How to build and manage application profiles in OntoME

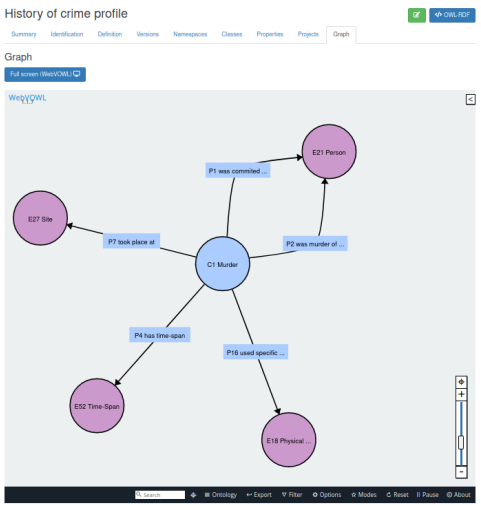
https://ontome.net/

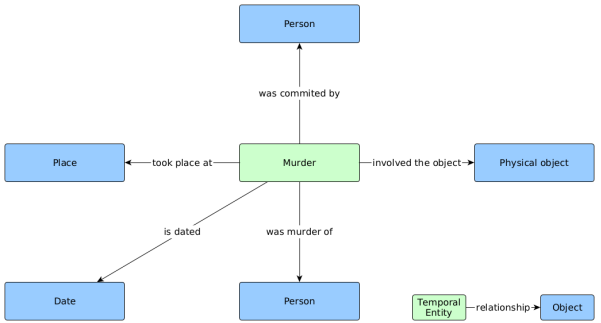
Vincent Alamercery
(École normale supérieure de Lyon - LARHRA)

55th CIDOC CRM SIG Meeting – C²DH Université du Luxembourg
7 December 2022

What is an application profile?

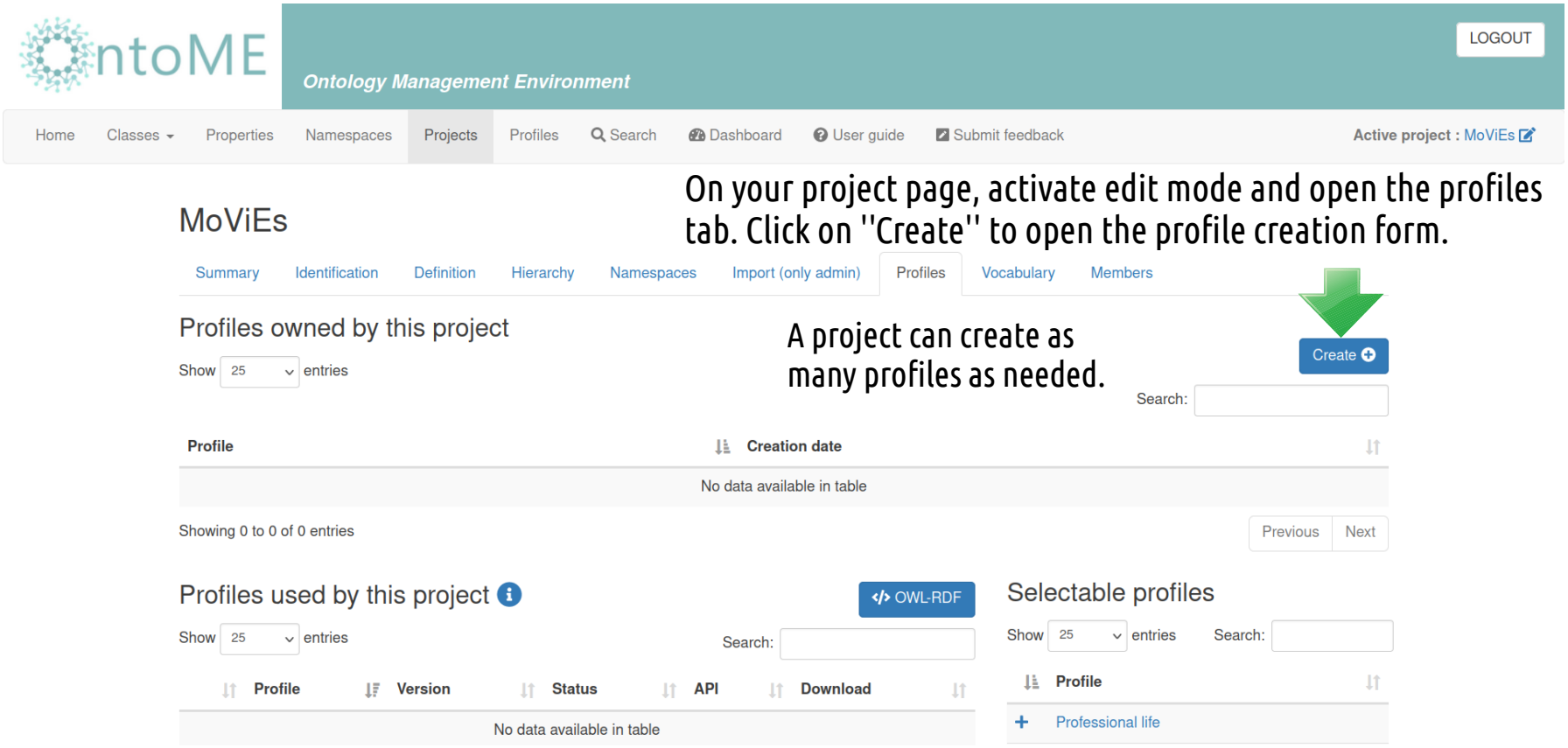
An application profile is a set of classes and properties from different namespaces, respecting ontological consistency.



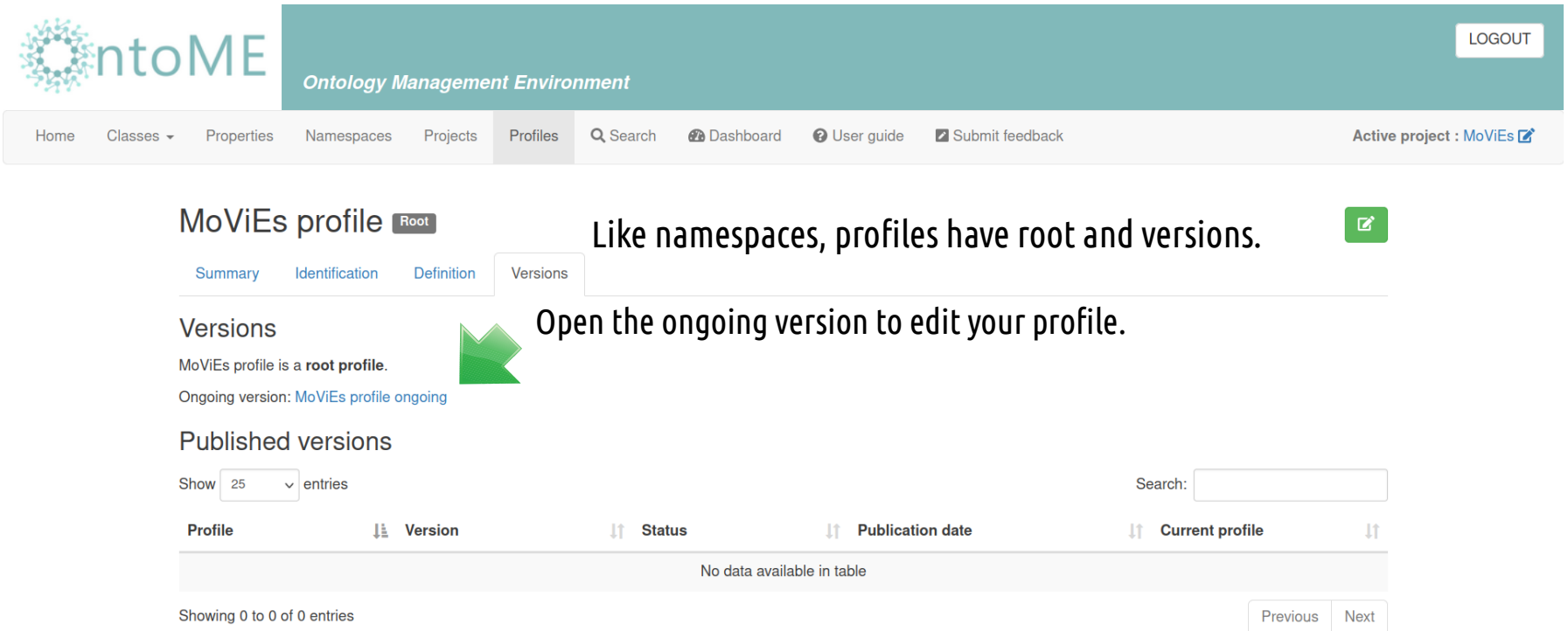


The creation of a profile is most appropriate for projects where the model only requires a limited number of classes and properties.

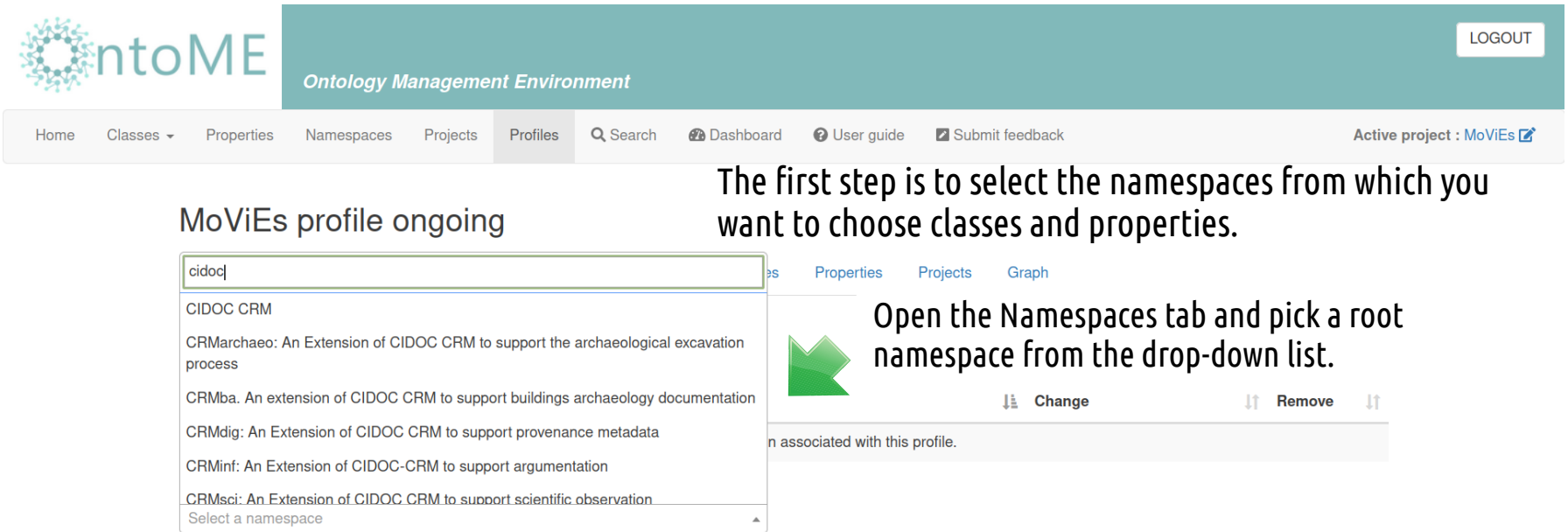
Create a new profile



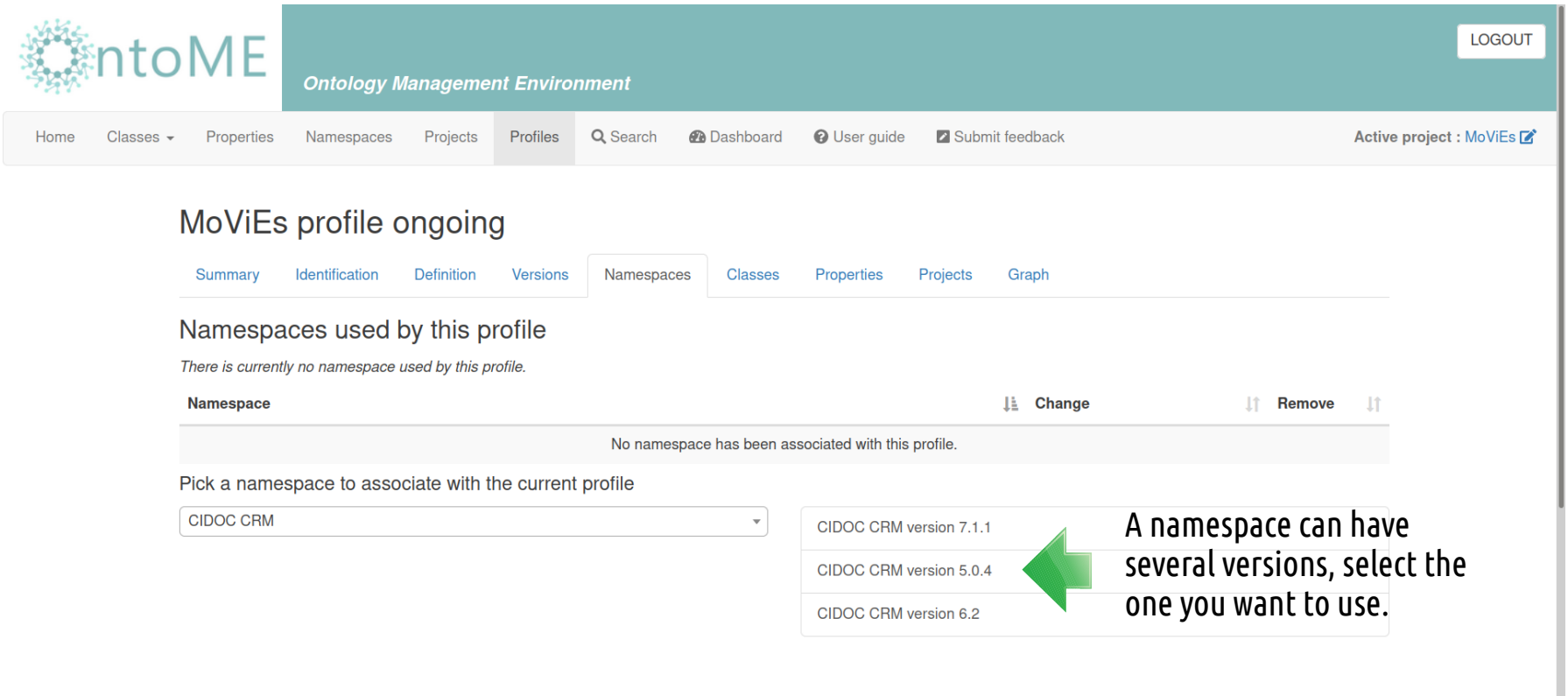
Root profile and versions



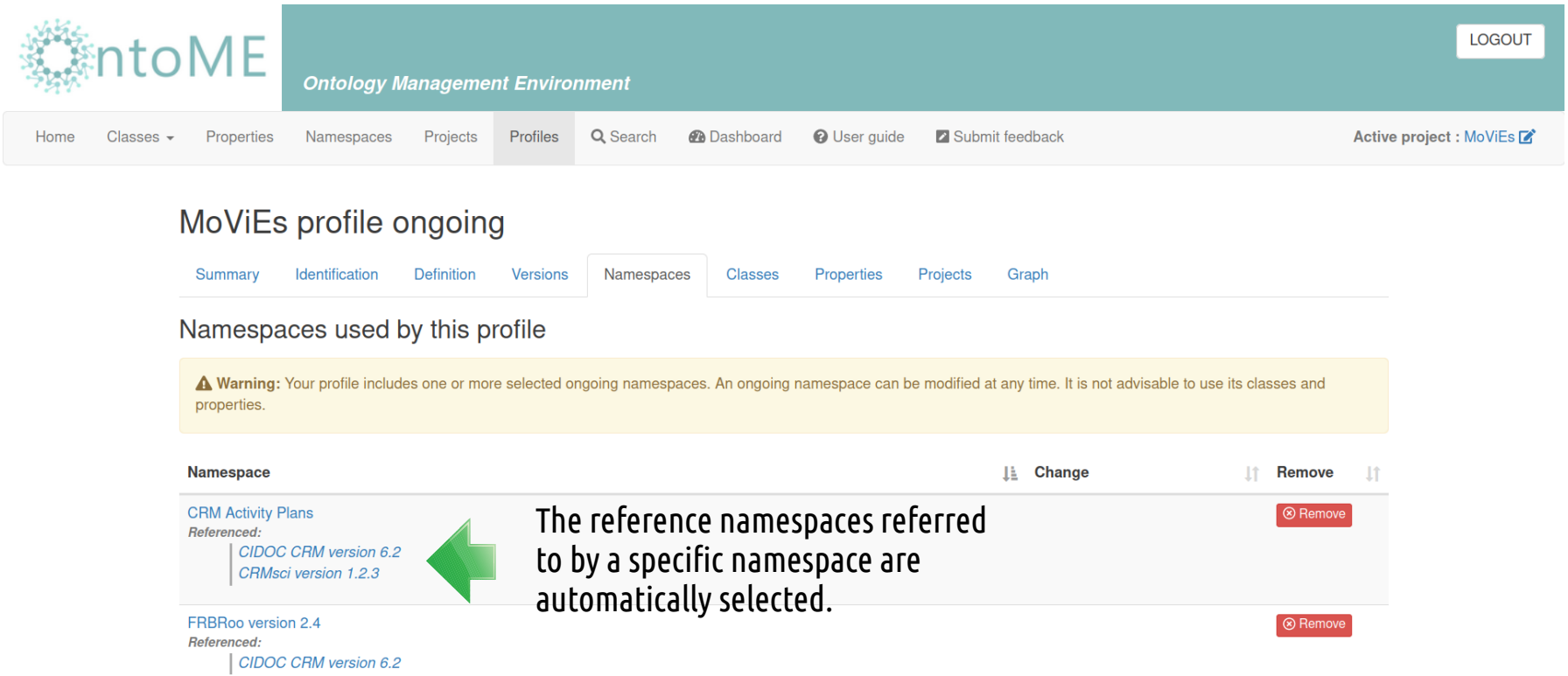
Select namespaces...



...and versions

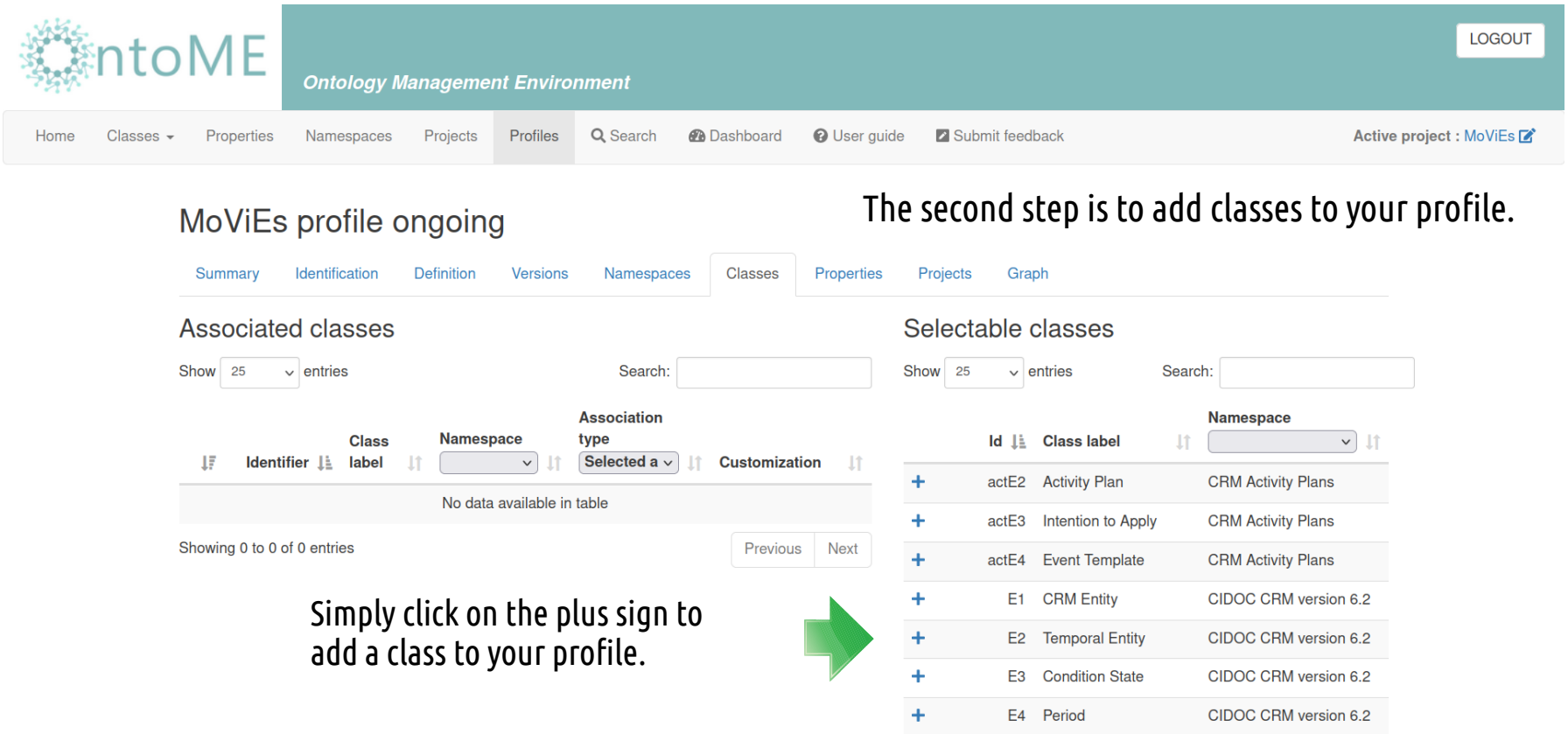


Reference namespaces



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

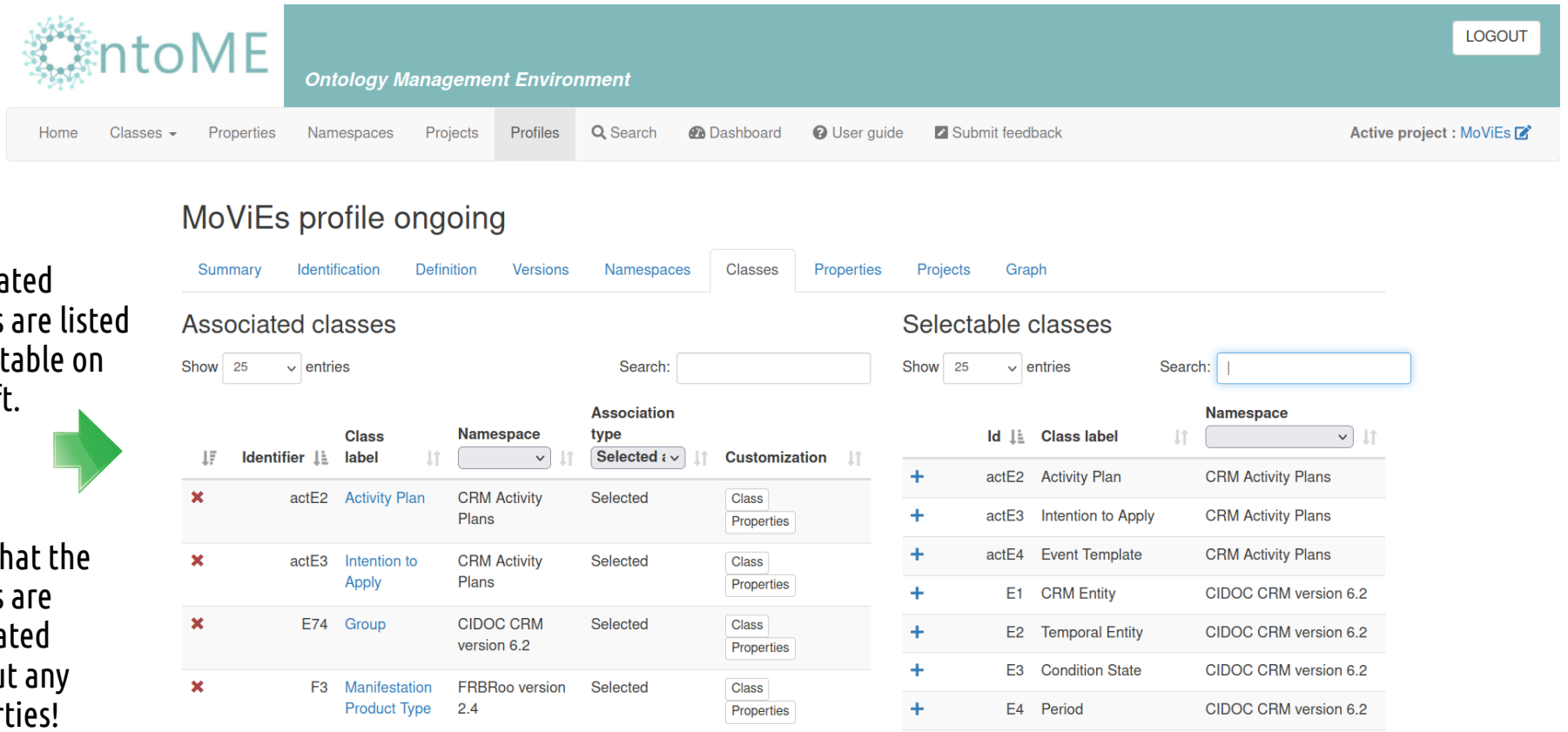
Select classes



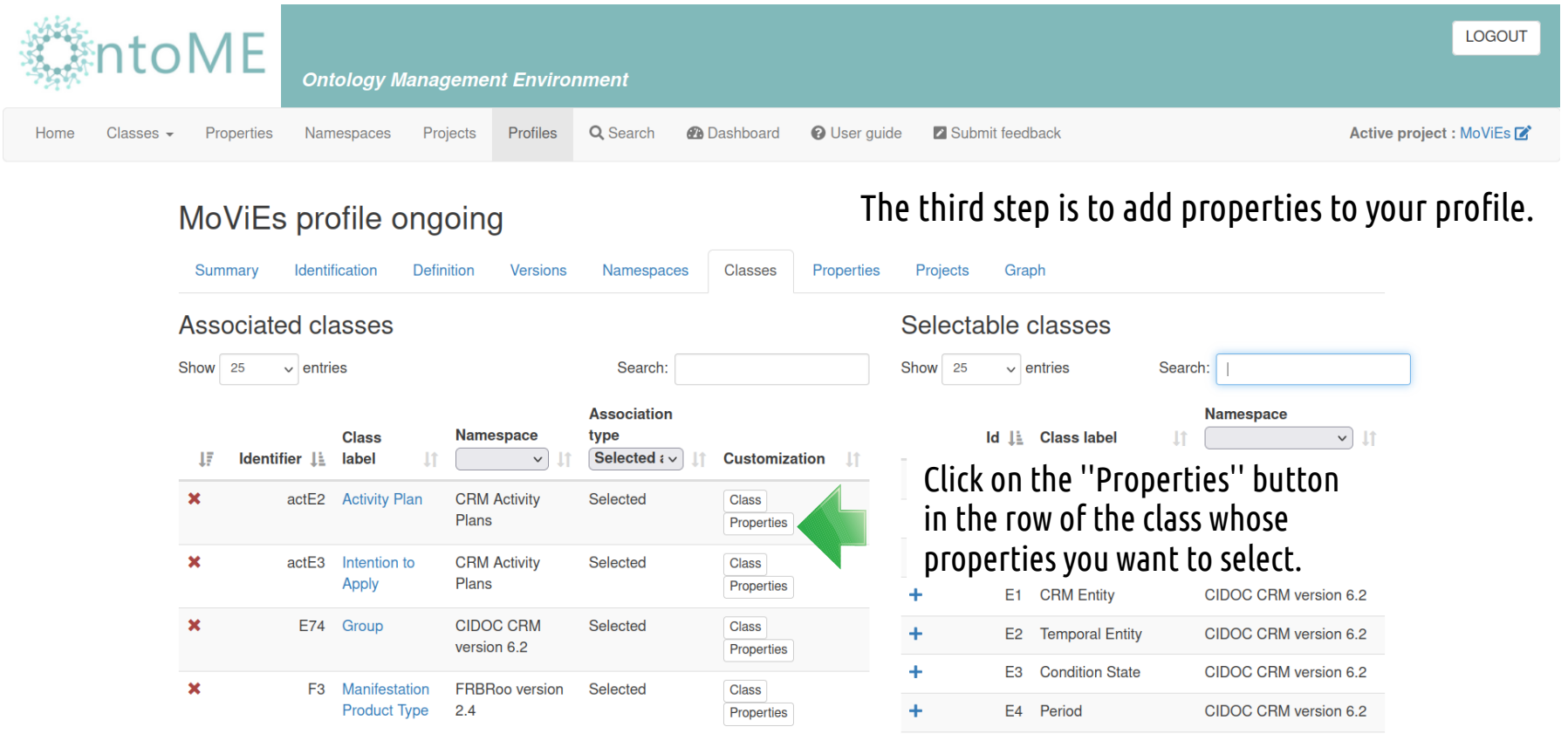
Select classes

Associated classes are listed in the table on the left.

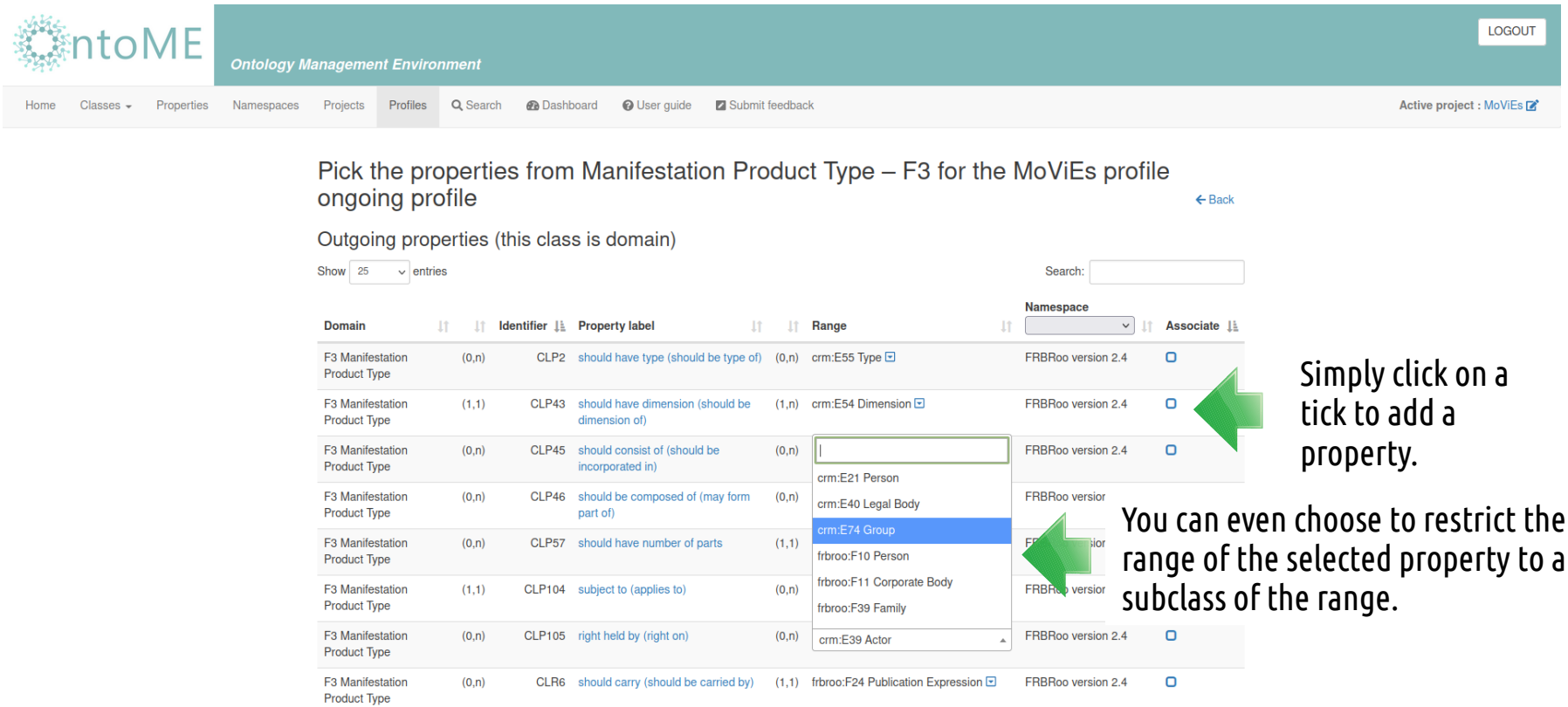
Note that the classes are associated without any properties!



Select properties



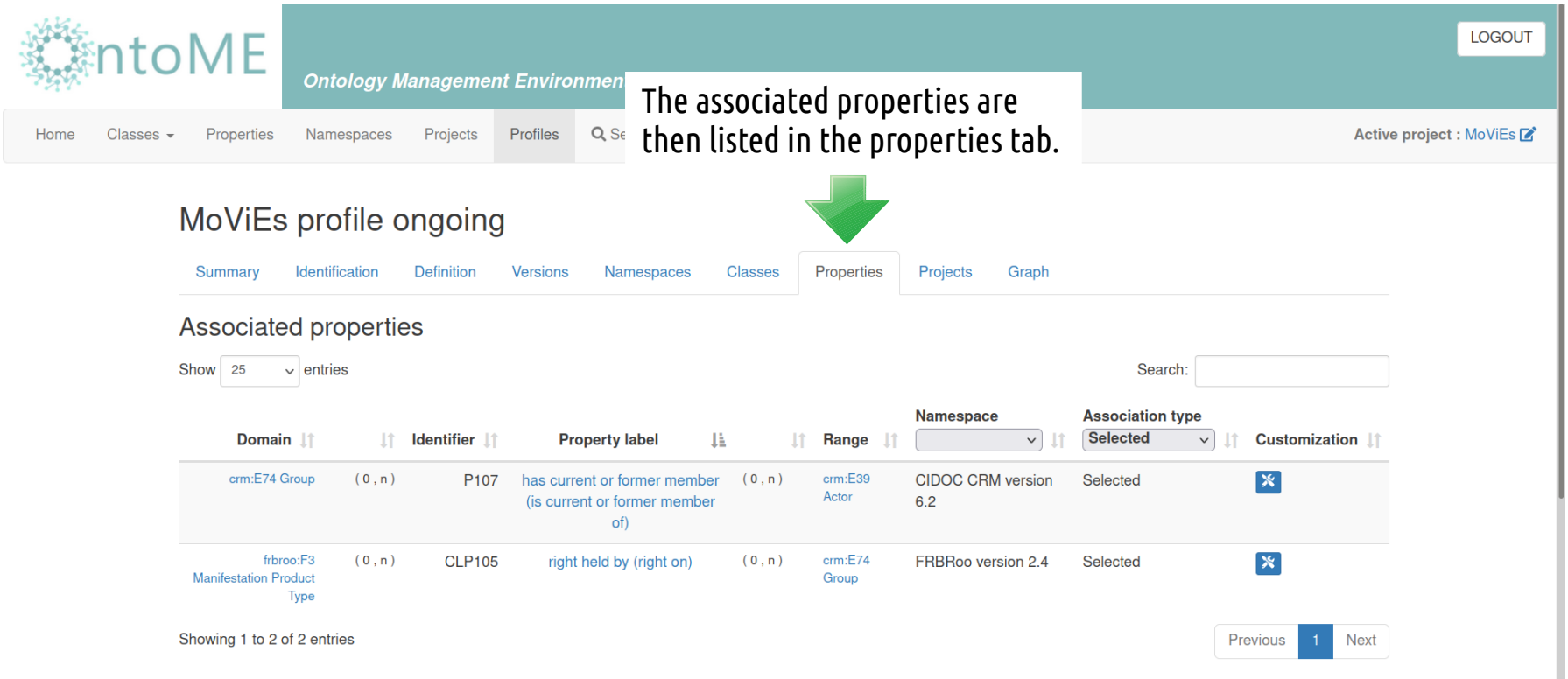
Select properties



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.

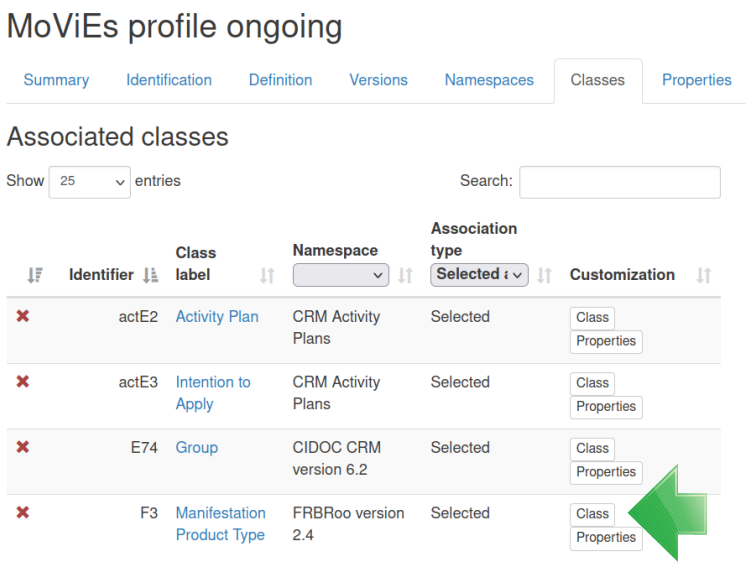
Select properties



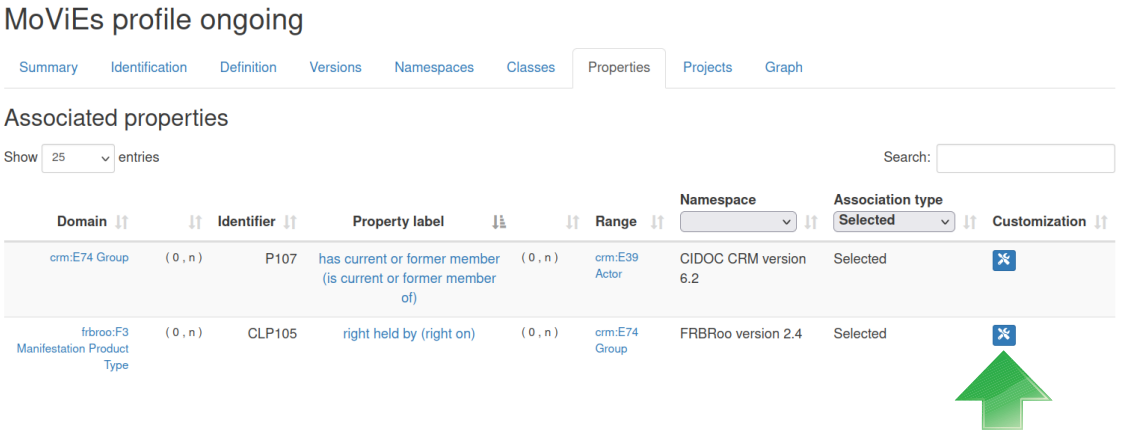
Explain your choice

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

OntoME includes this facility.



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

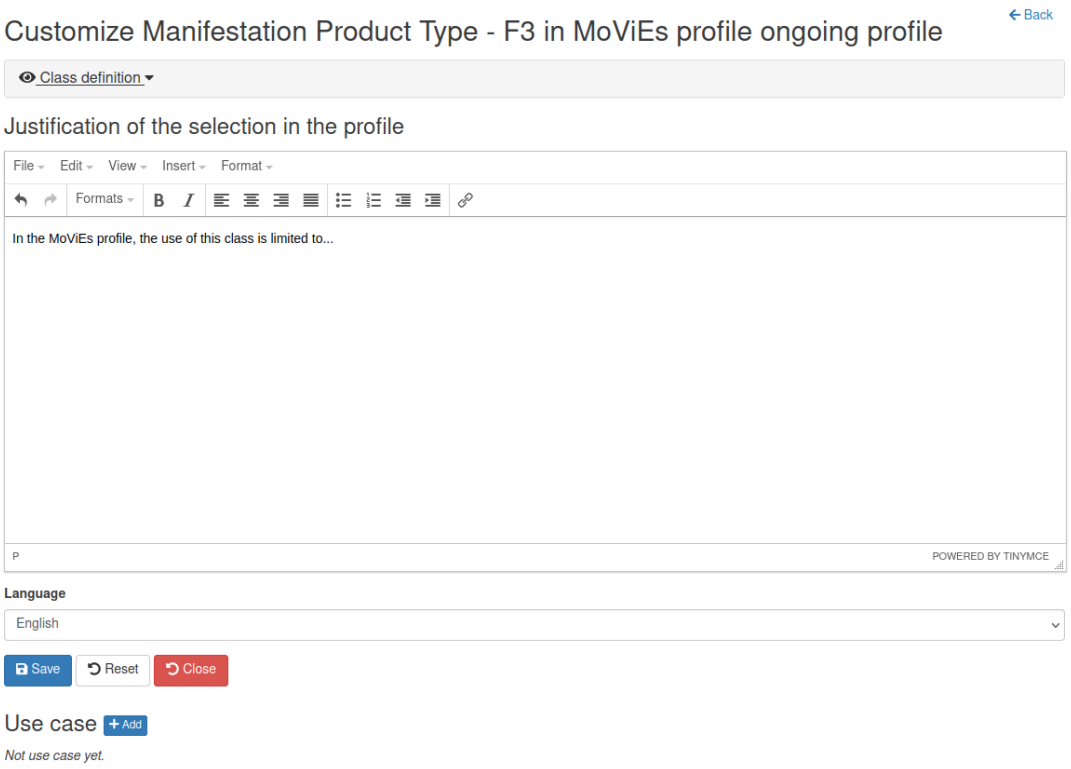


For a property, click on the "Tool" button in the corresponding properties row.

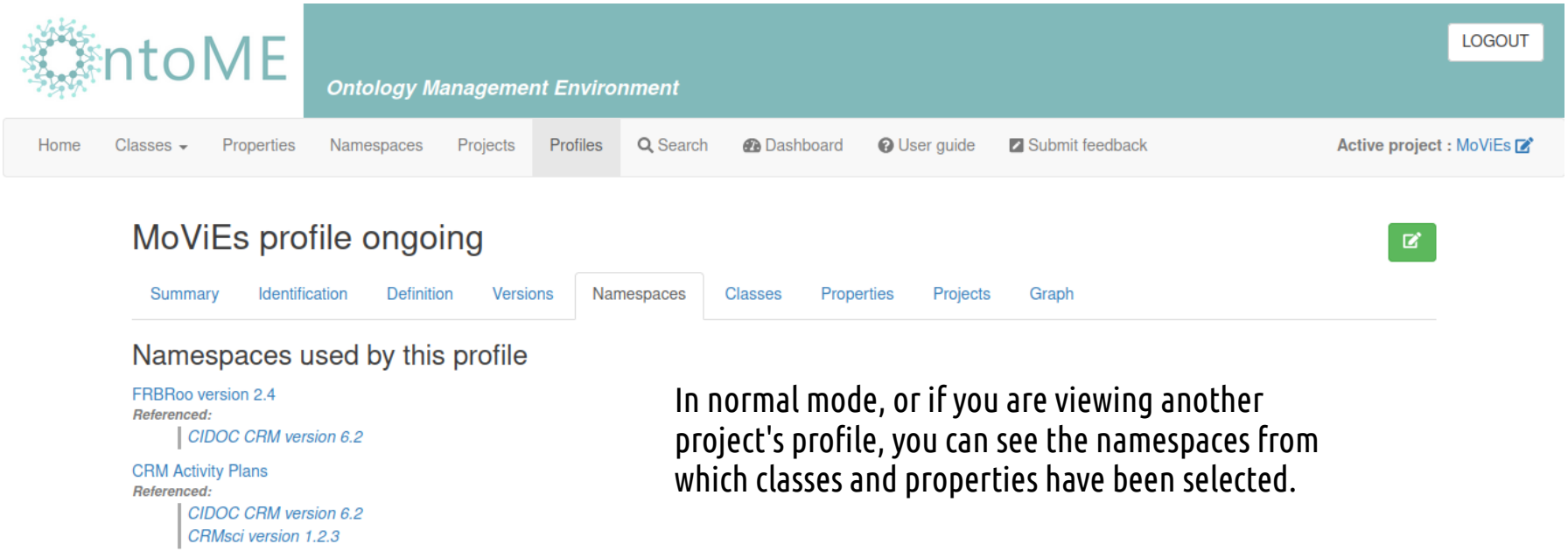
Explain your choice

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.



View a profile

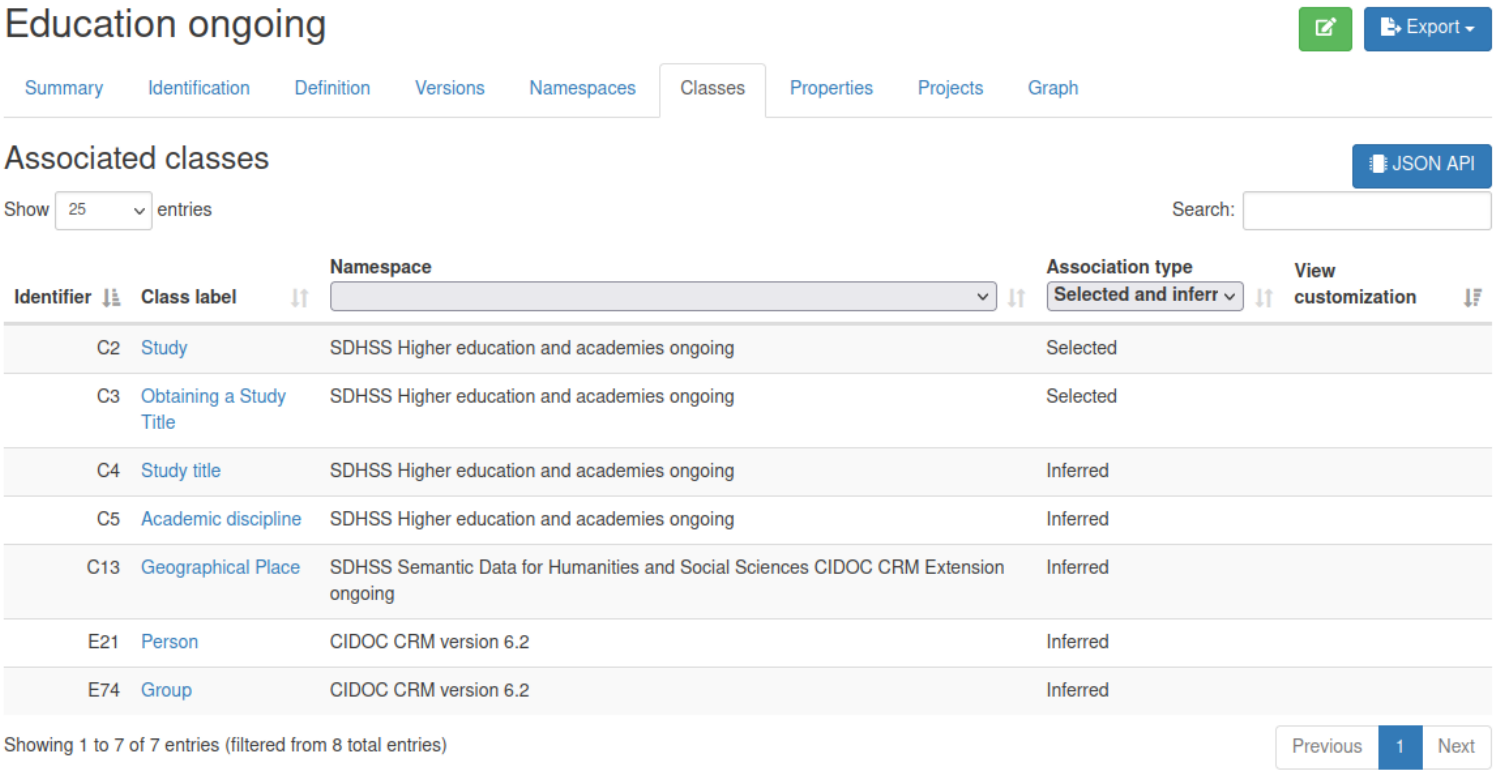


In normal mode, or if you are viewing another project's profile, you can see the namespaces from which classes and properties have been selected.

View a profile

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

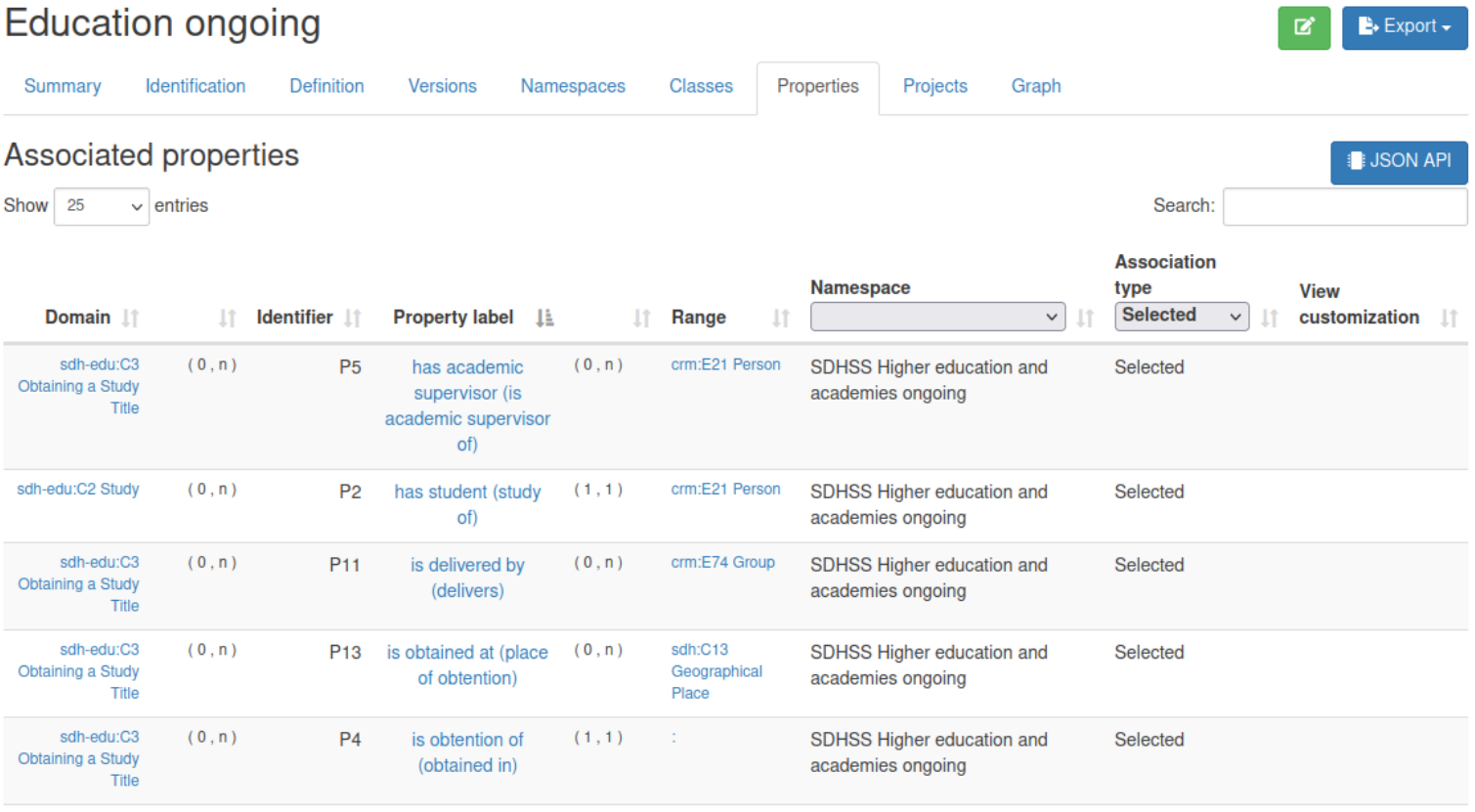
''Inferred'' means that the class has not been explicitly selected but is domain or range of a property selected in the profile.



View a profile

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.



Education ongoing

Export

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

Associated properties

JSON API

Show 25 entries

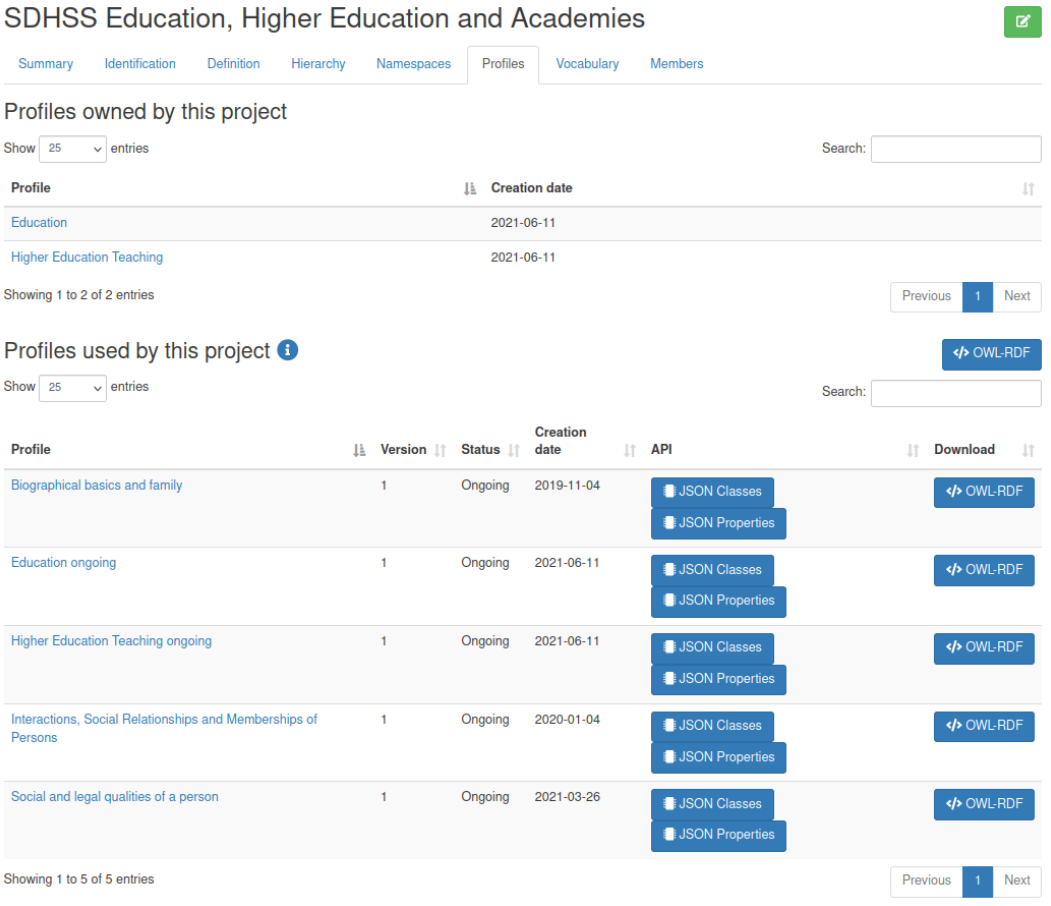
Search:

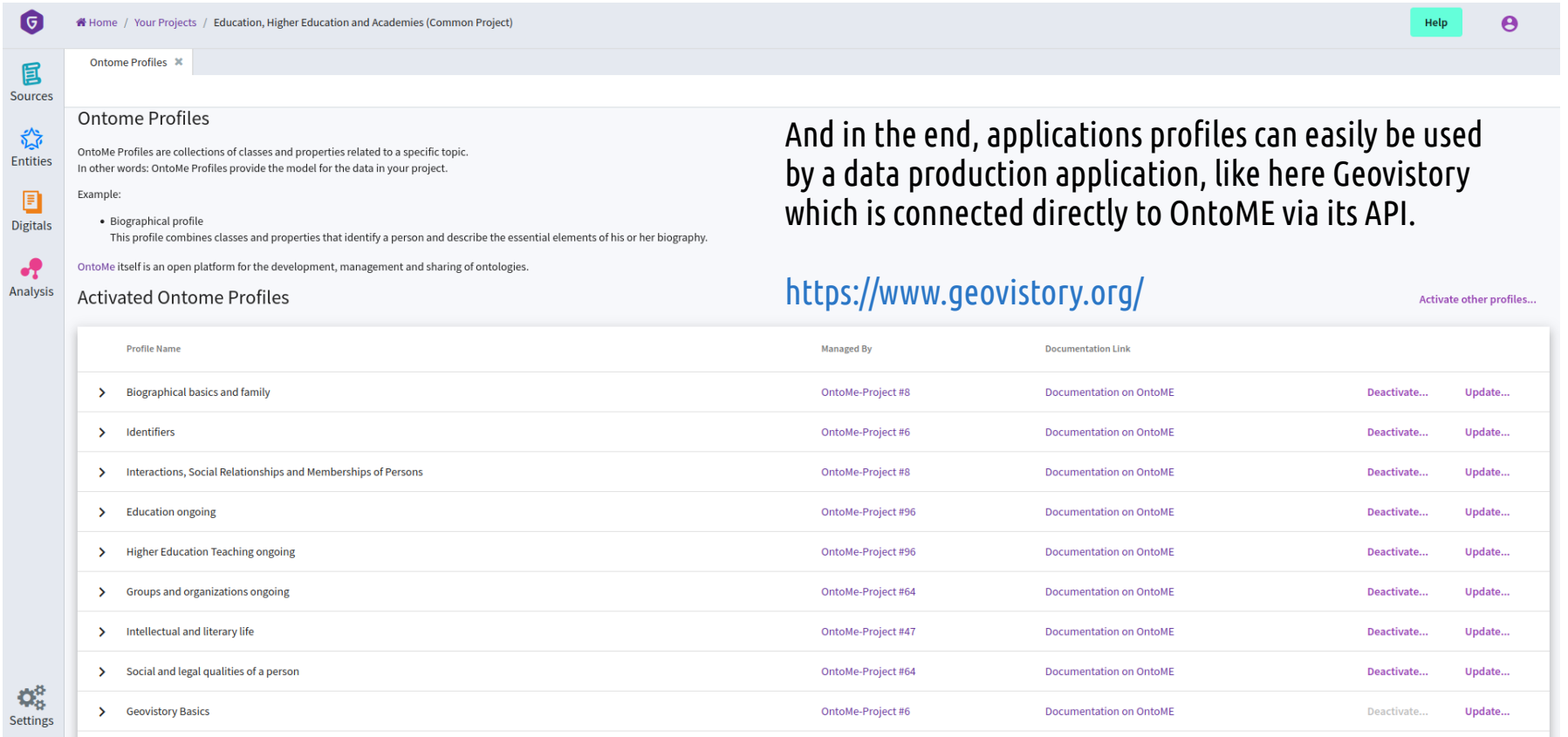
Domain		Identifier	Property label		Range	Namespace	Association type: Selected	View customization
sdh-edu:C3 Obtaining a Study Title	(0,n)	P5	has academic supervisor (is academic supervisor of)	(0,n)	crm:E21 Person	SDHSS Higher education and academies ongoing	Selected	
sdh-edu:C2 Study	(0,n)	P2	has student (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.



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

Use a profile