Morph telco 2022-05-17, 13:15 CEST

**Link:** [**https://meet.google.com/nsj-tbcy-yop**](https://meet.google.com/nsj-tbcy-yop) **[CHECK HERE FOR UPDATED LINK(S)]**

**Latest Definitions:** [**https://github.com/ontolex/morph/blob/master/draft.md**](https://github.com/ontolex/morph/blob/master/draft.md)

**Nexus:** [**https://nexuslinguarum.eu/the-action/join-us**](https://nexuslinguarum.eu/the-action/join-us)

**Participants [please add yourself]:**

Christian Chiarcos (CC) (excused for being 10 min late)

Max Ionov (MI)

Katerina Gkirtzou (KG)

Besim Kabashi (BK)

Fahad Khan (FK)

Khadija Ait ElFqih (KAE)

Matteo Pellegrini (MP)

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Petra Steiner (PS)

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# 0. Module draft (4.17)



# 0. MWE paper

**TODO@MI, CC**: Finish the changes, submit the chapter until the 31.07

# 1. Paradigm class

MP: Naming “paradigm” may evoke incorrect associations, definition of paradigm in linguistics as a set of word forms

Note: we also need to rephrase the “paradigm” property, then

* + morphological pattern
  + Inflection type?
  + Inflection class?
    - MP: +1
    - GS: sounds like owl class
  + Inflection?

=> hard to get to a consensus, vote?

MP: paradigm → rules instead of the other way around

option 1:

morph:Paradigm > morph:InflectionClass, morph:paradigm > morph:inflectionClass

option 2:

morph:Paradigm > morph:MorphologicalPattern, morph:paradigm > morph:isInflectionRuleOf (or morph:InflectionRule, changing the direction of the arrow (i.e., going from morph:MorphologicalPattern to morph:InflectionRule rather than the opposite)

MI: This was exactly the idea behind the current class. Maybe just rephrase the [definition](https://github.com/ontolex/morph/blob/master/draft.md#morphparadigm)? (also, see MP remarks)

Cf. [requirement](https://docs.google.com/document/d/1s6uY-74Z9dPMau96AmPEHH_ivRvvWTK5-HZKIPTKyoA/edit#heading=h.b77jzkoaql9r) **N4**: Lexical data contains pointers to and/or tables of inflectional paradigms or classes including the respective stem affixes or the full word-forms. Both, the pointers to paradigms and the interconnection of word-forms that belong to a paradigm, should be representable.

MI: No problem with option 2, we need to find a way to see if everyone else is on board.

MP: Slight preference with option 1, but option 2 is also okay.

MI: Maybe rethink InflectionType name (InflectionSlot may be more intuitive) and then go for option 1

**TODO@MI**: discuss this CC, how to best come to a decision within the community

# 2. Finite State terminology

* Some of the aspects of the module allow it to model FST, albeit it might feel like a misuse (e.g. InflectionType as a state)
* Finite state terminology
  + Options: either within morph or within the scope of a new module?
    - If the latter:
      * Together with diachrony?
      * Together with sound classes?
* MI: Probably best keep it the way it is and FSTs can be implemented in a different module or another vocabulary outside of OntoLex, since it’s out of scope kinda
  + KG: +1
* CC: Treat it like the sound classes/character sounds — a (small) vocabulary out of morph, out of scope but motivated by morph

# 3. Open questions from the LDL paper

* - Variation in inflexion/Flexemes :: use to dialectal, diachronic or simply orthographic variation. Examples
  + In Latin, lavo `wash can be inflected according to either the 1st (lavare)

or the 3rd (lavere) conjugation.

* + Suppletion, eg in Old English, the verb wesan `to be' whose infinitive

represents one underlying root, whereas its indicative present singular forms

are based on two other roots (eom 1.sg. `(I) am'; bist 2.sg. `(you) are').

* + Modern Greek, `τραίνο' and `τρένο' have the same meaning and syntactic behaviour, so they can be modeled as the same ontolex:LexicalEntry, where the inflected forms of each are grouped together instead of all of them being represented as simply ontolex:otherForm. The current proposal is to introduce a new relation for orthographic variation (\onto{lexis:OrthVariant}) as a subclass of \onto{vartrans:LexicalRelation} and relate the orthographic variants through this relation.
  + MP: we can treat it as **resolved**. MP used Flexemes in his modeling but that was dataset-specific, and not necessary for the Morph module

See the slides here: https://zenodo.org/record/8036909

- Markers of morphological variation :: labels of style, dating, dialect, etc.

* + **Resolved by transfering the issue to LexInfo Vocabulary**
  + Note :: it would be desirable if the OntoLex-Morph vocabulary would eventually be accompanied by best practice recommendations for the assignment of markers and provenance.

- Challenges in word formation ::

* + not fully predictable phonological processes like assimilation or apophony, which prevent the simple juxtaposition of formative elements from generating the actual surface form of derivatives;
  + formal and semantic constraints that make a word formation rule not applicable to all the words in the lexicon with a specific part of speech.

(morph:GrammanticalMeaning??)

* CC: morph:baseConstraint should have **resolved** this

# 4. W3C day presentation

* <https://www.w3.org/community/ontolex/wiki/W3c_community_day_@_LDK2023>

CC: We can’t come up with a list of requirements right now because we still have open questions

* **TODO@MI**: go through all the requirements and give an overview of what is left
* **TODO@CC, MI**: discuss what is left
* Still TODO

# Next time

* Summer break
* Close open TODOs, especially, the ones from the last section: CC&MI to discuss what’s left and compile a list
* Restarting before LDK? 6.09? 20.09?
  + FK: We have Nexus plenary, so not 6.09