<sup>C</sup>, [working paper](#)<sup>C</sup>

A fabio:Work can only have part or be part of another fabio:Work. Moreover, it can be realized only by fabio:Expression(s).

### work collection<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WorkCollection>

#### Authors:

A collection of works.

#### has super-classes

[work](#)<sup>C</sup>

[has part](#)<sup>op</sup> **some** [work](#)<sup>C</sup>

### work package<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WorkPackage>

A component of the case for support of a grant application, describing a particular aspect of the work to be undertaken.

#### has super-classes

[work](#)<sup>C</sup>

### workflow<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/Workflow>

A recorded sequence of connected steps, which may be automated, specifying a reliably repeatable sequence of operations to be undertaken when conducting a particular job, for example an in silico investigation that extracts and processes information from a number of bioinformatics databases.

## has super-classes

[specification](#)<sup>C</sup>

## working paper<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WorkingPaper>

An unpublished paper, usually circulated privately among a small group of peers, to provide information or with a request for comments or editorial improvement.

## has super-classes

[work](#)<sup>C</sup>

## workshop paper<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WorkshopPaper>

A paper, typically the realization of a research paper reporting original research findings, usually presented at a workshop and published within a workshop proceedings volume.

## has super-classes

[proceedings paper](#)<sup>C</sup>

## workshop proceedings<sup>C</sup>

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**IRI:** <http://purl.org/spar/fabio/WorkshopProceedings>

A document containing the programme and collected workshop papers, or their abstracts, presented at a workshop or similar event.

## has super-classes

[academic proceedings](#)<sup>C</sup>

[has part](#)<sup>OP</sup> **some** [workshop paper](#)<sup>C</sup>

## Object Properties

[has creator](#) [has discipline](#) [has embodiment](#) [has exemplar](#) [has format](#)  
[has language](#) [has license](#) [has manifestation](#) [has part](#) [has portrayal](#)  
[has primary subject term](#) [has publisher](#) [has realization](#) [has representation](#)  
[has rights](#) [has subject term](#) [is discipline of](#) [is embodiment of](#) [is exemplar of](#)  
[is in scheme](#) [is manifestation of](#) [is part of](#) [is portrayal of](#) [is realization of](#)  
[is representation of](#) [is scheme of](#) [is stored on](#) [stores](#)

## has creator<sup>OP</sup>

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**IRI:** <http://purl.org/dc/terms/creator>

An entity primarily responsible for making the resource. Examples of a Creator include a person, an organization, or a service. Typically, the name of a Creator should be used

to indicate the entity.

### has super-properties

[top object property](#)<sup>op</sup>

## has discipline<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDiscipline>

The discipline to which a subject vocabulary belongs.

### has super-properties

[top object property](#)<sup>op</sup>

### has domain

[term dictionary](#)<sup>c</sup> or [endeavour](#)<sup>c</sup>

### has range

[subject discipline](#)<sup>c</sup>

### is inverse of

[is discipline of](#)<sup>op</sup>

## has embodiment<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/vocab/frbr/core#embodiment>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#embodiment>), a property representing a manifestation that embodies an expression.

## has exemplar<sup>op</sup>

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**IRI:** <http://purl.org/vocab/frbr/core#exemplar>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#exemplar>), a property representing an item that exemplifies a manifestation.

## has format<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/dc/terms/format>

The file format, physical medium, or dimensions of the resource. Examples of dimensions include size and duration. Recommended best practice is to use a controlled vocabulary such as the list of Internet Media Types.

### has super-properties

[top object property](#)<sup>op</sup>

## has language<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/dc/terms/language>

A language of the resource. Examples include written, spoken, sign, and computer languages. Recommended best practice is to use a controlled vocabulary such as RFC 4646 [<http://www.ietf.org/rfc/rfc4646.txt>].

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**has super-properties**

[top object property](#)<sup>op</sup>

---

**has license**<sup>op</sup>

[back to ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/dc/terms/license>

A legal document giving official permission to do something with the resource.

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**has super-properties**

[top object property](#)<sup>op</sup>

---

**has manifestation**<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/hasManifestation>

A property linking a particular work to its manifestations. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

---

**has super-properties**

[related endeavour](#)<sup>op</sup>

**has domain**

[work](#)<sup>c</sup>


**has range**

[manifestation](#)<sup>c</sup>

**is inverse of**

[is manifestation of](#)<sup>fop</sup>

**has sub-property chains**

[has realization](#)<sup>op</sup>  [has embodiment](#)<sup>op</sup>

---

**has part**<sup>op</sup>

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**IRI:** <http://purl.org/vocab/frbr/core#part>

Meaning = has part. As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#part>), a property indicating that one entity includes another entity.

---

**has portrayal**<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/hasPortrayal>

A property linking a particular work to its items. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

---

**has super-properties**

[related endeavour](#)<sup>op</sup>

**has domain**

work<sup>c</sup>

**has range**

item<sup>c</sup>

**is inverse of**

[is portrayal of](#)<sup>fop</sup>

**has sub-property chains**

[has realization](#)<sup>op</sup> ◦ [has embodiment](#)<sup>op</sup> ◦ [has exemplar](#)<sup>op</sup>

**has primary subject term**<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/hasPrimarySubjectTerm>

This property is used to associate a frbr:Endeavour to a term in a particular classification system - and the term is considered one of the main topics for the endeavour in consideration.

**has super-properties**

[has subject term](#)<sup>op</sup>

**has publisher**<sup>op</sup>

[back to ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/dc/terms/publisher>

An entity responsible for making the resource available. Examples of a Publisher include a person, an organization, or a service. Typically, the name of a Publisher should be used to indicate the entity.

**has super-properties**

top object property<sup>op</sup>

**has realization**<sup>op</sup>

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**IRI:** <http://purl.org/vocab/frbr/core#realization>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#realization>), a property representing an expression that is an intellectual or artistic realization of a work.

**has representation**<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/hasRepresentation>

A property linking a particular expression to its items. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

**has super-properties**

[related endeavour](#)<sup>op</sup>

**has domain**

expression<sup>c</sup>

**has range**

[item](#)<sup>c</sup>

**is inverse of**

[is representation of](#)<sup>fop</sup>

**has sub-property chains**

[has embodiment](#)<sup>op</sup> **o** [has exemplar](#)<sup>op</sup>

[has rights](#)<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/dc/terms/rights>

Information about rights held in and over the resource. Typically, rights information includes a statement about various property rights associated with the resource, including intellectual property rights.

**has super-properties**

[top object property](#)<sup>op</sup>

[has subject term](#)<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasSubjectTerm>

This property is used to associate a frbr:Endeavour to a term in a particular classification system.

**has super-properties**

[top object property](#)<sup>op</sup>

**has sub-properties**

[has primary subject term](#)<sup>op</sup>

**has domain**

[endeavour](#)<sup>c</sup>

**has range**

[subject term](#)<sup>c</sup>

[is discipline of](#)<sup>fop</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/isDisciplineOf>

This property relates a subject vocabulary to the discipline to which it belongs.

**has super-properties**

[top object property](#)<sup>op</sup>

**has domain**

[subject discipline](#)<sup>c</sup>

**has range**

[term dictionary](#)<sup>c</sup> **or** [endeavour](#)<sup>c</sup>

**is inverse of**

[has discipline](#)<sup>op</sup>

[is embodiment of](#)<sup>fop</sup>

back to [ToC](#) or [Object Property ToC](#)



**IRI:** <http://purl.org/vocab/frbr/core#embodimentOf>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#embodimentOf>), a property representing an expression that is embodied by a manifestation.

is exemplar of<sup>op</sup>

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**IRI:** <http://purl.org/vocab/frbr/core#exemplarOf>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#embodimentOf>), a property representing a manifestation that is exemplified by an item.

is in scheme<sup>op</sup>

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**IRI:** <http://www.w3.org/2004/02/skos/core#inScheme>

This property expresses the fact that a concept is a part of a scheme.

**has super-properties**

[top object property](#)<sup>op</sup>

**has domain**

[concept](#)<sup>c</sup>

**has range**

[concept scheme](#)<sup>c</sup>

**is inverse of**

[is scheme of](#)<sup>op</sup>

is manifestation of<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/isManifestationOf>

A property linking a particular manifestation to the work it is manifesting. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

**has super-properties**

[related endeavour](#)<sup>op</sup>

**has domain**

[manifestation](#)<sup>c</sup>

**has range**

[work](#)<sup>c</sup>

**is inverse of**

[has manifestation](#)<sup>op</sup>

**has sub-property chains**

[is embodiment of](#)<sup>op</sup> ◦ [is realization of](#)<sup>op</sup>

is part of<sup>op</sup>

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**IRI:** <http://purl.org/vocab/frbr/core#partOf>

Meaning = is part of. As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#partOf>), a property indicating that one entity is a part of another entity.

## is portrayal of<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/isPortrayalOf>

A property linking a particular item to the work it portrays. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

### has super-properties

[related endeavour](#)<sup>op</sup>

### has domain

[item](#)<sup>c</sup>

### has range

[work](#)<sup>c</sup>

### is inverse of

[has portrayal](#)<sup>op</sup>

### has sub-property chains

[is exemplar of](#)<sup>op</sup> ◦ [is embodiment of](#)<sup>op</sup> ◦ [is realization of](#)<sup>op</sup>

## is realization of<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/vocab/frbr/core#realizationOf>

As defined by FRBR (<http://www.ifla.org/VII/s13/frbr/frbr1.htm>; <http://purl.org/vocab/frbr/core#realizationOf>), a property representing the work that has been realized by an expression.

## is representation of<sup>op</sup>

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**IRI:** <http://purl.org/spar/fabio/isRepresentationOf>

A property linking a particular item to the expression it represents. This property is additional to the relationships between FRBR endeavours present in the classical FRBR data model.

### has super-properties

[related endeavour](#)<sup>op</sup>

### has domain

[item](#)<sup>c</sup>

### has range

[expression](#)<sup>c</sup>

### is inverse of

[has representation](#)<sup>op</sup>

### has sub-property chains

[is exemplar of](#)<sup>op</sup> ◦ [is embodiment of](#)<sup>op</sup>

## is scheme of<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/isSchemeOf>

This property expresses the fact that a scheme contains a concept.

### has super-properties

[top object property](#)<sup>op</sup>

### has domain

[concept scheme](#)<sup>c</sup>

### has range

[concept](#)<sup>c</sup>

### is inverse of

[is in scheme](#)<sup>op</sup>

## is stored on<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/isStoredOn>

This property relates a fabio:Item to the medium upon which it is stored.

### has super-properties

[top object property](#)<sup>op</sup>

### has domain

[item](#)<sup>c</sup>

### has range

[storage medium](#)<sup>c</sup>

### is inverse of

[stores](#)<sup>op</sup>

## stores<sup>op</sup>

back to [ToC](#) or [Object Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/stores>

This property relates a storage medium to the fabio:Item stored upon it.

### has super-properties

[top object property](#)<sup>op</sup>

### has domain

[storage medium](#)<sup>c</sup>

### has range

[item](#)<sup>c</sup>

### is inverse of

[is stored on](#)<sup>op</sup>

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[has preprint dissemination date](#) [has publication date](#) [has publication year](#)  
[has PubMed Central identifier](#) [has PubMed identifier](#) [has request date](#)  
[has retraction date](#) [has season](#) [has short title](#) [has SICI](#)  
[has standard number](#) [has starting page](#) [has submission date](#) [has subtitle](#)  
[has title](#) [has translated subtitle](#) [has translated title](#) [has URL](#)  
[has validity date](#) [has version identifier](#) [has volume count](#) [has volume identifier](#)  
[has word count](#) [section](#) [uses calendar](#)

**alternate title**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/alternateTitle>

An alternative title for a resource.

**has super-properties**

[has title](#)<sup>dp</sup>

**date last updated**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/dateLastUpdated>

The date on which a particular endeavour, such as an ontology, was last updated.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

**has acceptance date**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/dateAccepted>

The date of acceptance of an entity. Examples of entities to which a Date Accepted may be relevant are a thesis (accepted by a university examination board) or an article (accepted by a journal editor).

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

## has access date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasAccessDate>

The date on which a particular digital item, such as a PDF or an HTML file, has been accessed by somebody.

### has super-properties

[has date](#)<sup>dp</sup>

### has domain

[item](#)<sup>c</sup>

### has range

date time

## has ArXiv identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasArXivId>

### is defined by

<http://arxiv.org/>

An identifier used by the preprint repository ArXiv.

### has super-properties

[has identifier](#)<sup>dp</sup>

## has character count<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasCharacterCount>

The count of the number of characters in a textual resource.

### has characteristics: functional

### has super-properties

top data property<sup>dp</sup>

### has domain

endeavour<sup>c</sup>

### has range

positive integer

## has CODEN<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasCODEN>

A CODEN is a six character, alphanumeric bibliographic identification code, that provides concise, unique and unambiguous identification of the titles of serials and non-serial publications.

### has super-properties

[has identifier](#)<sup>dp</sup>

## has copyright date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/dateCopyrighted>

The date on which an entity has been copyrighted.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date

## has copyright year<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasCopyrightYear>

The year in which an entity has been copyrighted.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

g year

## has correction date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasCorrectionDate>

The date on which something, for example a document, is corrected.

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

## has creation date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/created>

The date on which an entity has been created.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

## has date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/date>

A point or period of time associated with an event in the lifecycle of the resource. Date may be used to express temporal information at any level of granularity. Recommended best practice is to use an encoding scheme, such as the W3CDTF profile of ISO 8601 [<http://www.w3.org/TR/NOTE-datetime>].

### has sub-properties

[date last updated](#)<sup>dp</sup>, [has acceptance date](#)<sup>dp</sup>, [has access date](#)<sup>dp</sup>, [has copyright date](#)<sup>dp</sup>, [has copyright year](#)<sup>dp</sup>, [has correction date](#)<sup>dp</sup>, [has creation date](#)<sup>dp</sup>, [has date collected](#)<sup>dp</sup>, [has date received](#)<sup>dp</sup>, [has deadline](#)<sup>dp</sup>, [has decision date](#)<sup>dp</sup>, [has deposit date](#)<sup>dp</sup>, [has embargo date](#)<sup>dp</sup>, [has embargo period](#)<sup>dp</sup>, [has issue date](#)<sup>dp</sup>, [has modification date](#)<sup>dp</sup>, [has preprint dissemination date](#)<sup>dp</sup>, [has request date](#)<sup>dp</sup>, [has retraction date](#)<sup>dp</sup>, [has submission date](#)<sup>dp</sup>, [has validity date](#)<sup>dp</sup>

## has date collected<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDateCollected>

The date on which some item has been collected, for example the data gathered by means of questionnaires.

### has super-properties

[has date](#)<sup>dp</sup>

### has range

date time

## has date received<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDateReceived>

The date on which some item is received, for example a document being received by a publisher.

### has super-properties

[has date](#)<sup>dp</sup>

### has range

date time

## has deadline<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDeadline>

A date by which something has to be done.

### has super-properties

[has date](#)<sup>dp</sup>

### has range

date time

## has decision date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDecisonDate>

The date on which a particular endeavour, such as a grant application, has been or will be approved or rejected by somebody.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

## has deposit date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDepositDate>

The date on which an entity has been deposited, for example in a library, repository, supplementary information archive, database or similar place of document or information storage.

**has super-properties**

[has date](#)<sup>dp</sup>

**has domain**

[item](#)<sup>c</sup>

**has range**

date time

## has DOI<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/doi>

**is defined by**

<http://www.doi.org/>

A Digital Object Identifier for a serial publication item, a dataset or some other entity.

**has characteristics:** functional

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

[endeavour](#)<sup>c</sup>

## has edition<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/edition>

An identifier for one of several alternative issues of a magazine, a book or other resource.



## has domain

endeavour<sup>c</sup>

## has eISSN<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/eIssn>

### is defined by

<http://www.issn.org/2-22638-ISSN-and-electronic-publications.php>

An International Standard Serial Number, ISSN, for electronic versions of serial publications.

**has characteristics:** functional

### has super-properties

[has identifier<sup>dp</sup>](#)

### has domain

endeavour<sup>c</sup>

## has electronic article identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasElectronicArticleIdentifier>

A local identifier for an article within an electronic (i.e. on line, in HTML format) periodical issue. Use in preference to prism:startingPage when the article lacks page numbers

### has super-properties

[top data property<sup>dp</sup>](#)

### has domain

endeavour<sup>c</sup>

## has embargo date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasEmbargoDate>

The date before which an entity should not be published, or before which a press release should not be reported on. For open-access journal articles, the embargo date is the date before which availability of the open-access version of the article is restricted by the publisher, following subscription-access availability of the published work. The duration of the embargo period can be specified by fabio:hasEmbargoDuration.

**has characteristics:** functional

### has super-properties

[has date<sup>dp</sup>](#)

### has range

date time

## has embargo period<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasEmbargoDuration>

The time period for which an entity is embargoed. During this period, the entity should not be published or, in the case of a press release, should not be reported on. For open-access journal articles, the embargo duration specifies that period of time during which availability of the open-access version of the article is delayed by the publisher, following subscription-access availability of the published work. The end of the embargo period can be specified by `fabio:hasEmbargoDate`.

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**has super-properties**

[has date](#)<sup>dp</sup>

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**has ending page**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/endingPage>

Identifies the last page of an entity such as a journal article.

---

**has characteristics:** functional

**has super-properties**

[top data property](#)<sup>dp</sup>

**has domain**

[endeavour](#)<sup>c</sup>

---

**has handle**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasHandle>

**is defined by**

<http://www.handle.net/>

A persistent identifier of the Handel system for digital objects and other resources on the Internet.

---

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

[endeavour](#)<sup>c</sup>

**has range**

[string](#)

---

**has identifier**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/identifier>

A unique and unambiguous reference to the resource within a given context. Recommended best practice is to identify the resource by means of a string conforming to a formal identification system.

---

**has sub-properties**

[has ArXiv identifier](#)<sup>dp</sup>, [has CODEN](#)<sup>dp</sup>, [has DOI](#)<sup>dp</sup>, [has ISBN](#)<sup>dp</sup>, [has ISSN](#)<sup>dp</sup>, [has ISSN-L](#)<sup>dp</sup>, [has National Library of Medicine journal identifier](#)<sup>dp</sup>, [has National Library of Medicine journal title abbreviation](#)<sup>dp</sup>, [has PII](#)<sup>dp</sup>, [has PubMed Central](#)

[identifier<sup>dp</sup>](#), [has PubMed identifier<sup>dp</sup>](#), [has SIC<sup>dp</sup>](#), [has URL<sup>dp</sup>](#), [has eISSN<sup>dp</sup>](#), [has handle<sup>dp</sup>](#), [has patent number<sup>dp</sup>](#), [has standard number<sup>dp</sup>](#)

## has ISBN<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/isbn>

The International Standard Book Number, ISBN, used to identify published books or, more rarely, journal issues.

**has characteristics:** functional

**has super-properties**

[has identifier<sup>dp</sup>](#)

**has domain**

[endeavour<sup>c</sup>](#)

## has ISSN<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/issn>

**is defined by**

<http://www.issn.org/>

The International Standard Serial Number, ISSN, an identifier for serial publications.

**has characteristics:** functional

**has super-properties**

[has identifier<sup>dp</sup>](#)

**has domain**

[endeavour<sup>c</sup>](#)

## has ISSN-L<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasIssnL>

**is defined by**

<http://www.issn.org/2-22637-What-is-an-ISSN-L.php>

A linking International Standard Serial Number.

**has super-properties**

[has identifier<sup>dp</sup>](#)

## has issue date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/issued>

Date of formal issuance of a resource (e.g. a publication or a patent).

**has super-properties**

[has date<sup>dp</sup>](#)

**has sub-properties**

[has publication date](#)<sup>dp</sup>, [has publication year](#)<sup>dp</sup>

**has range**

date time

**has issue identifier**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/issueIdentifier>

An identifier used to identify a specific issue of a magazine, a journal or other resource.

**has characteristics:** functional

**has domain**

endeavour<sup>c</sup>

**has keyword**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/keyword>

A property used to tag a resource with a keyword that is likely to be used in search queries.

**has super-properties**

[top data property](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has modification date**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/modified>

The date on which an entity has been modified.

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

**has National Library of Medicine journal identifier**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasNationalLibraryOfMedicineJournalId>

**is defined by**

<http://www.nlm.nih.gov/>

An internal identifier for journals available from the National Library of Medicine repository.

**has characteristics:** functional

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

[has National Library of Medicine journal title abbreviation](#)<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasNLMJournalTitleAbbreviation>

An internal identifier for the abbreviation of the title of journals available from the National Library of Medicine repository.

**has super-properties**

[has identifier](#)<sup>dp</sup>

[has short title](#)<sup>dp</sup>

[has number](#)<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasSequenceIdentifier>

A literal (for example a number or a letter) that identifies the sequence position of a work within a particular context, for example a book in a book series, a chapter in a document, a volume in a journal.

**has super-properties**

[top data property](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

[has page count](#)<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPageCount>

The count of the number of pages in a textual resource.

**has characteristics:** functional

**has super-properties**

[top data property](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

positive integer

[has page range](#)<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/pageRange>

Identifies the page range of an entity such as a journal article.

**has characteristics:** functional

**has super-properties**

top data property<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has patent number**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPatentNumber>

A unique identifying number issued by a patent authority to identify a patent, displayed at the beginning of the patent document.

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has PII**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPII>

Has Publisher Item Identifier

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has preprint dissemination date**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasDistributionDate>

The date on which something is distributed, for example the date on which a preprint of a document is e-mailed to colleagues and other academics by the author(s), or the date on which a printed announcement of forthcoming theatre events is mailed to those those on the theatre's mailing list.

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

**has publication date**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/publicationDate>

The date on which a resource is published or disclosed.

**has characteristics:** functional

**has super-properties**

[has issue date](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

### has range

date **or** g year **or** g year month

The date on which a document or entity is published. The date can be expressed in three different formats: - yyyy-mm-dd (i.e., xsd:date) - yyyy-mm (i.e., xsd:gYearMonth) - yyyy (i.e., xsd:gYear)

### has publication year<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPublicationYear>

The year in which a resource is published.

**has characteristics:** functional

**has super-properties**

[has issue date](#)<sup>dp</sup>

**has range**

g year

### has PubMed Central identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPubMedCentralId>

**is defined by**

<http://www.ncbi.nlm.nih.gov/pmc/>

An identifier for bibliographic entities hosted by the PubMed Central repository.

**has characteristics:** functional

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

string

### has PubMed identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasPubMedId>

**is defined by**

<http://www.ncbi.nlm.nih.gov/pubmed/>

An identifier for bibliographic records held by the PubMed repository.

**has characteristics:** functional

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**  
string

**has request date**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasRequestDate>

The date on which an agent is requested to do something, for example a reviewer is requested to write a review of a paper submitted to a journal for publication, or an author is requested to supply a revised version of the paper in response to the reviews received.

**has super-properties**

[has date](#)<sup>dp</sup>

**has retraction date**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasRetractionDate>

The date on which something, for example a claim or a journal article, is retracted.

**has characteristics:** functional

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

**has season**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasSeason>

Permits specification of the season of the year, for example spring, summer, autumn and winter in British English.

**has super-properties**

top data property<sup>dp</sup>

**has short title**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasShortTitle>

A short version of the title of an entity, typically used to label or refer to a particular entity in an abbreviated form, for example an abbreviated journal title in a reference, or a short title of a document used as the running title in a page header.

**has super-properties**

[has title](#)<sup>dp</sup>

**has sub-properties**

[has National Library of Medicine journal title abbreviation](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>



**has range**  
string

**has SICI**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasSICI>

**is defined by**

[http://www.niso.org/apps/group\\_public/project/details.php?project\\_id=75](http://www.niso.org/apps/group_public/project/details.php?project_id=75)

The Serial Item and Contribution Identifier is a code used to uniquely identify specific volumes, articles or other identifiable parts of a periodical. It is intended primarily for use by those members of the bibliographic community involved in the use or management of serial titles and their contributions.

**has characteristics:** functional

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

string

**has standard number**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasStandardNumber>

The number defining an international standard, for example Z39.96 - 201x, identifying NISO JATS, the Journal Article Tag Suite.

**has super-properties**

[has identifier](#)<sup>dp</sup>

**has starting page**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/startingPage>

Identifies the first page of an entity such as a journal article.

**has characteristics:** functional

**has super-properties**

top data property<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has submission date**<sup>dp</sup>

back to [ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/dateSubmitted>

The date on which an entity has been submitted. Examples of resources to which a Date Submitted may be relevant are a thesis (submitted to a university department), a grant application (submitted to a funding agency) or an article (submitted to a journal).

**has super-properties**

[has date](#)<sup>dp</sup>

**has range**

date time

**has subtitle**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasSubtitle>

A secondary title that follows the main title of a work.

**has super-properties**

[has title](#)<sup>dp</sup>

**has domain**

endeavour<sup>c</sup>

**has range**

string

**has title**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/title>

A name given to a resource. Typically, the title will be the name by which the resource is formally known.

**has sub-properties**

[alternate title](#)<sup>dp</sup>, [has short title](#)<sup>dp</sup>, [has subtitle](#)<sup>dp</sup>, [has translated subtitle](#)<sup>dp</sup>, [has translated title](#)<sup>dp</sup>

**has translated subtitle**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasTranslatedSubtitle>

A version of the subtitle of an entity translated into another language, which may be specified using the object property dcterms:language.

**has super-properties**

[has title](#)<sup>dp</sup>

**has translated title**<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasTranslatedTitle>

A version of the title of an entity translated into another language, which may be specified using the object property dcterms:language.

**has super-properties**

[has title](#)<sup>dp</sup>

## has URL<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasURL>

An identifier, in form of a URL, for a particular resource.

### has super-properties

[has identifier](#)<sup>dp</sup>

### has domain

[endeavour](#)<sup>c</sup>

### has range

[any u r i](#)

## has validity date<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/dc/terms/valid>

Date (often a range) of validity of a resource.

### has super-properties

[has date](#)<sup>dp</sup>

### has range

[date time](#)

## has version identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/versionIdentifier>

An identifier for a version of a resource, for example a text book, a draft of an article, or a data file.

### has super-properties

[top data property](#)<sup>dp</sup>

### has domain

[endeavour](#)<sup>c</sup>

## has volume count<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/hasVolumeCount>

The count of the number of volumes a work includes.

**has characteristics:** functional

### has super-properties

[top data property](#)<sup>dp</sup>

### has domain

[endeavour](#)<sup>c</sup>

### has range

[non negative integer](#)

## has volume identifier<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/volume>

An identifier for a particular volume of a resource, such as a journal or a multi-volume book.

**has characteristics:** functional

**has domain**

[endeavour](#)<sup>c</sup>

## has word count<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://prismstandard.org/namespaces/basic/2.0/wordCount>

The count of the number of words in a textual resource.

**has characteristics:** functional

**has super-properties**

[top data property](#)<sup>dp</sup>

**has domain**

[endeavour](#)<sup>c</sup>

**has range**

[positive integer](#)

## section<sup>dp</sup>

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**IRI:** <http://prismstandard.org/namespaces/basic/2.0/section>

The name or identifier of the section or part of a resource, for example Part 2 of Issue 6 of Volume 127 of the Journal of Cell Biology, or the Travel Section of a newspaper issue.

**has super-properties**

[top data property](#)<sup>dp</sup>

## uses calendar<sup>dp</sup>

[back to ToC](#) or [Data Property ToC](#)

**IRI:** <http://purl.org/spar/fabio/usesCalendar>

A property that identifies the calendar system used to specify a date, for example the Chinese, Gregorian, Hebrew, Islamic or Lunar calendar.

**has characteristics:** functional

**has super-properties**

[top data property](#)<sup>dp</sup>

# Named Individuals

[analog magnetic tape](#) [CD](#) [cloud](#) [digital magnetic tape](#) [digital versatile disc](#)  
[film](#) [floppy disk](#) [HD](#) [internet](#) [intranet](#) [paper](#) [RAM](#) [solid state memory](#)  
[vinyl disk](#) [WWW](#)

[analog magnetic tape](#)<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/analog-magnetic-tape>

An analog medium for magnetic recording of audio and video information, made of a thin magnetizable coating on a long, narrow plastic tape, typically wound on a spool.

**belongs to**

[analog storage medium](#)<sup>c</sup>

[CD](#)<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/cd>

A non-rewritable optical disc used to store digital data.

**belongs to**

[digital storage medium](#)<sup>c</sup>

[cloud](#)<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/cloud>

A distributed and commoditized Internet-based computing resource, whereby shared services, software programs, and information storage facilities are provided to computers and other devices on demand, at locations of which the user may be unaware, like the electricity grid.

**belongs to**

[digital storage medium](#)<sup>c</sup>

[digital magnetic tape](#)<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/digital-magnetic-tape>

A rewritable digital medium for magnetic recording of audio, video and other data, made of a thin magnetizable coating on a long, narrow strip of plastic, usually wound on a spool.

**belongs to**

[digital storage medium](#)<sup>c</sup>

[digital versatile disc](#)<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/dvd>

A non-rewritable optical disc storage medium resembling a compact disc (CD), usually used for video and data storage. A DVD has the same physical dimensions as a CD, but is capable of storing more than six times as much data.

**belongs to**

[digital storage medium](#)<sup>C</sup>

**film**<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/film>

A thin flexible strip of plastic or other material coated with light-sensitive emulsion upon which images can be recorded, typically using a camera, usually used to record photographic images or motion pictures.

**belongs to**

[analog storage medium](#)<sup>C</sup>

**floppy disk**<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/floppy-disk>

A rewritable data storage medium that is composed of a disk of thin, flexible (floppy) magnetic storage medium encased in a square or rectangular plastic shell. Data are encoded magnetically by a read/write head that float on a cushion of air in close proximity to the surface of the rotated disk.

**belongs to**

[digital storage medium](#)<sup>C</sup>

**HD**<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/hard-drive>

A non-volatile storage device for digital data, composed of one or more rigid discs (platters) mounted side by side on a motor-driven spindle within a metal case. Data are encoded magnetically by read/write heads that float on cushions of air in close proximity to the surfaces of the rotated platters.

**belongs to**

[digital storage medium](#)<sup>C</sup>

**internet**<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/internet>

A global system of interconnected computer networks that uses the standard Internet Protocol Suite (TCP/IP) to serve billions of users worldwide. The internet connects millions of private, public, academic, business and governmental computers, that are individually attached to local networks linked together by a broad array of electronic, radio and optical networking technologies to form the internet.

**belongs to**

[digital storage medium](#)<sup>C</sup>

**IRI:** <http://purl.org/spar/fabio/intranet>

A private computer network, unconnected to the internet or separated from it by a firewall, that uses a network operating system and Internet Protocol technologies to permit an organization's information to be shared securely within that organization.

**belongs to**

[digital storage medium](#)<sup>c</sup>

**IRI:** <http://purl.org/spar/fabio/paper>

A thin flat material, typically made from wood pulp, mainly used for writing upon, for printing upon or for packaging.

**belongs to**

[analog storage medium](#)<sup>c</sup>

**IRI:** <http://purl.org/spar/fabio/ram>

Abbreviation of Random Access Memory. A form of rewritable computer data storage that takes the form of integrated circuits that allow data to be stored and accessed in any order (i.e. at random), thereby achieving greater speed than for access of data stored in linear form on digital magnetic tape.

**belongs to**

[digital storage medium](#)<sup>c</sup>

**IRI:** <http://purl.org/spar/fabio/solid-state-memory>

A digital storage device built entirely from solid electronic materials with no moving parts, e.g. a USB flash drive.

**belongs to**

[digital storage medium](#)<sup>c</sup>

**IRI:** <http://purl.org/spar/fabio/vinyl-disk>

An analog sound storage medium consisting of a flat disc made of moulded vinyl plastic with an inscribed, modulated spiral groove.

**belongs to**

[analog storage medium](#)<sup>c</sup>

WWW<sup>ni</sup>

back to [ToC](#) or [Named Individual ToC](#)

**IRI:** <http://purl.org/spar/fabio/web>

A system of interlinked hypertext documents written in HTML and accessed using the HTTP protocol via the Internet.

**belongs to**

[digital storage medium](#)<sup>c</sup>

## Annotation Properties

[comment](#) [contributor](#) [creator](#) [date](#) [description](#) [label](#)  
[preferred namespace prefix](#) [preferred namespace uri](#) [rights](#) [see also](#) [title](#)  
[version info](#)

**comment**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://www.w3.org/2000/01/rdf-schema#comment>

**contributor**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/contributor>

**creator**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/creator>

**date**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/date>

**description**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/description>

**label**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://www.w3.org/2000/01/rdf-schema#label>

**preferred namespace prefix**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)



**IRI:** <http://purl.org/vocab/vann/preferredNamespacePrefix>

**preferred namespace uri**<sup>ap</sup>

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**IRI:** <http://purl.org/vocab/vann/preferredNamespaceUri>

**rights**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/rights>

**see also**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://www.w3.org/2000/01/rdf-schema#seeAlso>

**title**<sup>ap</sup>

back to [ToC](#) or [Annotation Property ToC](#)

**IRI:** <http://purl.org/dc/elements/1.1/title>

**version info**<sup>ap</sup>

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**IRI:** <http://www.w3.org/2002/07/owl#versionInfo>

## General Axioms

**All Disjoint Classes**

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[bachelor's thesis](#)<sup>c</sup>, [doctoral thesis](#)<sup>c</sup>, [master's thesis](#)<sup>c</sup>

**All Disjoint Classes**

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[authority file](#)<sup>c</sup>, [taxonomy](#)<sup>c</sup>, [thesaurus](#)<sup>c</sup>

## Namespace Declarations

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**default namespace**

<http://purl.org/spar/fabio/>

**2-0**

<http://prismstandard.org/namespaces/basic/2.0/>

**core**

<http://purl.org/vocab/frbr/core#>

**dc**

<http://purl.org/dc/elements/1.1/>

**fabio**

<https://svn.code.sf.net/p/semublishing/code/FaBiO/>

**owl**

<http://www.w3.org/2002/07/owl#>

**project**

[http://www.niso.org/apps/group\\_public/project/](http://www.niso.org/apps/group_public/project/)

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**spar**

<http://purl.org/spar/>

**terms**

<http://purl.org/dc/terms/>

**vann**

<http://purl.org/vocab/vann/>

**wiki**

<http://en.wikipedia.org/wiki/>

**www-issn-org**

<http://www.issn.org/>

**xsd**

<http://www.w3.org/2001/XMLSchema#>