Relations, relations everywhere: an introduction to the DMLex data model

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Agenda

❶ General introduction to DMLex

❷ A module-by-module tour of DMLex

❸ Using DMLex

❶ General introduction to DMLex

Does the world need
another lexicographic data standard?

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wrong question

DMLex: a data model for lexicography

DMLex isn’t...

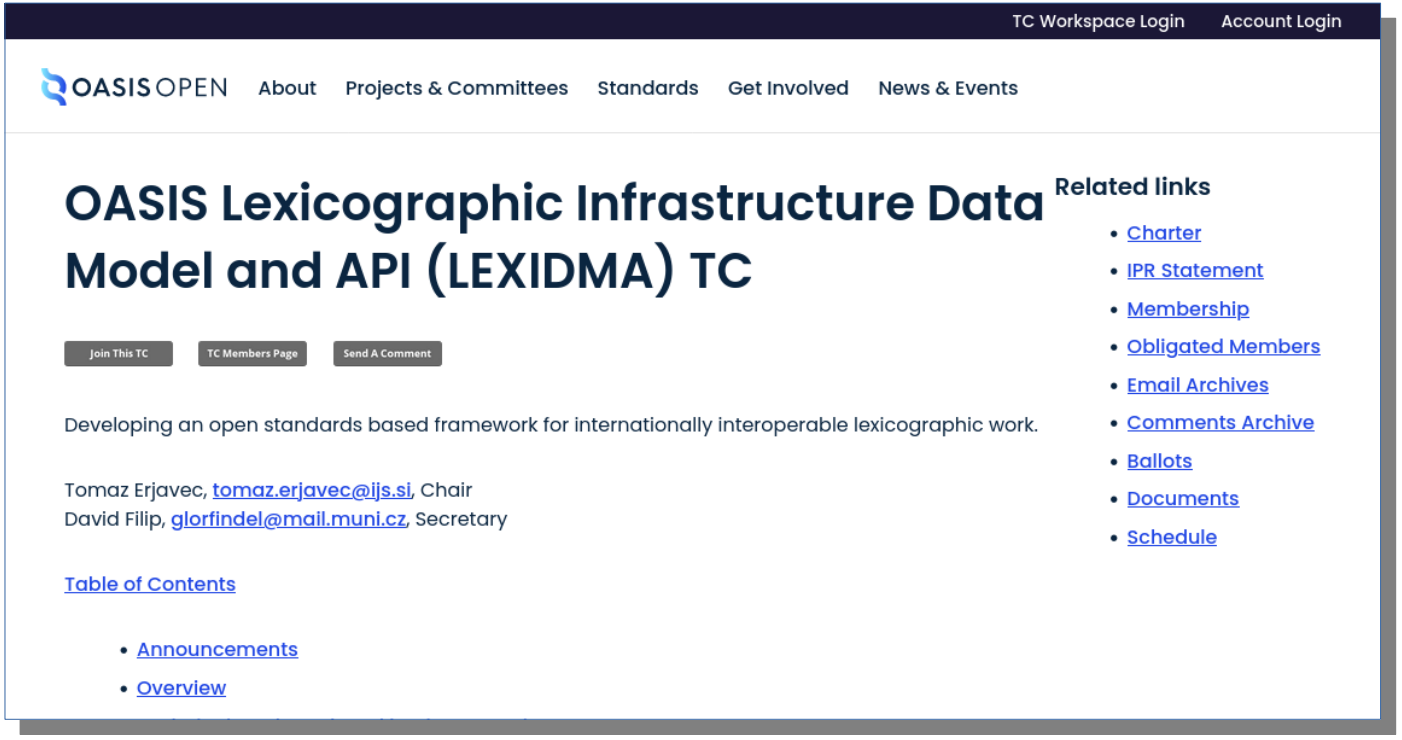
- Yet another data format

DMLex is...

- An abstract, format-independent data model
- Implementable in XML, JSON, relational database, RDF triplestore...

DMLex design principles

- Modern born-digital dictionaries
- Dual use: humans and machines
- Hybrid tree-structured/relational data model
- Freely available
- Real-world focus: model what's *normal,* not what's *possible.*



elexis european lexicographic infrastructure

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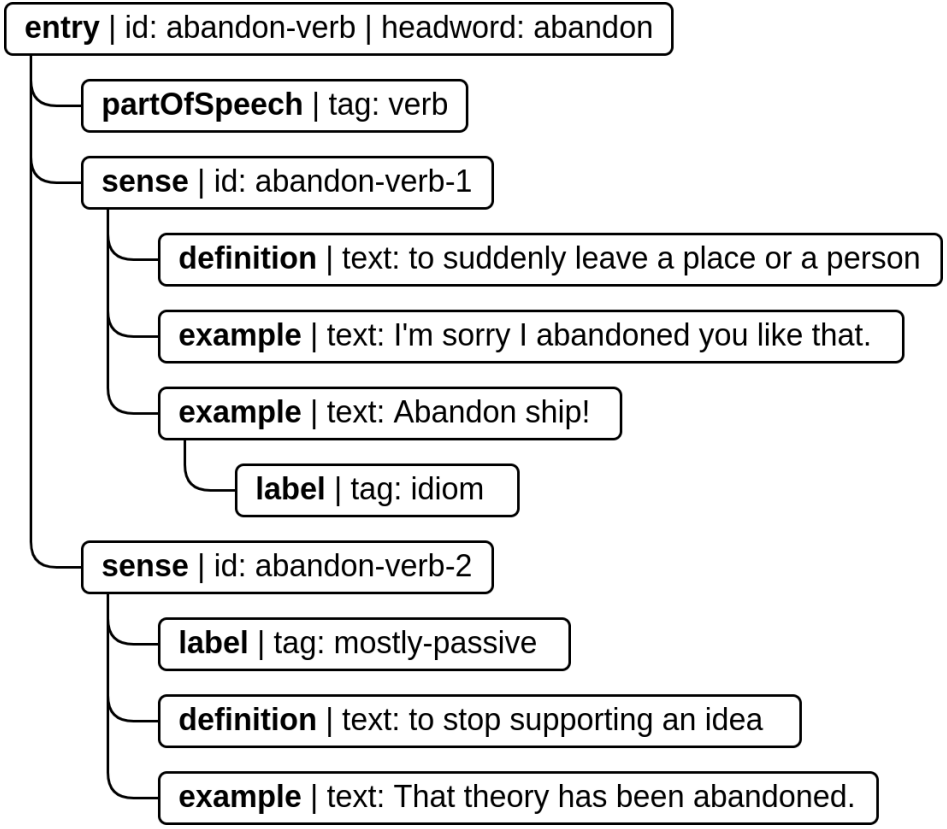
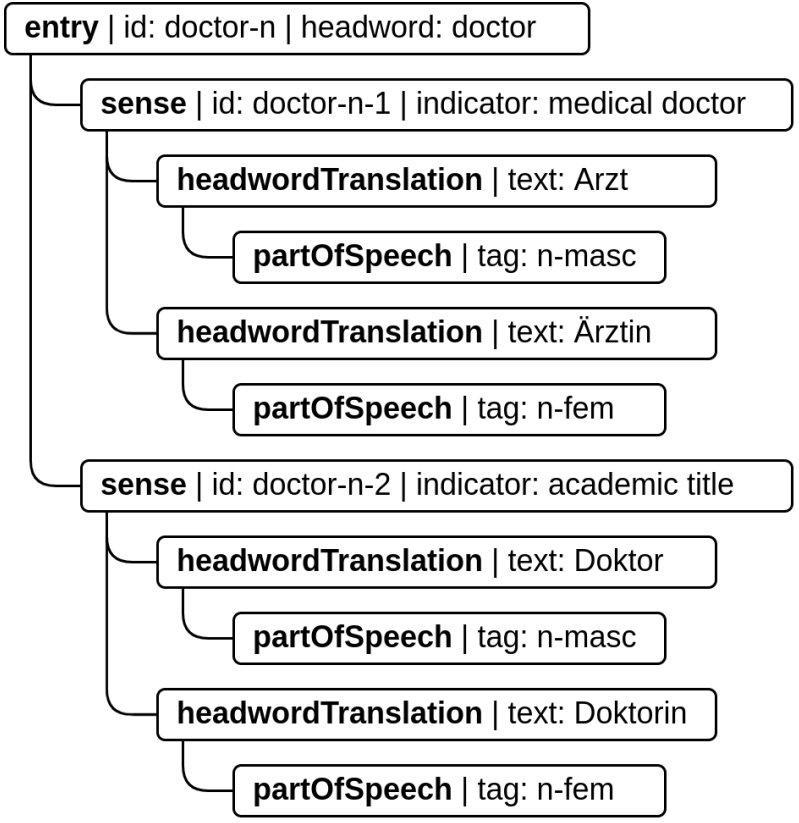
Entering **public reviews** soon.

❷ A module-by-module tour of DMLex

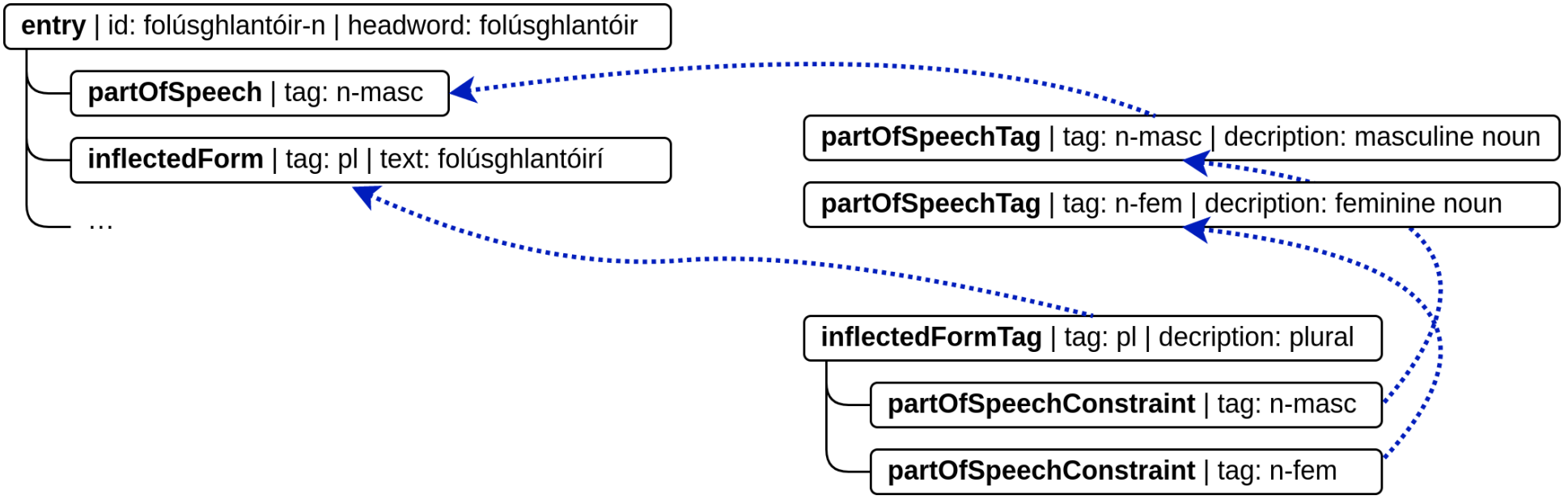
DMLex Core


entry | id: abandon-verb | headword: abandon
partOfSpeech | tag: verb
sense | id: abandon-verb-1
definition | text: to suddenly leave a place or a person
example | text: I'm sorry I abandoned you like that.
example | text: Abandon ship!
label | tag: idiom
sense | id: abandon-verb-2
label | tag: mostly-passive
definition | text: to stop supporting an idea
example | text: That theory has been abandoned.

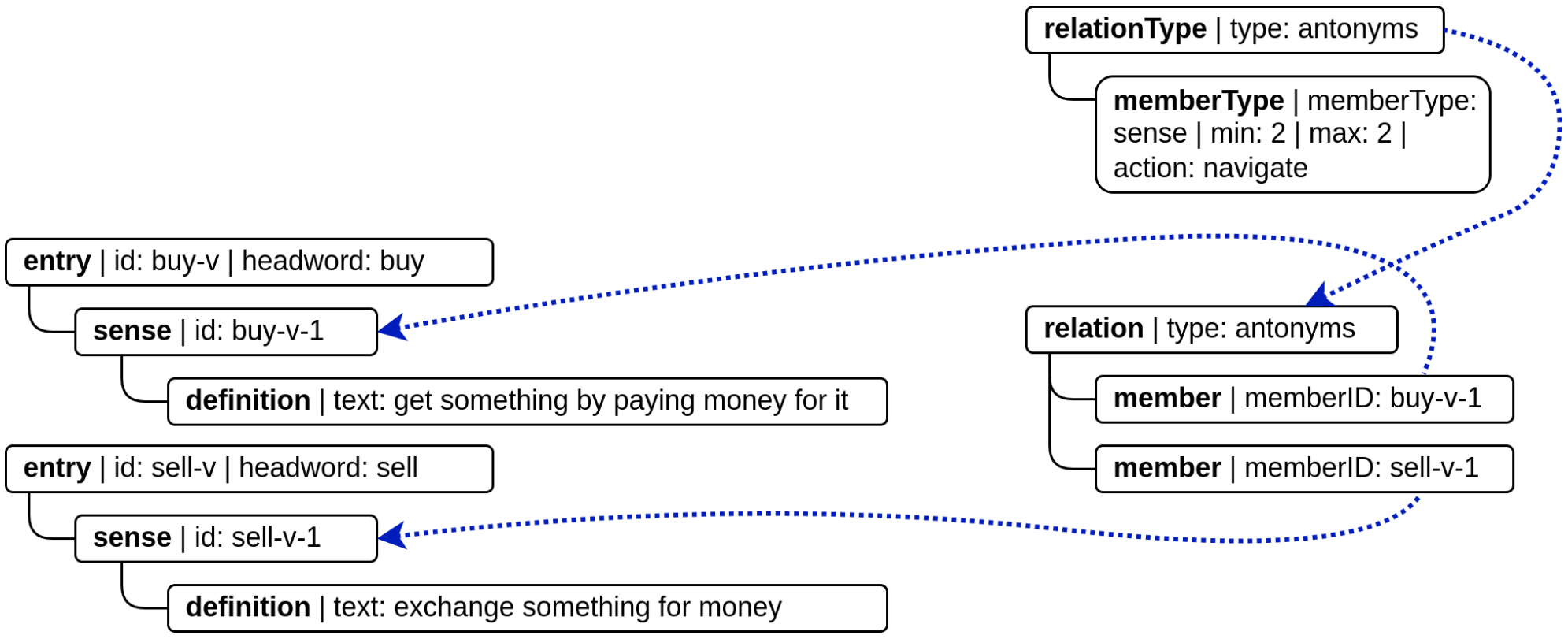
DMLex Crosslingual Module



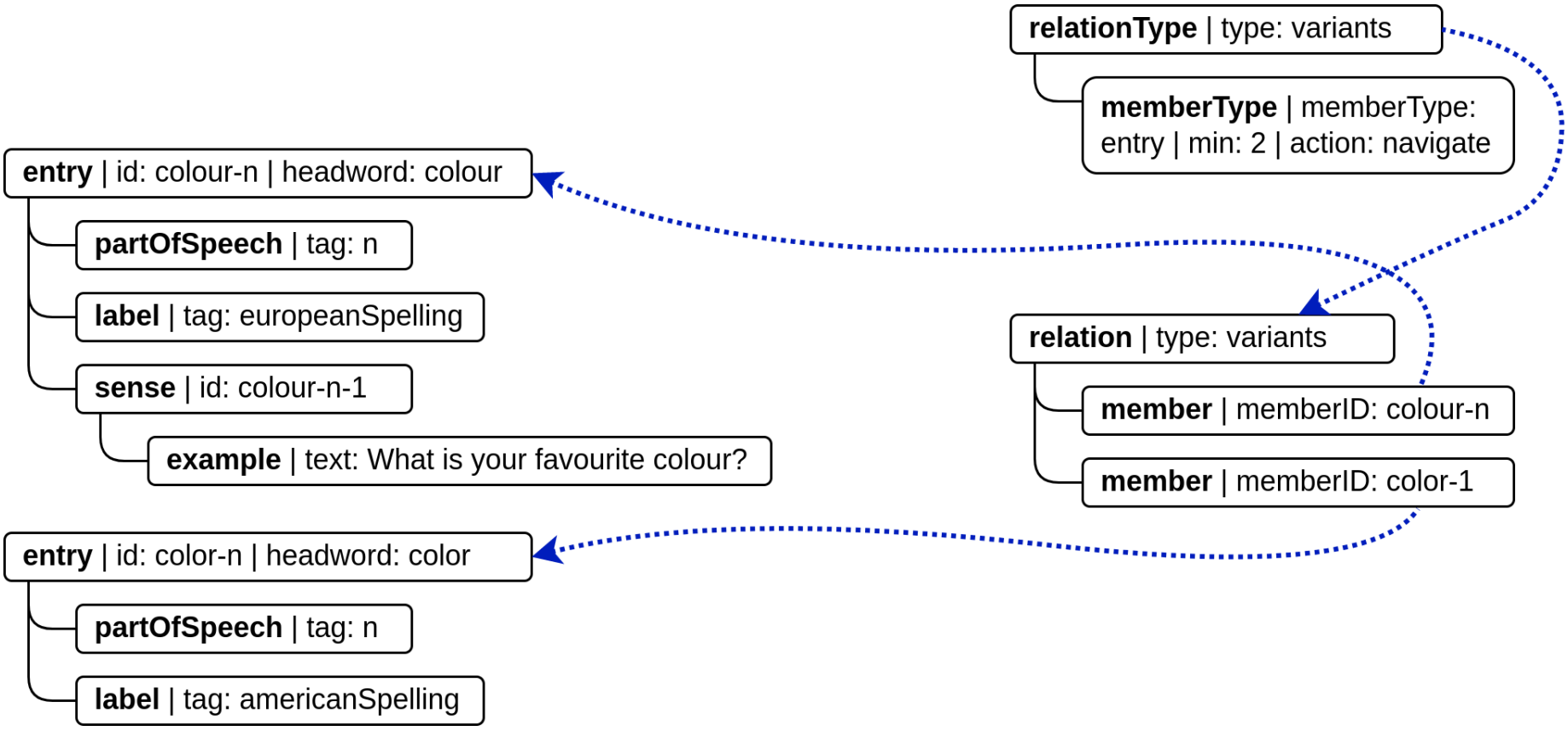
DMLex Controlled Values Module



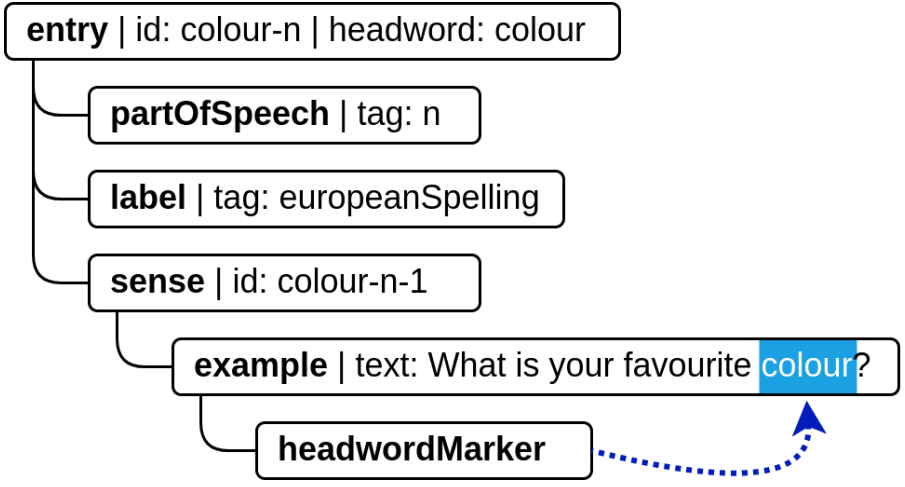
DMLex Linking Module (1/2)



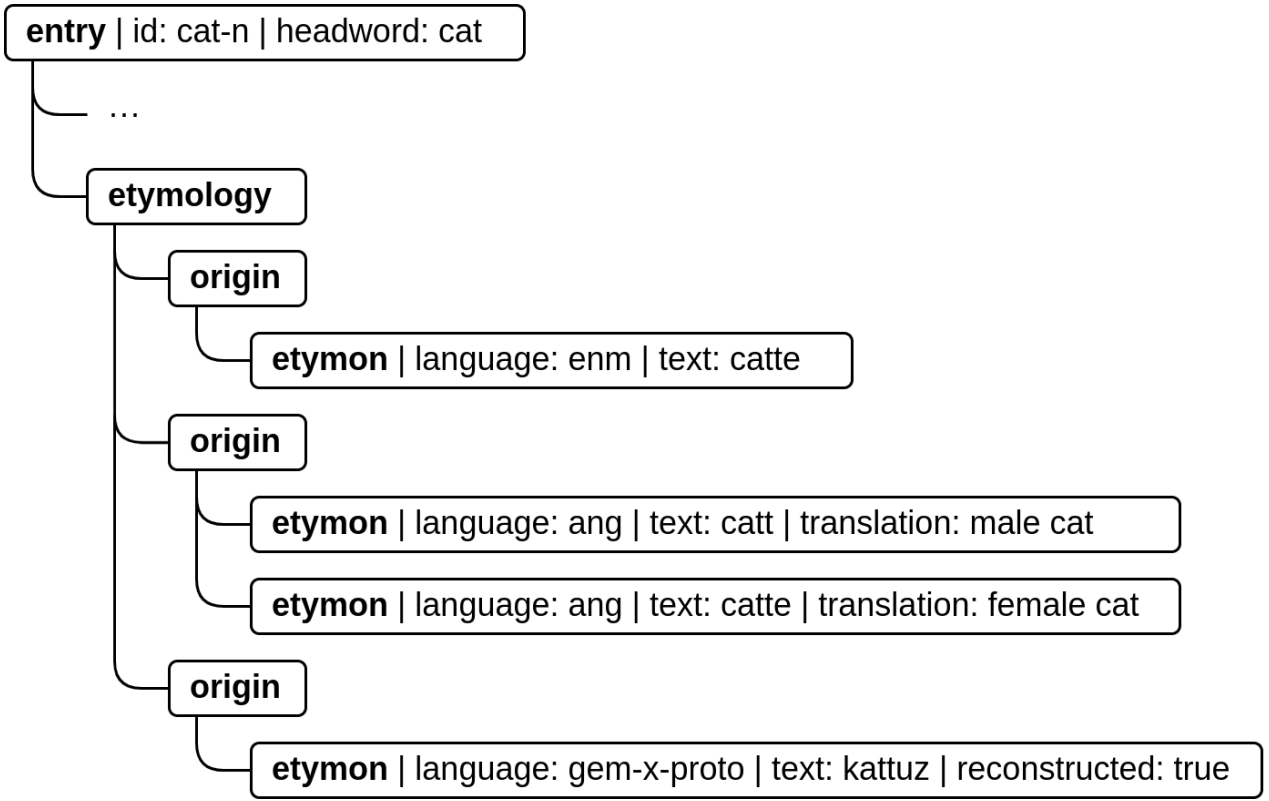
DMLex Linking Module (2/2)



DMLex Annotation Module



DMLex Etymology Module



❸ Using DMLex

Using DMLex

- DMLex at ELEXIS (Jožef Stefan Institute)
  - ELEXIS Dictionary Matrix, elexiLink
  - “Lexonomy 2.0”
- DMLex at Lexical Computing
  - In-house produced dictionaries
  - “Lexonomy 2.0”

Thank you.

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