



## **Work Package 4**

### **Deliverable D 4.6**

### **Application Profile for Sharing Information on Projects**

### **Final Version 2.0**

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## 1 Introduction

This document contains the requirements and a proposal for elements that can be used for exchanging metadata describing projects currently taking place in the area of ethics, within the ETHICSWEB project and from different organizations.

A project in business and science is a collaborative enterprise, frequently involving research or design, that is carefully planned to achieve a particular aim.<sup>1</sup>

The document proposes the use of metadata elements taken primarily from the Europass vocabulary. A few elements are also taken from the Dublin Core (DC) vocabulary to complement the Europass vocabulary by providing information on projects.

We propose to use the Europass metadata schema as a basis for the extending it with additional elements taken from Dublin Core whenever necessary.

## 2 The Vocabulary Description

This document specifies the metadata element set for the Application Profile for Sharing Information on Projects (ETHICSWEB AP for Projects) in the domain of ethics and science. As such, it describes the vocabulary, not the syntax.

### 2.1 Namespaces

ETSPROJECT: <http://www.ethicsweb.org/project/2.0/>  
ETS: <http://www.ethicsweb.org/dlio/2.6/>  
EUROPASS: <http://europass.cedefop.europa.eu/Europass/V2.0>  
DC: <http://purl.org/dc/elements/1.1/>

### 2.2 Essential Definitions

The five most commonly used terms in this document are described below for the sake of clarification.

#### **Element**

An element is described as a unit of data or metadata. The element allows us to give more information about the described information.

#### **Element Refinement**

An element refinement (element qualifier) makes the meaning of an element either narrower or more specific. Additionally, an element refinement shares the meaning of the unqualified element, but with a more restricted scope. When a client does not understand the element refinement, it can be ignored and the value is used as content of the unqualified element.

#### **Encoding Scheme**

An encoding scheme aids in the interpretation of the value of an element. Encoding schemes may either be controlled vocabularies or formal notations. A value drawn from an encoding scheme can be taken from a controlled list of vocabulary (e.g. a term from a classification such as Dewey Decimal Classification (DDC) or a term from a thesaurus such as Thesaurus Ethics in the Life Sciences (TELS)). Formal notations are used to format a value of an element (e.g., date expressed

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<sup>1</sup> <http://en.wikipedia.org/wiki/Project>

the “YYYY-MM-DD” format). When a client does not understand the encoding scheme, it can be still useful for human readers.

### **Namespace**

A namespace<sup>2</sup> is a collection of names, identified by a URI reference which are used in machine readable documents as element types and attribute names.

### **Application profile**

An application profile (AP) is a type of metadata schema which consists of data profile elements drawn from one or more namespaces, combined together by implementers, and optimised for a particular local application.

We are reusing elements from relevant existing namespaces for creating the ETHICSWEB AP for Projects. We only created a new namespace for non existing elements/refinements/schemes that we would need in the field of ethics, science, and technology.

The namespaces from which the elements are taken are defined in brackets. More information about the elements is found at:

ETSPROJECT:

[http://www.ethicsweb.org/project/2.0/AP\\_Project.xsd](http://www.ethicsweb.org/project/2.0/AP_Project.xsd)

ETS:

[http://www.ethicsweb.org/dlio/2.6/AP\\_DLIO2.xsd](http://www.ethicsweb.org/dlio/2.6/AP_DLIO2.xsd)

EUROPASS:

[http://europass.cedefop.europa.eu/TechnicalResources/XML/xsd/EuropassSchema\\_V2.0.xsd](http://europass.cedefop.europa.eu/TechnicalResources/XML/xsd/EuropassSchema_V2.0.xsd)

Europass XML Schemas and XSLT Resources:

<http://europass.cedefop.europa.eu/europass/home/hornav/Downloads/TechnicalResources/XML.csp>

Dublin Core (DC):

<http://www.dublincore.org/schemas/xmls/qdc/dc.xsd>

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<sup>2</sup> <http://www.w3.org/TR/REC-xml-names/>

### 3 The ETHICSWEB AP Element Set for Projects – Version 2.0

Elements	Qualifier Element Refinement(s)	M, O, M* <sup>3</sup>	R, NR <sup>4</sup>
(ETSPROJECT) grantProgram		O	NR
(ETSPROJECT) reference		M	NR
(ETSPROJECT) title		M	NR
(ETSPROJECT) acronym		O	NR
(ETSPROJECT) coordinator		M	NR
	(ETSPROJECT) firstname	M	NR
	(ETSPROJECT) lastname	M	NR
	(ETSPROJECT) contactinfo	M	R
	(ETSPROJECT) organisation	O	R
	(ETSPROJECT) organizationFullName	M	NR
	(ETSPROJECT) organizationAcronym	O	NR
	(ETSPROJECT) country	M	NR
(ETSPROJECT) startDate		M	NR
(ETSPROJECT) endDate		O	NR
(ETSPROJECT) duration		O	NR
(ETSPROJECT) status		M	NR
(ETSPROJECT) subject		O	R
	(ETS) subjectUncontrolled	M*	R
	(ETS) subjectClassification	M*	R
	(ETS) subjectThesaurus	M*	R
(ETSPROJECT) researchArea		O	NR
(ETSPROJECT) description		O	NR
(ETSPROJECT) funding		M	NR
	(ETSPROJECT) amount	M	NR
	(ETSPROJECT) currency	M	NR
(ETSPROJECT) cost		M	NR
	(ETSPROJECT) amount	M	NR

<sup>3</sup> **Mandatory (M), Optional (O), at least one should be Mandatory (M\*):** The element could be mandatory or optional. Note that M\* is still technically mandatory. In order not to fail validation, default values are allowed. The community should agree on default or typical values that can be provided if a valid value is missing; e.g. for missing information about an email address you can give `mailto:none@none.non` or `mailto:address_of_the_organization`.

<sup>4</sup> **Repeatable (R), Not Repeatable (NR):** The element could be repeatable or not repeatable.

Elements	Qualifier Element Refinement(s)	M, O, M* <sup>3</sup>	R, NR <sup>4</sup>
	(ETSPROJECT) currency	M	NR
<b>(ETSPROJECT) contractType</b>		O	NR
<b>(ETSPROJECT) participant</b>		O	R
	(ETSPROJECT) organizationFullName	M	NR
	(ETSPROJECT) organizationAcronym	O	NR
	(ETSPROJECT) country	M	NR

## 4 Requirements of Projects Metadata

The concept of 'project' means different things to different users, or reflects different frames of reference. In this context, projects represent activities (activity).

A project usually involves a certain degree of innovation and is in contrast with 'routine' activities. It is characterized by a beginning (start) and end, and usually involves a specific team called the project team. A projects involves risk and is typically constrained by limited resources.<sup>5</sup>

At present, in many systems the sharing of information about projects is done in an ad-hoc manner, leading to over specialized formats and incompatible exchange models. Using a standard set would facilitate the efficient exchange of projects information.

The interchange standard should meet the following criteria:

- It must provide enough 'mandatory' elements to get satisfactory information about a project.
- It must be easily adoptable by different partners. The complexity should be minimized to promote wide adoption yet maintain a satisfactory level of richness in the exchanged metadata.
- It should take elements, where possible, from existing standards.

<sup>5</sup> <http://www.visitask.com/project-g.asp>

## 5 Description of Elements and Sub-elements

### 5.1 (ETSPROJECT) grantProgram

Term URI	<a href="http://www.ethicsweb.org/project/2.0/grantProgram">http://www.ethicsweb.org/project/2.0/grantProgram</a>
Name	(ETSPROJECT) grantProgram
Label	Grant Program
Definition	Type of research-related programs
Requirement	Optional
Occurrence	Not repeatable
Data Type	dc:SimpleLiteral

### 5.2 (ETSPROJECT) reference

Term URI	<a href="http://www.ethicsweb.org/project/2.0/reference">http://www.ethicsweb.org/project/2.0/reference</a>
Name	(ETSPROJECT) reference
Label	Reference
Definition	The value used to identify the project.
Requirement	Mandatory
Occurrence	Not repeatable
Data Type	xs:string

### 5.3 (ETSPROJECT) title

Term URI	<a href="http://www.ethicsweb.org/project/2.0/title">http://www.ethicsweb.org/project/2.0/title</a>
Name	(ETSPROJECT) title
Label	Title
Definition	The title of the project.
Requirement	Mandatory
Occurrence	Not repeatable
Data Type	dc:SimpleLiteral

### 5.4 (ETSPROJECT) acronym

Term URI	<a href="http://www.ethicsweb.org/project/2.0/acronym">http://www.ethicsweb.org/project/2.0/acronym</a>
Name	(ETSPROJECT) acronym
Label	Acronym
Definition	The acronym of the project.
Requirement	Optional
Occurrence	Not repeatable
Data Type	xs:string

## 5.5 (ETSPROJECT) coordinator

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/coordinator">http://www.ethicsweb.org/project/2.0/coordinator</a>
<b>Name</b>	(ETSPROJECT) coordinator
<b>Label</b>	Coordinator
<b>Definition</b>	The coordinator of the project.
<b>Refined By</b>	(ETSPROJECT) firstname
<b>Refined By</b>	(ETSPROJECT) lastname
<b>Refined By</b>	(ETSPROJECT) contactinfo
<b>Refined By</b>	(ETSPROJECT) organisation
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable

### 5.5.1 (ETSPROJECT) firstname

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/firstname">http://www.ethicsweb.org/project/2.0/firstname</a>
<b>Name</b>	(ETSPROJECT) firstname
<b>Label</b>	First Name
<b>Definition</b>	The first name of the project coordinator.
<b>Refines</b>	(ETSPROJECT) coordinator
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:string

### 5.5.2 (ETSPROJECT) lastname

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/lastname">http://www.ethicsweb.org/project/2.0/lastname</a>
<b>Name</b>	(ETSPROJECT) lastname
<b>Label</b>	Last Name
<b>Definition</b>	The last name of the project coordinator.
<b>Refines</b>	(ETSPROJECT) coordinator
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:string



### 5.5.3 (ETSPROJECT) contactinfo

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/contactinfo">http://www.ethicsweb.org/project/2.0/contactinfo</a>
<b>Name</b>	(ETSPROJECT) contactinfo
<b>Label</b>	Contact Info
<b>Definition</b>	Contact information of the project coordinator (telephone, fax, mobile, email).
<b>Refines</b>	(ETSPROJECT) coordinator
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	europass:contactinfo

### 5.5.4 (ETSPROJECT) organisation

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/organisation">http://www.ethicsweb.org/project/2.0/organisation</a>
<b>Name</b>	(ETSPROJECT) organisation
<b>Label</b>	Organisation
<b>Definition</b>	Institution of the project coordinator.
<b>Refines</b>	(ETSPROJECT) coordinator
<b>Refined by</b>	(ETSPROJECT) organizationFullName
<b>Refined by</b>	(ETSPROJECT) organizationAcronym
<b>Refined by</b>	(ETSPROJECT) country
<b>Requirement</b>	Optional
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Organisation

#### 5.5.4.1 (ETSPROJECT) organizationFullName

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/organizationFullName">http://www.ethicsweb.org/project/2.0/organizationFullName</a>
<b>Name</b>	(ETSPROJECT) organizationFullName
<b>Label</b>	Organization Full Name
<b>Definition</b>	Full name of the institution.
<b>Refines</b>	(ETSPROJECT) organisation
<b>Refines</b>	(ETSPROJECT) participant
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	dc:SimpleLiteral

#### 5.5.4.2 (ETSPROJECT) organizationAcronym

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/organizationAcronym">http://www.ethicsweb.org/project/2.0/organizationAcronym</a>
<b>Name</b>	(ETSPROJECT) organizationAcronym
<b>Label</b>	Organization Acronym
<b>Definition</b>	Acronym of the institution.
<b>Refines</b>	(ETSPROJECT) organisation
<b>Refines</b>	(ETSPROJECT) participant
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:string

#### 5.5.4.3 (ETSPROJECT) country

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/country">http://www.ethicsweb.org/project/2.0/country</a>
<b>Name</b>	(ETSPROJECT) country
<b>Label</b>	Country
<b>Definition</b>	Country of the institution.
<b>Refines</b>	(ETSPROJECT) organisation
<b>Refines</b>	(ETSPROJECT) participant
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	europass:countryCode

#### 5.6 (ETSPROJECT) startDate

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/startDate">http://www.ethicsweb.org/project/2.0/startDate</a>
<b>Name</b>	(ETSPROJECT) startDate
<b>Label</b>	Start Date
<b>Definition</b>	Date of the beginning of the project.
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:date

### 5.7 (ETSPROJECT) endDate

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/endDate">http://www.ethicsweb.org/project/2.0/endDate</a>
<b>Name</b>	(ETSPROJECT) endDate
<b>Label</b>	End Date
<b>Definition</b>	Date of the end of the project.
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:date

### 5.8 (ETSPROJECT) duration

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/duration">http://www.ethicsweb.org/project/2.0/duration</a>
<b>Name</b>	(ETSPROJECT) duration
<b>Label</b>	Duration
<b>Definition</b>	Duration of the project.
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:positiveInteger

### 5.9 (ETSPROJECT) status

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/status">http://www.ethicsweb.org/project/2.0/status</a>
<b>Name</b>	(ETSPROJECT) status
<b>Label</b>	Status
<b>Definition</b>	Status of the project.
<b>Has Encoding Scheme</b>	<ul style="list-style-type: none"> <li>• planned</li> <li>• started</li> <li>• in progress</li> <li>• extended</li> <li>• closed</li> </ul>
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	etsproject:StatusCode

## 5.10 (ETSPROJECT) subject

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/subject">http://www.ethicsweb.org/project/2.0/subject</a>
<b>Name</b>	(ETSPROJECT) subject
<b>Label</b>	Subject
<b>Definition</b>	The subject of the project.
<b>Project-specific recommendation</b>	Typically, the subject will be represented using keywords, key phrases, or classification codes. Recommended best practice is to use a controlled vocabulary.
<b>Refined by</b>	(ETS) subjectUncontrolled
<b>Refined by</b>	(ETS) subjectClassification
<b>Refined by</b>	(ETS) subjectThesaurus
<b>Requirement</b>	Optional
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Subject

### 5.10.1 (ETS) subjectUncontrolled

<b>Term URI</b>	<a href="http://www.ethicsweb.org/dlio/2.6/subjectUncontrolled">http://www.ethicsweb.org/dlio/2.6/subjectUncontrolled</a>
<b>Name</b>	(ETS) subjectUncontrolled
<b>Label</b>	Subject Uncontrolled
<b>Definition</b>	The subject of the project.
<b>Project-specific recommendation</b>	The element is used to provide free-text words which are not taken from a controlled vocabulary or classification scheme.
<b>Refines</b>	(ETSPROJECT) subject
<b>Requirement</b>	Mandatory*
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Subject

### 5.10.2 (ETS) subjectClassification

<b>Term URI</b>	<a href="http://www.ethicsweb.org/dlio/2.6/subjectClassification">http://www.ethicsweb.org/dlio/2.6/subjectClassification</a>
<b>Name</b>	(ETS) subjectClassification
<b>Label</b>	Subject Classification
<b>Definition</b>	A system of classifying information resources whereby main classes and sub-classes are designated by codes.
<b>Project-specific recommendation</b>	<p>This sub-element is used to provide the subject categories describing the content of the resource. It allows systematic arrangement and browsing of resources.</p> <p>Recommended best practice is to select a value from a classification scheme. Possible classification schemes are:</p> <ul style="list-style-type: none"> <li>• NLMC - National Library of Medicine Classification  <a href="http://wwwcf.nlm.nih.gov/class/">http://wwwcf.nlm.nih.gov/class/</a></li> <li>• DDC - Dewey Decimal Classification  <a href="http://www.oclc.org/dewey/">http://www.oclc.org/dewey/</a></li> <li>• LCC - Library of Congress Classification  <a href="http://www.loc.gov/catdir/cpsolcco/">http://www.loc.gov/catdir/cpsolcco/</a></li> <li>• UDC - Universal Decimal Classification  <a href="http://www.udcc.org/">http://www.udcc.org/</a></li> </ul>
<b>Refines</b>	(ETSPROJECT) subject
<b>Has Encoding Scheme</b>	(ETS) NLMC
<b>Has Encoding Scheme</b>	(DCTERMS) DDC
<b>Has Encoding Scheme</b>	(DCTERMS) LCC
<b>Has Encoding Scheme</b>	(DCTERMS) UDC
<b>Requirement</b>	Mandatory*
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Subject

### 5.10.3 (ETS) subjectThesaurus

<b>Term URI</b>	<a href="http://www.ethicsweb.org/dlio/2.6/subjectThesaurus">http://www.ethicsweb.org/dlio/2.6/subjectThesaurus</a>
<b>Name</b>	(ETS) subjectThesaurus
<b>Label</b>	Subject Thesaurus
<b>Definition</b>	A classified list of terms or keywords for use in indexing and information retrieval.
<b>Project-specific recommendation</b>	<p>This sub-element is used to provide descriptors from a controlled vocabulary (thesauri).</p> <p>Recommended best practice is to select a value from a controlled vocabulary.</p> <p>Possible thesauri are:</p> <ul style="list-style-type: none"> <li>• TELS - Thesaurus Ethics in the Life Sciences <a href="http://www.drze.de/thesaurus/">http://www.drze.de/thesaurus/</a></li> <li>• TESVS - Thesaurus d'éthique des sciences de la vie et de la santé <a href="http://ist.inserm.fr/CONSULT/ws/cdei/fqmb/ethique/Terms?f=MC_FR">http://ist.inserm.fr/CONSULT/ws/cdei/fqmb/ethique/Terms?f=MC_FR</a></li> <li>• TIB - Tesauo italiano di bioetica <a href="http://www.iss.it/sibi/thes/cont.php?id=827&amp;lang=2&amp;tipo=26">http://www.iss.it/sibi/thes/cont.php?id=827&amp;lang=2&amp;tipo=26</a></li> <li>• BT - Bioethics Thesaurus <a href="http://bioethics.georgetown.edu/databases/bt/">http://bioethics.georgetown.edu/databases/bt/</a></li> <li>• UNESCO Thesaurus <a href="http://databases.unesco.org/thesaurus/">http://databases.unesco.org/thesaurus/</a></li> <li>• MeSH - Medical Subject Headings <a href="http://www.nlm.nih.gov/mesh/">http://www.nlm.nih.gov/mesh/</a></li> <li>• LCSH - Library of Congress Subject Headings <a href="http://id.loc.gov/authorities/subjects.html">http://id.loc.gov/authorities/subjects.html</a></li> <li>• AGROVOC Thesaurus <a href="http://www.fao.org/agrovoc/">http://www.fao.org/agrovoc/</a></li> </ul>
<b>Refines</b>	(ETSPROJECT) subject
<b>Has Encoding Scheme</b>	(ETS) TELS
<b>Has Encoding Scheme</b>	(ETS) TESVS
<b>Has Encoding Scheme</b>	(ETS) TIB
<b>Has Encoding Scheme</b>	(ETS) BT
<b>Has Encoding Scheme</b>	(ETS) UNESCO
<b>Has Encoding Scheme</b>	(DCTERMS) MeSH
<b>Has Encoding Scheme</b>	(DCTERMS) LCSH
<b>Has Encoding Scheme</b>	(AGS) AGROVOC
<b>Requirement</b>	Mandatory*
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Subject

### 5.11 (ETSPROJECT) researchArea

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/researchArea">http://www.ethicsweb.org/project/2.0/researchArea</a>
<b>Name</b>	(ETSPROJECT) researchArea
<b>Label</b>	Research Area
<b>Definition</b>	The research area of the project.
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	dc:SimpleLiteral

### 5.12 (ETSPROJECT) description

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/description">http://www.ethicsweb.org/project/2.0/description</a>
<b>Name</b>	(ETSPROJECT) researchArea
<b>Label</b>	Description
<b>Definition</b>	Description of the project.
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	dc:SimpleLiteral

### 5.13 (ETSPROJECT) funding

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/funding">http://www.ethicsweb.org/project/2.0/funding</a>
<b>Name</b>	(ETSPROJECT) funding
<b>Label</b>	Funding
<b>Definition</b>	The funding of the project.
<b>Refined by</b>	(ETSPROJECT) amount
<b>Refined by</b>	(ETSPROJECT) currency
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	etsproject:Money

### 5.14 (ETSPROJECT) cost

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/cost">http://www.ethicsweb.org/project/2.0/cost</a>
<b>Name</b>	(ETSPROJECT) cost
<b>Label</b>	Cost
<b>Definition</b>	The cost of the project.
<b>Refined by</b>	(ETSPROJECT) amount
<b>Refined by</b>	(ETSPROJECT) currency
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	etsproject:Money

#### 5.14.1 (ETSPROJECT) amount

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/amount">http://www.ethicsweb.org/project/2.0/amount</a>
<b>Name</b>	(ETSPROJECT) amount
<b>Label</b>	Amount
<b>Definition</b>	The value of the amount.
<b>Refines</b>	(ETSPROJECT) funding
<b>Refines</b>	(ETSPROJECT) cost
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	xs:decimal

#### 5.14.2 (ETSPROJECT) currency

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/currency">http://www.ethicsweb.org/project/2.0/currency</a>
<b>Name</b>	5.14.2 (ETSPROJECT) currency
<b>Label</b>	Currency
<b>Definition</b>	Currency code.
<b>Refines</b>	(ETSPROJECT) funding
<b>Refines</b>	(ETSPROJECT) cost
<b>Has Encoding Scheme</b>	<ul style="list-style-type: none"> <li>• EUR</li> <li>• USD</li> </ul>
<b>Requirement</b>	Mandatory
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	etsproject:CurrencyCode



### 5.15 (ETSPROJECT) contractType

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/contractType">http://www.ethicsweb.org/project/2.0/contractType</a>
<b>Name</b>	(ETSPROJECT) contractType
<b>Label</b>	Contract Type
<b>Definition</b>	The contract type of the project.
<b>Requirement</b>	Optional
<b>Occurrence</b>	Not repeatable
<b>Data Type</b>	dc:SimpleLiteral

### 5.16 (ETSPROJECT) participant

<b>Term URI</b>	<a href="http://www.ethicsweb.org/project/2.0/participant">http://www.ethicsweb.org/project/2.0/participant</a>
<b>Name</b>	(ETSPROJECT) participant
<b>Label</b>	Participant
<b>Definition</b>	Institution participating in the project.
<b>Refined by</b>	(ETSPROJECT) organizationFullName
<b>Refined by</b>	(ETSPROJECT) organizationAcronym
<b>Refined by</b>	(ETSPROJECT) country
<b>Requirement</b>	Optional
<b>Occurrence</b>	Repeatable
<b>Data Type</b>	etsproject:Organisation

## 6 XML Example

This is an example of the XML file based on:

[http://cordis.europa.eu/fetch?CALLER=FP7\\_PROJ\\_EN&ACTION=D&DOC=1&CAT=PROJ&QUERY=0130452238fc:c9b7:5a1a9816&RCN=87928](http://cordis.europa.eu/fetch?CALLER=FP7_PROJ_EN&ACTION=D&DOC=1&CAT=PROJ&QUERY=0130452238fc:c9b7:5a1a9816&RCN=87928)

```
<etsproject:resources
  xsi:schemaLocation="http://www.ethicsweb.org/project/2.0/AP_Project.xsd"
  xmlns:ets="http://www.ethicsweb.org/dlio/2.6/"
  xmlns:etsproject="http://www.ethicsweb.org/project/2.0/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <etsproject:project>
    <etsproject:grantProgram xml:lang="en">
      Funded under 7th FWP (Seventh Framework Programme)
    </etsproject:grantProgram>
    <etsproject:reference>217817</etsproject:reference>
    <etsproject:title xml:lang="en">
      Inter-connected European information and documentation system for ethics
      and science: European ethics documentation centre (ETHICSWEB)
    </etsproject:title>
    <etsproject:acronym>ETHICSWEB</etsproject:acronym>
    <etsproject:researchArea xml:lang="en">
      SiS-2007-1.2.2.1 European ethics and documentation centre
    </etsproject:researchArea>
    <etsproject:coordinator>
      <etsproject:firstname>Daniela</etsproject:firstname>
      <etsproject:lastname>HASENPUSCH</etsproject:lastname>
      <etsproject:contactinfo>
        <address>
          <addressLine/>
          <municipality>BONN</municipality>
          <country>
            <code>DE</code>
            <label>GERMANY</label>
          </country>
        </address>
        <telephone>+49-228737472</telephone>
        <fax>+49-228736479</fax>
      </etsproject:contactinfo>
      <etsproject:organisation>
        <etsproject:organizationFullName xml:lang="de">
          RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAET BONN
        </etsproject:organizationFullName>
        <etsproject:country>DE</etsproject:country>
      </etsproject:organisation>
    </etsproject:coordinator>
    <etsproject:startDate>2008-06-01</etsproject:startDate>
    <etsproject:endDate>2011-08-31</etsproject:endDate>
    <etsproject:duration>39 months</etsproject:duration>
    <etsproject:status>closed</etsproject:status>
    <etsproject:subject>
      <ets:subjectUncontrolled xml:lang="en">ethics</ets:subjectUncontrolled>
      <ets:subjectUncontrolled xml:lang="en">science</ets:subjectUncontrolled>
    </etsproject:subject>
    <etsproject:description xml:lang="en">
      It is the overall aim of ETHICSWEB to stimulate an enhanced democratic
      debate on ethical issues of science and to promote a more engaged and
      informed public. Therefore, existing information and documentation systems
      will be connected to allow and ensure an easy access to comprehensive
      information on science and ethics. At the same time sophisticated tools, both
      technical and semantic, will be applied or...
    </etsproject:description>
  </etsproject:project>
</etsproject:resources>
```

```

</etsproject:description>
<etsproject:funding>
  <etsproject:amount>100000000</etsproject:amount>
  <etsproject:currency>EUR</etsproject:currency>
</etsproject:funding>
<etsproject:cost>
  <etsproject:amount>896321.00</etsproject:amount>
  <etsproject:currency>EUR</etsproject:currency>
</etsproject:cost>
<etsproject:contractType xml:lang="en">
  Coordination (or networking) actions
</etsproject:contractType>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="et">
    TARTU ULIKOOL
  </etsproject:organizationFullName>
  <etsproject:country>EE</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="de">
    EBERHARD KARLS UNIVERSITAET TUEBINGEN
  </etsproject:organizationFullName>
  <etsproject:country>DE</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="nl">
    UNIVERSITEIT MAASTRICHT
  </etsproject:organizationFullName>
  <etsproject:country>NL</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="lv">
    VILNIAUS UNIVERSITETAS
  </etsproject:organizationFullName>
  <etsproject:country>LT</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="fr">
    UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION - UNESCO
  </etsproject:organizationFullName>
  <etsproject:country>FR</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="sl">
    UNIVERZA V LJUBLJANI
  </etsproject:organizationFullName>
  <etsproject:country>SI</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="nl">
    UNIVERSITEIT UTRECHT
  </etsproject:organizationFullName>
  <etsproject:country>NL</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="sv">
    KAROLINSKA INSTITUTET
  </etsproject:organizationFullName>
  <etsproject:country>SE</etsproject:country>
</etsproject:participant>

```

```
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="da">
    CENTER FOR ETIK OG RET OVRIGE VIRKSOMHEDSFORMER
  </etsproject:organizationFullName>
  <etsproject:country>DK</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="de">
    UNIVERSITAETSMEDIZIN GOETTINGEN - GEORG-AUGUST-
    UNIVERSITAET GOETTINGEN - STIFTUNG OEFFENTLICHEN RECHTS
  </etsproject:organizationFullName>
  <etsproject:country>DE</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="en">
    CARDIFF UNIVERSITY
  </etsproject:organizationFullName>
  <etsproject:country>GB</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="it">
    ISTITUTO SUPERIORE DI SANITA
  </etsproject:organizationFullName>
  <etsproject:country>IT</etsproject:country>
</etsproject:participant>
<etsproject:participant>
  <etsproject:organizationFullName xml:lang="fr">
    INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
    (INSERM)
  </etsproject:organizationFullName>
  <etsproject:country>FR</etsproject:country>
</etsproject:participant>
</etsproject:project>
</etsproject:resources>
```

## 7 References

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- ISO 639-2  
Codes for the Representation of Names of Languages – Part 2: Alpha-3 Code  
<http://www.loc.gov/standards/iso639-2/>
- ISO 3166  
Codes for the Representation of Names of Countries  
[http://www.iso.org/iso/country\\_codes/iso\\_3166\\_code\\_lists/](http://www.iso.org/iso/country_codes/iso_3166_code_lists/)
- Namespaces in XML  
<http://www.w3.org/TR/REC-xml-names/>