

## LEARNING OBJECTS AND G-LOREP UPDATES

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GLorep innovations consist in:

- the migration from Drupal CMS to Laravel framework by rewriting all modules
- the use of a REST API server as interface to the shared database.
- the support given to the TCCM Master Consortium and the invitation was issued to increase its use by the VEC members and to add new LOs.

During the migration the following new features were added to the old ones:

- New Taxonomy Assistant layout

The screenshot shows the G-Lorep TCCM web interface. At the top, there is a navigation bar with the logo, 'G-Lorep TCCM', and links for 'Manage users', 'Settings', and 'Advanced search'. A search box and the user name 'Sergio Tasso' are also visible.

The main content area is titled 'New Learning Object'. It contains two form fields:
 

- Title \***: A text input field containing 'New Glorep user guide'. Below it is a hint: 'Please insert a title for this Learning Object.'
- Description \***: A larger text area containing 'This is the New Glorep User Guide for the European Master in Theoretical Chemistry and Computational Modelling (TCCM)'. Below it is a hint: 'Please insert a description for this Learning Object.' and a 'Refresh hint' button.

Below the form, there is a section titled 'Categories suggested by Taxonomy assistant:'. A note reads: '(Remember that **you haven't yet selected a category** from the vocabularies) This is the list of categories that are compatible with the text and their value inheritance (Hin value) and relevance'.

The following table displays the suggested categories:

Category name	Keywords	Hin value	Relevance	Tot relevance
<b>542.85 - Chemistry Data Processing</b>	'computational chemistry'	100	18.2%	36.4%
<b>541.2 - Theoretical Chemistry</b>	'theoretical chemistry'	77.1	18.2%	72.7%
<b>546 - Inorganic Chemistry</b>	'theoretical chemistry'	50.3	18.2%	127.3%
<b>547 - Organic Chemistry</b>	'chemistry' 'theoretical'	19.7	18.2%	54.5%
<b>541.38 - Radio Chemistry (Nuclear Chemistry)</b>	'chemistry'	18.8	9.1%	36.4%
<b>541.39 - Chemical reactions</b>	'chemistry'	12.5	9.1%	18.2%

- New management of keywords (automatically generated)

Category \*

Please select the subject of this Learning Object. Please select the category of this Learning Object.

**General**

Author(s) \*

Please insert the name(s) of the author(s) (separate by commas) contributing to this Learning Object.

Language \*

Please select the language of this Learning Object.

**Synonyms for this category**  
computational chemistry, data processing, computer simulation, cheminformatics.

Keywords \*

Please select the keywords for this Learning Object.

-Links as attachment (allowing to give a name to a certain URL) useful for Multimedia Learning Objects (LO)s

**Technical**

**Attachments**

Format \*

Technical datatype of this Learning Object.


Type \*  File  Link

File \*

Add

- Visible statistics for all users

- Multilingual navigation.

 **G-Lorep TCCM** [Manage users](#) [Settings](#) [Advanced search](#)  [Sergio Tasso](#) [Language](#)

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**New Glorep user guide**

Submitted by Sergio Tasso on 2020-09-09 16:43:16 (GMT+0:00)

**Description:** This is the New Glorep user guide for the European Master in Theoretical Chemistry and Computational Modelling (TCCM)

**Author :** Sergio Tasso

**Language:** English

**Attachments:** [NewGlorepUserGuide-September2020.pdf](#)

## REFERENCES

- 1] Sabbatini, F.; Tasso, S.; Pallottelli, S.; Gervasi, O. 2020 Improvements to the G-Lorep Federation of Learning Object Repositories. DOI:10.1007/978-3-030-58820-5\_39. pp.526-537. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-58819-9. In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 12255
- 2] Tasso, S.; Pallottelli, S.; Gervasi, O.; Sabbatini, F.; Franzoni, V.; Lagana, A. 2019 Cloud and Local Servers for a Federation of Molecular Science Learning Object Repositories. DOI:10.1007/978-3-030-24311-1\_26. pp.359-373. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) – ISBN:978-3-030-24310-4. In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11624