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## Fostering the collaborative creation of Linguistic Linked Open Data with LexO, an open source editor of multilingual lexicons and terminologies

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<https://github.com/andreabellandi/LexO-lite>



<https://www.clarin.eu/blog/clarin-it-presents-lexo-where-lexicography-meets-semantic-web>

LexO allows lexicographers and terminologists to collaboratively create **computational lexicons** and **terminologies** according to the *lemon* model. Its main features are as follows:

- the tool **makes the creation of resources easy**, by abstracting from the verbosity of the *lemon* model;
- the interface clearly distinguishes between the *lemon* **modules**: *ontolex core*, *variation and translation*, *syntax and semantics*;
- distinct views are devoted to the **linguistic** and the **conceptual dimensions**, thus allowing for the construction of resources according to the **onomasiological** or the **semasiological** approach;
- the tool manages native RDF resources, compliant with the **Semantic Web** technologies and the **Linked Data** paradigm.

The screenshot shows the LexO interface with several components:

- linguistic part**: Points to the 'Lexical entry' tab and the search area.
- conceptual part**: Points to the 'Forms' and 'Ontology' tabs.
- lexical entries**: Points to the list of entries on the left, where 'get' is highlighted.
- administrator can lock an entry**: Points to the lock icon next to the 'get' entry.
- lemon modules**: Points to the 'Core', 'Variation and Translation', and 'Syntax and Semantics' tabs.
- ontological reference**: Points to the 'Reference' field in the entry details, which is linked to 'DOCUMENT' and 'DIVORCE\_DOCUMENT'.
- linked data export**: Points to the 'Export' button at the bottom right, which is linked to an RDF icon.

The entry details for 'get' show:

- Lemma (\*)**: get
- Part of Speech**: noun
- Morphology**: number (singular), gender (masculine)
- Variant (\*)**: giffin
- Morphology**: number (plural), gender (masculine)
- Definition**: Official written document attesting the juridical relationship between X and Y.
- Reference**: DOCUMENT
- Definition**: Official written document stating that X is no longer tied to Y by the marriage bond.
- Reference**: DIVORCE\_DOCUMENT

lemma - inflected forms - lexical senses