VIRT&L-COMM.22.2021.6

LEARNING OBJECTS AND G-LOREP UPDATES

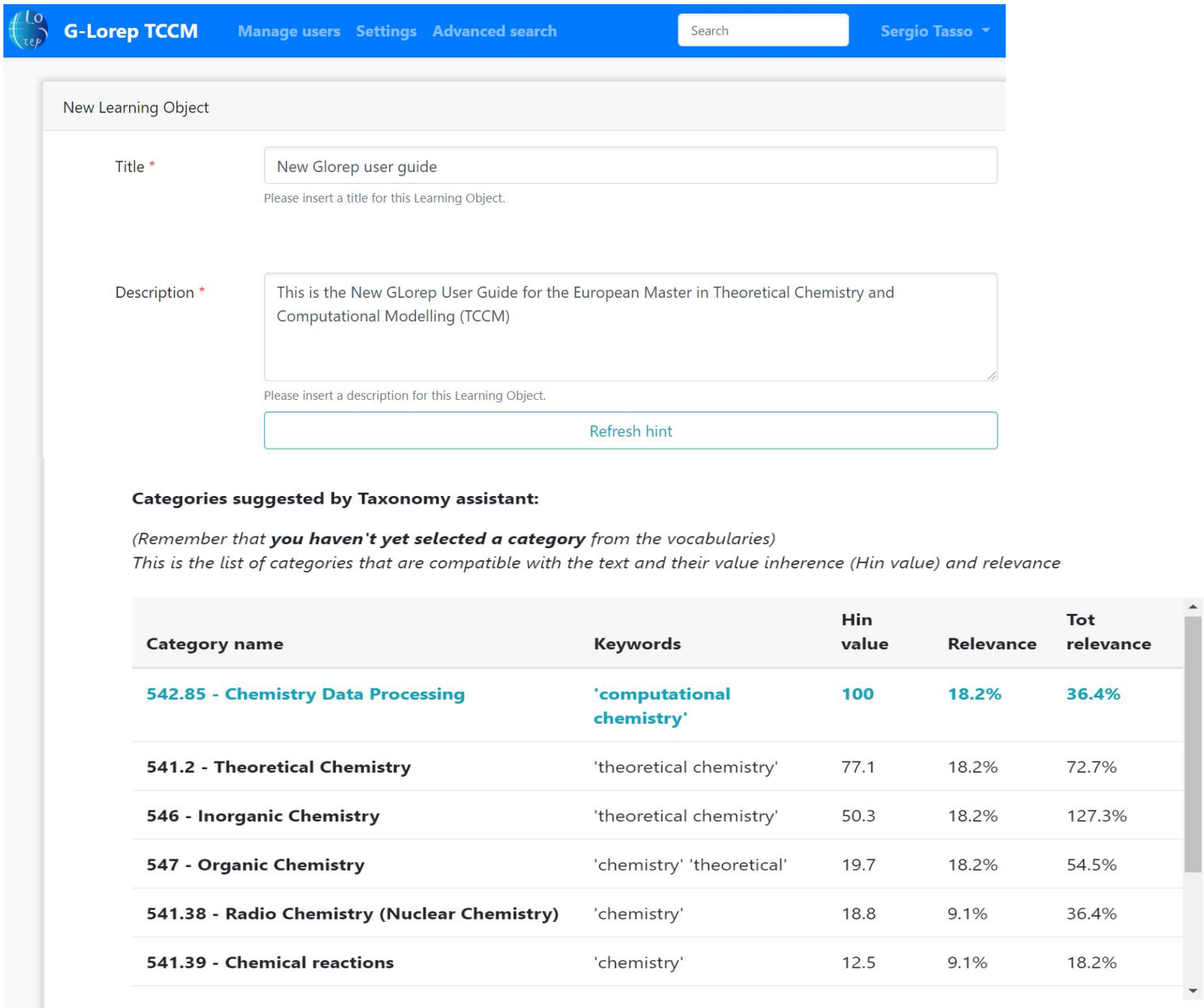
Sergio Tasso, *DMI, University of Perugia, Italy*

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:

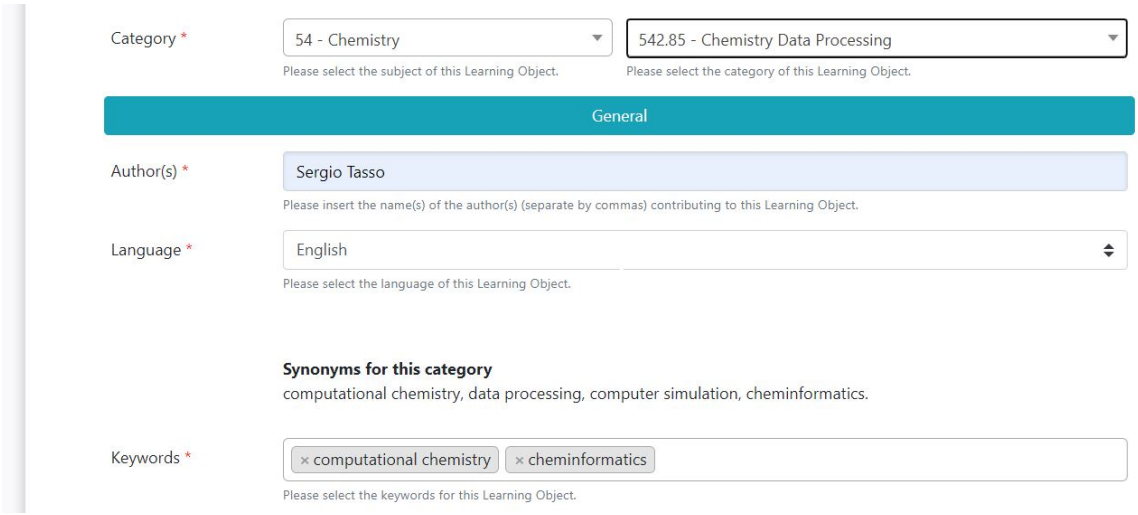
- New Taxonomy Assistant layout



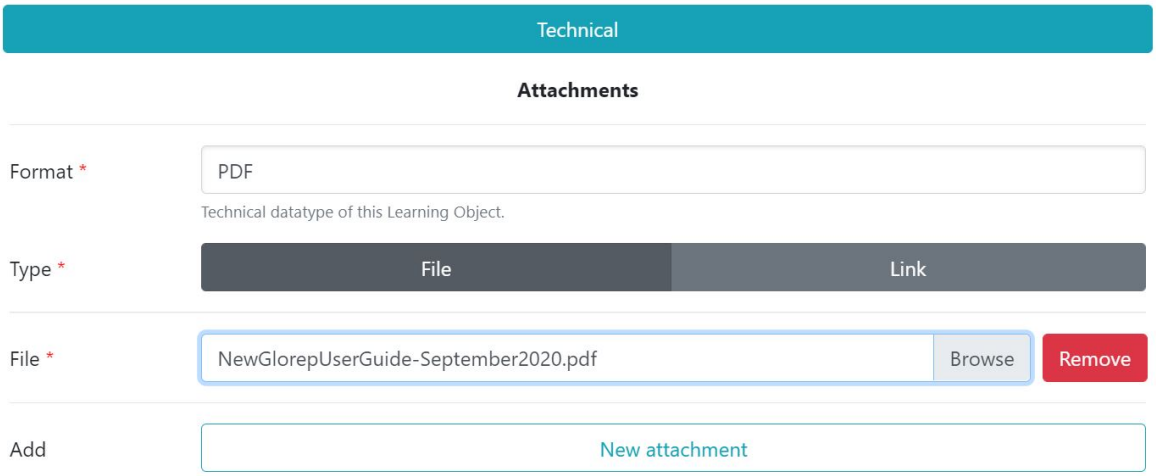
Category name	Keywords	Hin value	Relevance	Tot relevance
542.85 - Chemistry Data Processing	'computational chemistry'	100	18.2%	36.4%
541.2 - Theoretical Chemistry	'theoretical chemistry'	77.1	18.2%	72.7%
546 - Inorganic Chemistry	'theoretical chemistry'	50.3	18.2%	127.3%
547 - Organic Chemistry	'chemistry'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

- New management of keywords (automatically generated)

ISSN: 2279-8773

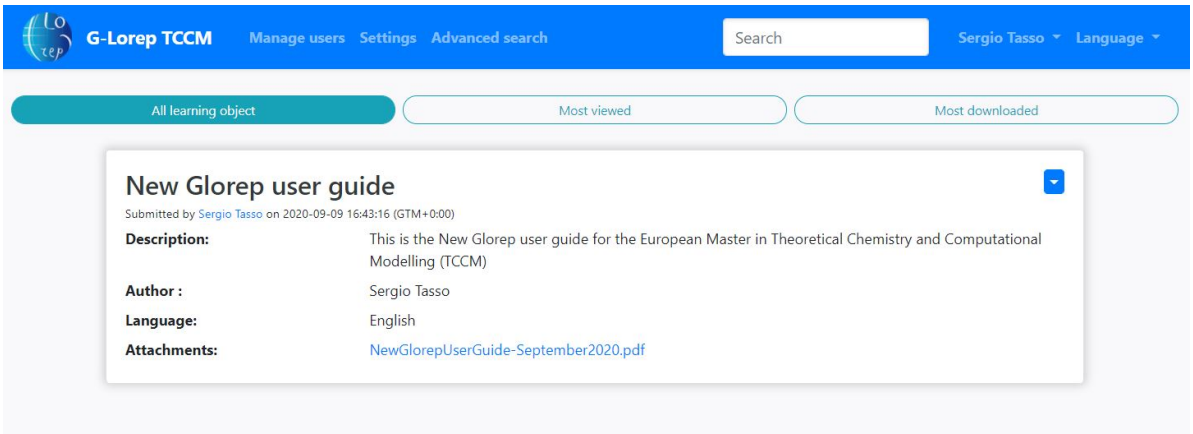


-Links as attachment (allowing to give a name to a certain URL) useful for Multimedia Learning Objects (LO)s



- Visible statistics for all users

- Multilingual navigation.



ISSN: 2279-8773

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

ISSN: 2279-8773