

How to build and manage application profiles in OntoME

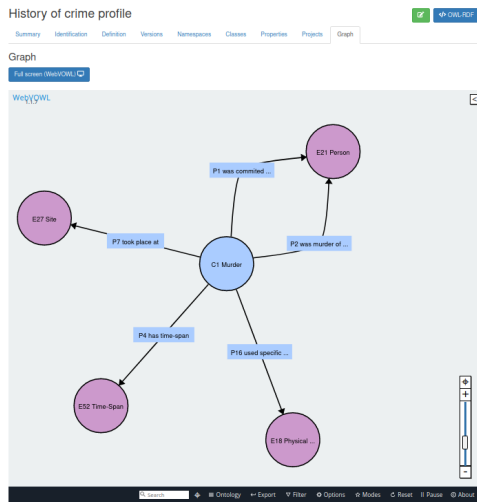
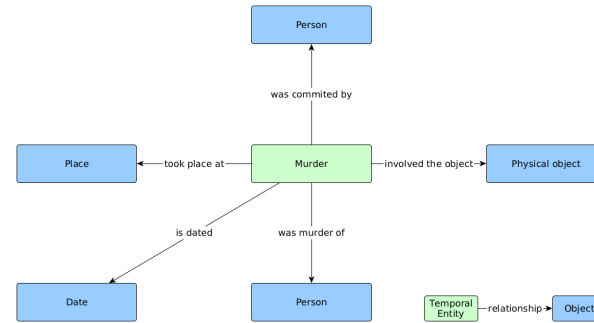
<https://ontome.net/>

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What is an application profile?

An application profile is a set of classes and properties from different namespaces, respecting ontological consistency.



The creation of a profile is most appropriate for projects where the model only requires a limited number of classes and properties.

MoViEs

Summary Identification Definition Hierarchy Namespaces Import (only admin) **Profiles** Vocabulary Members

Profiles owned by this project

Show 25 entries

Profile	Creation date
No data available in table	

Showing 0 to 0 of 0 entries

Previous Next

Profiles used by this project ?

Show 25 entries

Profile	Version	Status	API	Download
No data available in table				

OWL-RDF

Selectable profiles

Show 25 entries

Profile
+ Professional life

On your project page, activate edit mode and open the profiles tab. Click on "Create" to open the profile creation form.

A project can create as many profiles as needed.



Create +

Search:

MoViEs profile Root

Like namespaces, profiles have root and versions. 

[Summary](#) [Identification](#) [Definition](#) [Versions](#)

Versions

MoViEs profile is a **root profile**.

Ongoing version: [MoViEs profile ongoing](#)



Open the ongoing version to edit your profile.

Published versions

Show entries

Search:

Profile	Version	Status	Publication date	Current profile
No data available in table				

Showing 0 to 0 of 0 entries

MoViEs profile ongoing

- CIDOC CRM
- CRMarchaeo: An Extension of CIDOC CRM to support the archaeological excavation process
- CRMba: An extension of CIDOC CRM to support buildings archaeology documentation
- CRMdig: An Extension of CIDOC CRM to support provenance metadata
- CRMinf: An Extension of CIDOC-CRM to support argumentation
- CRMsci: An Extension of CIDOC CRM to support scientific observation
- Select a namespace

The first step is to select the namespaces from which you want to choose classes and properties.

Classes Properties Projects Graph

Open the Namespaces tab and pick a root namespace from the drop-down list.

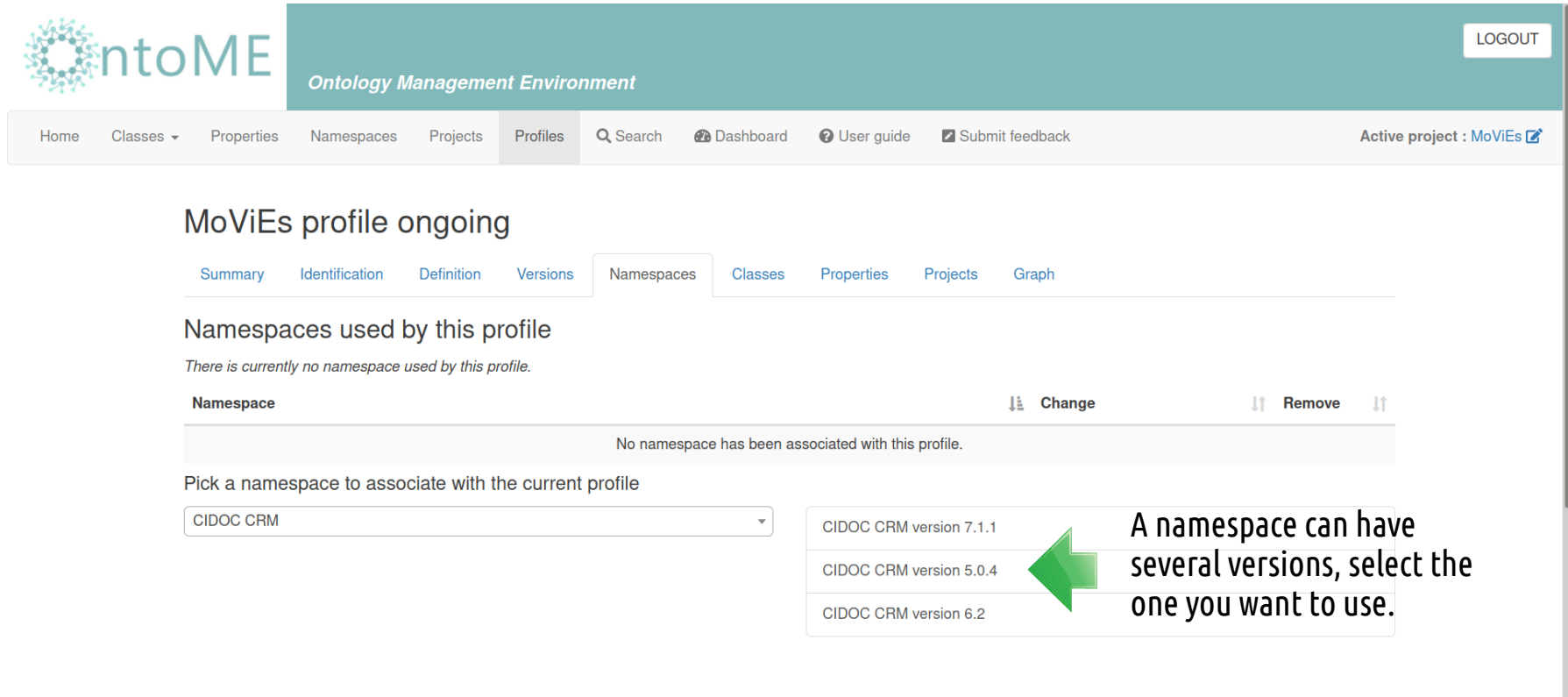


⌵ Change

⌵ Remove



Classes associated with this profile.






The screenshot shows the OntoME web interface. At the top left is the OntoME logo. The main header is teal with the text "Ontology Management Environment" and a "LOGOUT" button. Below the header is a navigation bar with links for Home, Classes, Properties, Namespaces, Projects, Profiles, Search, Dashboard, User guide, and Submit feedback. The "Active project" is MoViEs. The main content area is titled "MoViEs profile ongoing" and has tabs for Summary, Identification, Definition, Versions, Namespaces, Classes, Properties, Projects, and Graph. The "Namespaces" tab is active, showing a message: "There is currently no namespace used by this profile." Below this is a table with columns for Namespace, Change, and Remove. The table is currently empty, with a message: "No namespace has been associated with this profile." Below the table is a dropdown menu labeled "Pick a namespace to associate with the current profile" with "CIDOC CRM" selected. To the right of the dropdown is a list of three options: "CIDOC CRM version 7.1.1", "CIDOC CRM version 5.0.4", and "CIDOC CRM version 6.2". A green arrow points from the text "A namespace can have several versions, select the one you want to use." to the list of versions.

MoViEs profile ongoing

Summary Identification Definition Versions **Namespaces** Classes Properties Projects Graph

Namespaces used by this profile

⚠ Warning: Your profile includes one or more selected ongoing namespaces. An ongoing namespace can be modified at any time. It is not advisable to use its classes and properties.

Namespace	Change	Remove
CRM Activity Plans <i>Referenced:</i> CIDOC CRM version 6.2 CRMsci version 1.2.3		
FRBRoo version 2.4 <i>Referenced:</i> CIDOC CRM version 6.2		

The reference namespaces referred to by a specific namespace are automatically selected.

MoViEs profile ongoing

The second step is to add classes to your profile.

Summary Identification Definition Versions Namespaces **Classes** Properties Projects Graph

Associated classes

Show 25 entries

Search:

Identifier	Class label	Namespace	Association type	Customization
No data available in table				

Showing 0 to 0 of 0 entries

Previous Next

Simply click on the plus sign to add a class to your profile.



Selectable classes

Show 25 entries

Search:

Id	Class label	Namespace
+ actE2	Activity Plan	CRM Activity Plans
+ actE3	Intention to Apply	CRM Activity Plans
+ actE4	Event Template	CRM Activity Plans
+ E1	CRM Entity	CIDOC CRM version 6.2
+ E2	Temporal Entity	CIDOC CRM version 6.2
+ E3	Condition State	CIDOC CRM version 6.2
+ E4	Period	CIDOC CRM version 6.2

MoViEs profile ongoing

Summary Identification Definition Versions Namespaces **Classes** Properties Projects Graph

Associated classes

Show 25 entries Search:

Identifier	Class label	Namespace	Association type	Customization
actE2	Activity Plan	CRM Activity Plans	Selected	Class Properties
actE3	Intention to Apply	CRM Activity Plans	Selected	Class Properties
E74	Group	CIDOC CRM version 6.2	Selected	Class Properties
F3	Manifestation Product Type	FRBRoo version 2.4	Selected	Class Properties

Selectable classes

Show 25 entries Search:

Id	Class label	Namespace
actE2	Activity Plan	CRM Activity Plans
actE3	Intention to Apply	CRM Activity Plans
actE4	Event Template	CRM Activity Plans
E1	CRM Entity	CIDOC CRM version 6.2
E2	Temporal Entity	CIDOC CRM version 6.2
E3	Condition State	CIDOC CRM version 6.2
E4	Period	CIDOC CRM version 6.2

Associated classes are listed in the table on the left.



Note that the classes are associated without any properties!

MoViEs profile ongoing

The third step is to add properties to your profile.

Summary Identification Definition Versions Namespaces **Classes** Properties Projects Graph

Associated classes

Show entries

Search:

Identifier	Class label	Namespace	Association type	Customization
actE2	Activity Plan	CRM Activity Plans	Selected	Class Properties
actE3	Intention to Apply	CRM Activity Plans	Selected	Class Properties
E74	Group	CIDOC CRM version 6.2	Selected	Class Properties
F3	Manifestation Product Type	FRBRoo version 2.4	Selected	Class Properties

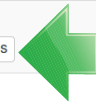
Selectable classes

Show entries

Search:

Id	Class label	Namespace
+ E1	CRM Entity	CIDOC CRM version 6.2
+ E2	Temporal Entity	CIDOC CRM version 6.2
+ E3	Condition State	CIDOC CRM version 6.2
+ E4	Period	CIDOC CRM version 6.2

Click on the "Properties" button in the row of the class whose properties you want to select.



Pick the properties from Manifestation Product Type – F3 for the MoViEs profile ongoing profile

[← Back](#)

Outgoing properties (this class is domain)

Show entries

Search:

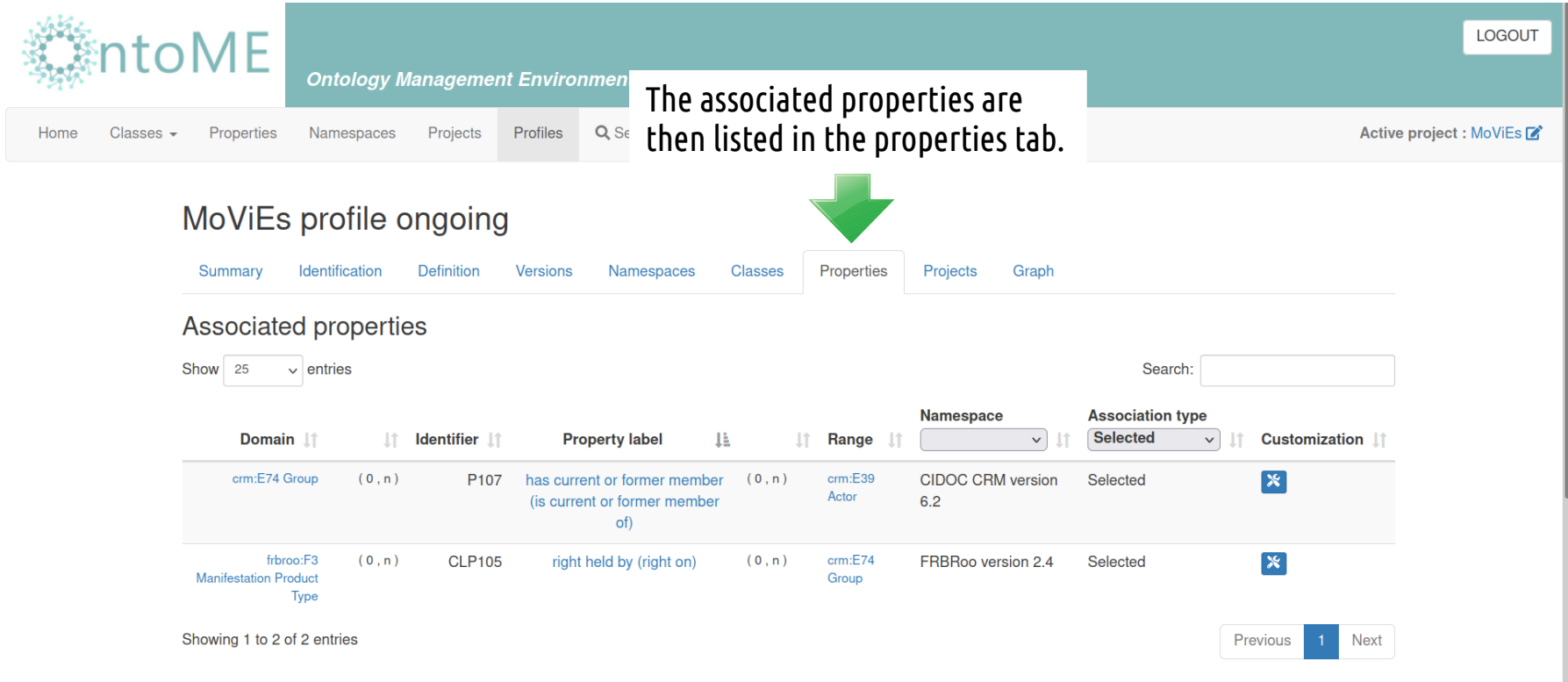
Domain	Identifier	Property label	Range	Namespace	Associate
F3 Manifestation Product Type	(0,n)	CLP2 should have type (should be type of)	(0,n) crm:E55 Type	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(1,1)	CLP43 should have dimension (should be dimension of)	(1,n) crm:E54 Dimension	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(0,n)	CLP45 should consist of (should be incorporated in)	(0,n)	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(0,n)	CLP46 should be composed of (may form part of)	(0,n)	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(0,n)	CLP57 should have number of parts	(1,1)	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(1,1)	CLP104 subject to (applies to)	(0,n)	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(0,n)	CLP105 right held by (right on)	(0,n)	FRBRoo version 2.4	<input type="checkbox"/>
F3 Manifestation Product Type	(0,n)	CLR6 should carry (should be carried by)	(1,1) frbroo:F24 Publication Expression	FRBRoo version 2.4	<input type="checkbox"/>



Simply click on a tick to add a property.



You can even choose to restrict the range of the selected property to a subclass of the range.



The associated properties are then listed in the properties tab.

MoViEs profile ongoing

Summary Identification Definition Versions Namespaces Classes **Properties** Projects Graph

Associated properties

Show entries Search:

Domain	Identifier	Property label	Range	Namespace	Association type	Customization
crm:E74 Group	(0, n)	P107 has current or former member (is current or former member of)	(0, n)	crm:E39 Actor	CIDOC CRM version 6.2	Selected <input type="checkbox"/>
frbroo:F3 Manifestation Product Type	(0, n)	CLP105 right held by (right on)	(0, n)	crm:E74 Group	FRBROO version 2.4	Selected <input type="checkbox"/>

Showing 1 to 2 of 2 entries Previous **1** Next

Explain your choice

It is good practice to explain why you have chosen a specific class or property for your profile.

OntoME includes this facility.


MoViEs profile ongoing

Summary Identification Definition Versions Namespaces **Classes** Properties

Associated classes

Show 25 entries Search:

Identifier	Class label	Namespace	Association type	Customization
actE2	Activity Plan	CRM Activity Plans	Selected	Class Properties
actE3	Intention to Apply	CRM Activity Plans	Selected	Class Properties
E74	Group	CIDOC CRM version 6.2	Selected	Class Properties
F3	Manifestation Product Type	FRBRoo version 2.4	Selected	Class Properties





For a class, click on the "Class" button in the corresponding class row.


MoViEs profile ongoing

Summary Identification Definition Versions Namespaces Classes **Properties** Projects Graph

Associated properties

Show 25 entries Search:

Domain	Identifier	Property label	Range	Namespace	Association type	Customization
crm:E74 Group	(0, n)	P107 has current or former member (is current or former member of)	(0, n)	crm:E39 Actor	CIDOC CRM version 6.2	Selected 
frbroo:F3 Manifestation Product Type	(0, n)	CLP105 right held by (right on)	(0, n)	crm:E74 Group	FRBRoo version 2.4	Selected 



For a property, click on the "Tool" button in the corresponding properties row.

You can add a justification of the selection of an entity in the profile or a use case or specific examples.

Click on "Class/Property definition" to display the scope note and examples.

Customize Manifestation Product Type - F3 in MoViEs profile ongoing profile

[← Back](#)

Class definition ▾

Justification of the selection in the profile

File ▾ Edit ▾ View ▾ Insert ▾ Format ▾

← → Formats ▾ **B** *I* [List icons] [Link icon]

In the MoViEs profile, the use of this class is limited to...

P POWERED BY TINYMCE

Language

English ▾

[Save](#) [Reset](#) [Close](#)

Use case [+ Add](#)

Not use case yet.

MoViEs profile ongoing



Summary

Identification

Definition

Versions

Namespaces

Classes

Properties

Projects

Graph

Namespaces used by this profile

FRBRoo version 2.4

Referenced:

| [CIDOC CRM version 6.2](#)

CRM Activity Plans

Referenced:

| [CIDOC CRM version 6.2](#)

| [CRMsci version 1.2.3](#)

In normal mode, or if you are viewing another project's profile, you can see the namespaces from which classes and properties have been selected.

Education ongoing



Summary Identification Definition Versions Namespaces **Classes** Properties Projects Graph

Associated classes



Show 25 entries

Search:

The classes list displays the associated classes with their belonging namespace and association type.

"Inferred" means that the class has not been explicitly selected but is domain or range of a property selected in the profile.

Identifier	Class label	Namespace	Association type	View customization
C2	Study	SDHSS Higher education and academies ongoing	Selected	
C3	Obtaining a Study Title	SDHSS Higher education and academies ongoing	Selected	
C4	Study title	SDHSS Higher education and academies ongoing	Inferred	
C5	Academic discipline	SDHSS Higher education and academies ongoing	Inferred	
C13	Geographical Place	SDHSS Semantic Data for Humanities and Social Sciences CIDOC CRM Extension ongoing	Inferred	
E21	Person	CIDOC CRM version 6.2	Inferred	
E74	Group	CIDOC CRM version 6.2	Inferred	

Showing 1 to 7 of 7 entries (filtered from 8 total entries)

Previous 1 Next

Education ongoing



Summary Identification Definition Versions Namespaces Classes **Properties** Projects Graph

Associated properties

JSON API

Show entries

Search:

The properties list displays associated properties with their belonging namespace and association type.


"Rejected" means the property has been deselected after having been first selected.

Domain	Identifier	Property label	Range	Namespace	Association type	View customization
sdh-edu:C3 Obtaining a Study Title	(0, n)	P5 has academic supervisor (is academic supervisor of)	(0, n)	crm:E21 Person	SDHSS Higher education and academies ongoing	Selected
sdh-edu:C2 Study	(0, n)	P2 has student (study of)	(1, 1)	crm:E21 Person	SDHSS Higher education and academies ongoing	Selected
sdh-edu:C3 Obtaining a Study Title	(0, n)	P11 is delivered by (delivers)	(0, n)	crm:E74 Group	SDHSS Higher education and academies ongoing	Selected
sdh-edu:C3 Obtaining a Study Title	(0, n)	P13 is obtained at (place of obtention)	(0, n)	sdh:C13 Geographical Place	SDHSS Higher education and academies ongoing	Selected
sdh-edu:C3 Obtaining a Study Title	(0, n)	P4 is obtention of (obtained in)	(1, 1)	:	SDHSS Higher education and academies ongoing	Selected

Use a profile

A project can manage as many profiles as it wishes.

It can publish its profiles using the OntoME API and also associate profiles built by other projects if needed.

SDHSS Education, Higher Education and Academies 


Summary Identification Definition Hierarchy Namespaces Profiles Vocabulary Members

Profiles owned by this project

Show 25 entries Search:

Profile	Creation date
Education	2021-06-11
Higher Education Teaching	2021-06-11

Showing 1 to 2 of 2 entries Previous 1 Next

Profiles used by this project 

Show 25 entries Search:

Profile	Version	Status	Creation date	API	Download
Biographical basics and family	1	Ongoing	2019-11-04	JSON Classes JSON Properties	OWL-RDF
Education ongoing	1	Ongoing	2021-06-11	JSON Classes JSON Properties	OWL-RDF
Higher Education Teaching ongoing	1	Ongoing	2021-06-11	JSON Classes JSON Properties	OWL-RDF
Interactions, Social Relationships and Memberships of Persons	1	Ongoing	2020-01-04	JSON Classes JSON Properties	OWL-RDF
Social and legal qualities of a person	1	Ongoing	2021-03-26	JSON Classes JSON Properties	OWL-RDF

Showing 1 to 5 of 5 entries Previous 1 Next

These profiles are then available in the API and also in a single OWL/RDF serialization or separately in JSON and OWL/RDF.

Home / Your Projects / Education, Higher Education and Academies (Common Project) Help

Ontome Profiles

Ontome Profiles are collections of classes and properties related to a specific topic. In other words: Ontome Profiles provide the model for the data in your project.

Example:

- Biographical profile
This profile combines classes and properties that identify a person and describe the essential elements of his or her biography.

Ontome itself is an open platform for the development, management and sharing of ontologies.

Activated Ontome Profiles

And in the end, applications profiles can easily be used by a data production application, like here Geovistory which is connected directly to OntoME via its API.

<https://www.geovistory.org/> Activate other profiles...

Profile Name	Managed By	Documentation Link		
> Biographical basics and family	OntoMe-Project #8	Documentation on OntoME	Deactivate...	Update...
> Identifiers	OntoMe-Project #6	Documentation on OntoME	Deactivate...	Update...
> Interactions, Social Relationships and Memberships of Persons	OntoMe-Project #8	Documentation on OntoME	Deactivate...	Update...
> Education ongoing	OntoMe-Project #96	Documentation on OntoME	Deactivate...	Update...
> Higher Education Teaching ongoing	OntoMe-Project #96	Documentation on OntoME	Deactivate...	Update...
> Groups and organizations ongoing	OntoMe-Project #64	Documentation on OntoME	Deactivate...	Update...
> Intellectual and literary life	OntoMe-Project #47	Documentation on OntoME	Deactivate...	Update...
> Social and legal qualities of a person	OntoMe-Project #64	Documentation on OntoME	Deactivate...	Update...
> Geovistory Basics	OntoMe-Project #6	Documentation on OntoME	Deactivate...	Update...