

Automatic incompatibility detection feature

<https://ontome.net/>

Vincent Alamercery
(École normale supérieure de Lyon - LARHRA)

57th CIDOC CRM SIG Meeting – UMR MAP Marseille
10 October 2023

FRBRoo version 2.4



Summary Identification Definition Versions Classes Properties Relations Graph Comments

Identification

Base URI: <http://iflastandards.info/ns/fr/frbr/frbroo/>

Project of belonging: [FRBRoo](#)

This namespace is ongoing and can be modified at any time. It is not advisable to use its classes and properties.

Namespace to which this ongoing namespace refers

Namespace
CIDOC CRM version 6.2

Labels

Show 25 entries

Search:

Label	Language	Last updated
FRBRoo version 2.4 *	en	2019-01-29

Showing 1 to 1 of 1 entries

Previous 1 Next

* : Standard label for this language

CIDOC CRM
compatible version
("reference namespace")



FRBRoo version 2.4

Export ▾

Summary Identification Definition Versions Classes Properties Relations Graph Comments

Identification

External namespace

Only tick this checkbox if your namespace already has its URI outside OntoME. Otherwise leave it unchecked.

Base URI

Root namespace prefix

Save Reset Back

Project of belonging: FRBRoo

This namespace is ongoing and can be modified at any time. It is not advisable to use its classes and properties.

Version info

2.4

Candidate

Publish this namespace

Namespace to which this ongoing namespace refers

Namespace

CIDOC CRM version 6.2

Change Remove

Change version Remove



It's easy to change the version
of a reference namespace.

Identification

External namespace
Only tick this checkbox if your namespace is external.

Base URI

Root namespace prefix

Project of belonging: FRBRoo

This namespace is ongoing and can be modified at any time. It is not advisable to use its classes and properties.

Version info

2.4

Namespace to which this ongoing namespace refers

Namespace	Change	Remove
CIDOC CRM version 6.2	<input type="button" value="Change version"/>	<input type="button" value="Remove"/>

Pick a reference namespace

Please note that if the selected version is ongoing, it might be modified at any time and you will not be able to publish your namespace as long as you have selected it.

Labels

Show entries

Search:

Label	Language	Last updated	Edit	Comments	Validation
FRBRoo version 2.4 *	en	2019-01-29	<input checked="" type="checkbox"/>	0	<input type="button" value="Candidate"/>

Warning

Changing the version of a reference namespace changes the association of all target entities in that namespace to the new version. Errors may occur.

Please also note if the selected version is ongoing, it might be modified at any time and you will not be able to publish your namespace as long as you have selected it.

Do you wish to proceed?

But it's not a trivial operation!

FRBRoo version 2.4

Export

Summary Identification Definition Versions Classes Properties Relations Graph Comments

Identification

External namespace

Only tick this checkbox if your namespace already has its URI outside OntoME. Otherwise leave it unchecked.

Base URI

Root namespace prefix

Save Reset Back

Project of belonging: FRBRoo

This namespace is ongoing and can be modified at any time. It is not advisable to use its classes and properties.

Version info

2.4

Candidate

Publish this namespace

Namespace to which this ongoing namespace refers

Namespace

Select the new version.



<input type="text"/>	
CIDOC CRM version 5.0.4	Remove
CIDOC CRM version 7.1.2	
CIDOC CRM version 5.0.4	Remove

FRBRoo version 2.4

Export

[Summary](#) [Identification](#) [Definition](#) [Versions](#) [Classes](#) [Properties](#) [Relations](#) [Graph](#) [Comments](#) [Mismatches](#)

Identification

 External namespace

Only tick this checkbox if your namespace already has its URI outside OntoME. Otherwise leave it unchecked.

Base URI

Root namespace prefix

Project of belonging: FRBRoo

This namespace is ongoing and can be modified at any time. It is not advisable to use its classes and properties.

Version info

2.4

[Candidate](#)

Namespace to which this ongoing namespace refers

Namespace	Change	Remove
CIDOC CRM version 7.1.2	Change version	Remove



Incompatibilities have been detected!

New CIDOC CRM
compatible version
for this extension.

FRBRoo version 2.4

Export ▾

Summary Identification Definition Versions Classes Properties Relations Graph Comments **⚠ Mismatches**

List of mismatches with reference namespaces

Entities listed here are not correctly associated with your [reference namespaces](#). They are displayed in red in your ongoing namespace. They may not be available in the version of the selected space. Or you may not have selected any version of a [reference namespace](#). Please make the necessary corrections before proceeding.

Show entries

Search:

Type of relation	Entity	Namespace	Error type
domain class (rdfs:domain)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
hierarchy (rdfs:subclassOf)	Legal Body – E40	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
hierarchy (rdfs:subclassOf)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace

Showing 1 to 6 of 6 entries

Previous **1** Next

List of incompatibilites ("mismatches")



is reproduction of (has reproduction) – R31

FRBRoo version 2.4 Ongoing 

! This property does not yet have the minimum number of validated parts required for publication.

Summary Identification Definition Namespaces Hierarchy Relations Profiles Comments 0

Identifier: R31

Official URI: <http://iflastandards.info/ns/fr/frbr/frbroo/R31>

OntoME URI: <https://ontome.net/ontology/p1005>


Domain and range

crm:E84 Information Carrier → R31 is reproduction of (has reproduction) → crm:E84 Information Carrier (Quantifiers 0..n,0,1)

Labels

Show entries

Search:

Label	Language	Last updated	View details	Comments	Validation
is reproduction of (has reproduction) *	en	2021-06-10		0	Candidate

Showing 1 to 1 of 1 entries

Previous 1 Next

* : Standard label for this language

The problematic entity appears in red.

This class was indeed deprecated between versions 6.2 and 7.1.2 of CIDOC CRM.



is reproduction of (has reproduction) – R31

FRBRoo version 2.4 On going

i This property does not yet have the minimum number of validated parts required for publication.

Summary Identification Definition Namespaces Hierarchy Relations Profiles Comments 0

Identifier: R31

Official URI: <http://iflastandards.info/ns/fr/frbr/frbroo/R31>

OntoME URI: <https://ontome.net/ontology/p1005>

Domain and range

Domain	Domain quantifiers	Property	Range quantifiers	Range
crm:Human-Made...	0 n	→ is reproduction of (has reproduction) →	0 1	crm:Human-Made...

Search:

Language	Last updated	Edit	Comments	Validation
en	2021-06-10		0	Candidate

Showing 1 to 1 of 1 entries

Previous 1 Next

* : Standard label for this language

If necessary,
it is easy to correct
the relationship.



FRBRoo version 2.4

Export

Summary Identification Definition Versions Classes Properties Relations Graph Comments Mismatches

List of mismatches with reference namespaces

Entities listed here are not correctly associated with your [reference namespaces](#). They are displayed in red in your ongoing namespace. They may not be available in the version of the selected space. Or you may not have selected any version of a [reference namespace](#). Please make the necessary corrections before proceeding.

Show 25 entries

Search:

Type of relation	Entity	Namespace	Error type
hierarchy (rdfs:subclassOf)	Legal Body – E40	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
hierarchy (rdfs:subclassOf)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace


Showing 1 to 4 of 4 entries

Previous 1 Next

The corrected relationship no longer appears in the list of mismatches.



Bibliographic Agency – F44

FRBRoo version 2.4 Ongoing 

This class does not yet have the minimum number of validated parts required for publication.




Summary Identification Definition Properties Namespaces **Hierarchy** Relations Profiles Graph Comments 0

Parent classes

Show 25 entries

Add 

Search:

Class	Class namespace	Relation defined in	Justification	View details	Edit	Delete	Comments	Validation
E40 Legal Body	CIDOC CRM version 6.2	FRBRoo version 2.4					0	Candidate

Showing 1 to 1 of 1 entries

Previous 1 Next

Ancestor classes

Show 25 entries

Search:

Class	Depth	Class namespace	Via
No data available in table			

Showing 0 to 0 of 0 entries

Previous Next

The same goes for a hierarchical relationship.



Bibliographic Agency – F44: parent class association

Candidate

[← Back](#)

Parent class and justifications

Comments 0

Edit class association

Parent class version

crm:Group – E74

crm:Event – E5

crm:Formation – E66

crm:Group – E74

crm:Human-Made Feature – E25

crm:Human-Made Object – E22

crm:Human-Made Thing – E71

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

Make the correction.



FRBRoo version 2.4

Export ▾

Summary Identification Definition Versions Classes Properties Relations Graph Comments **⚠ Mismatches**

List of mismatches with reference namespaces

Entities listed here are not correctly associated with your [reference namespaces](#). They are displayed in red in your ongoing namespace. They may not be available in the version of the selected space. Or you may not have selected any version of a [reference namespace](#). Please make the necessary corrections before proceeding.

Show entries

Search:

Type of relation	Entity	Namespace	Error type
hierarchy (rdfs:subclassOf)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace
range class (rdfs:range)	Information Carrier – E84	CIDOC CRM version 6.2	Class not in the selected version of the reference namespace

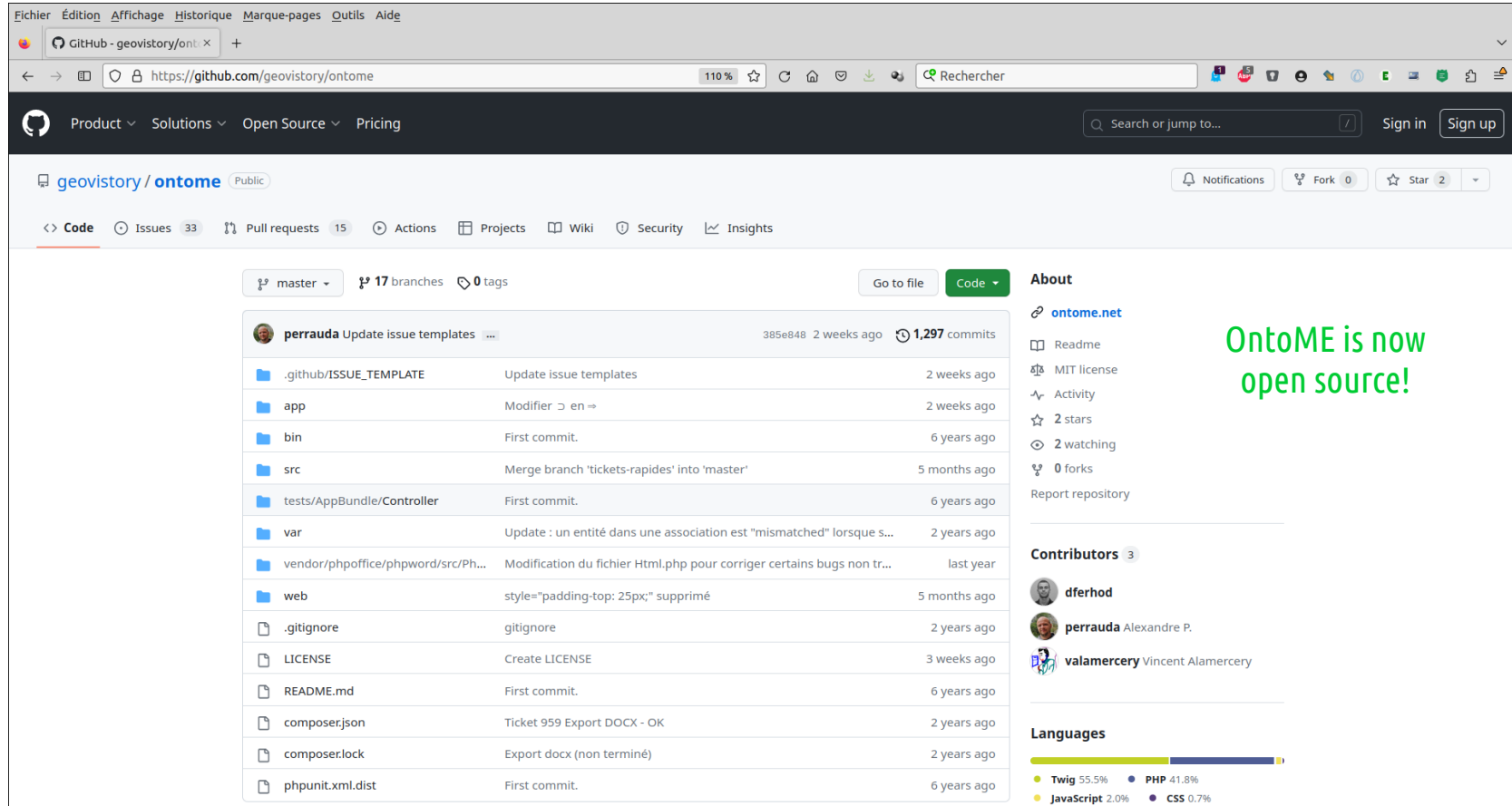
Showing 1 to 3 of 3 entries

Previous **1** Next

One less mismatch in the list.



The incompatibility has been rectified!



The screenshot shows the GitHub repository page for `geovistory/ontome`. The repository is public and has 1,297 commits, 2 stars, and 0 forks. The main content area displays a list of files and folders, including `.github/ISSUE_TEMPLATE`, `app`, `bin`, `src`, `tests/AppBundle/Controller`, `var`, `vendor/phpoffice/phpword/src/Ph...`, `web`, `.gitignore`, `LICENSE`, `README.md`, `composer.json`, `composer.lock`, and `phpunit.xml.dist`. The right sidebar contains an 'About' section with a link to `ontome.net`, a 'Contributors' section listing `dferhod`, `perrauda` (Alexandre P.), and `valamercery` (Vincent Alamercery), and a 'Languages' section showing a bar chart for Twig (55.5%), PHP (41.8%), JavaScript (2.0%), and CSS (0.7%). A large green text overlay on the right side of the repository view reads 'OntoME is now open source!'.