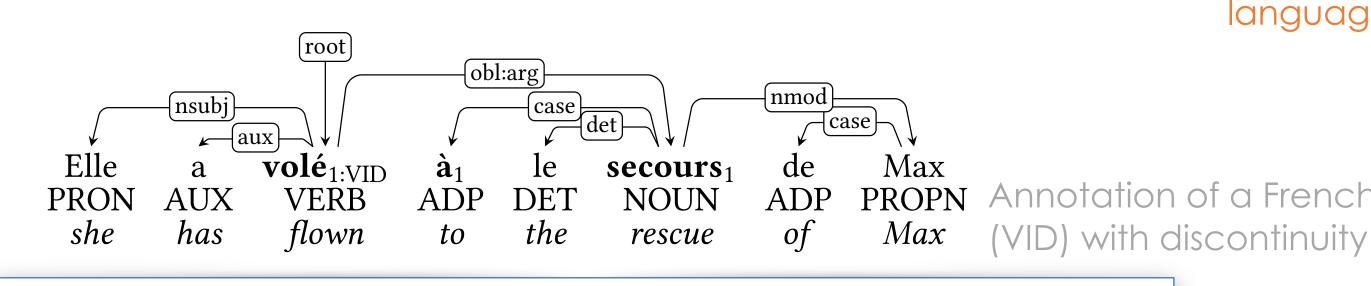


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This paper: opportunities & challenges for unifying these frameworks. We offer short-, medium-, and long-term recommendations.

CHALLENGE #1: Scope of what is identified as a *multiword expression* (MWE)

 In MWE community, defined in terms of morphosyntactic and/ or semantic *idiosyncrasy*. PARSEME has developed rigorous crosslinguistic guidelines + corpora for categories of verbal MWEs: Inherently Reflexive Verbs, Verb-Particle Constructions, Multi-Verb Constructions, Light Verb Constructions, Verbal Idioms.

• In UD guidelines, used loosely as a cover term for **fixed**, **flat**, **compound** relations (+ in some languages, subtypes like **compound:lvc**, **expl:pv**). But not all compounds are idiosyncratic.

- → short term: dispense with the casual use of "MWE" in the UD guidelines
- → *medium term*: extend PARSEME work beyond verbal MWEs to include nominal MWEs, multiword connectives, etc.; consider relationship to named entities
- → *long term*: UD: better guidelines for *productive grammatical* subsystems like templatic named entities, numbers, measurements, dates; PARSEME: partially productive constructions (as in Construction Grammar)

PARSEME Meets Universal Dependencies: Getting on the Same Page in Representing Multiword Expressions

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UD (n endency syntax) 130+ goal of languages universality	nultiv 2	vord	ME expre		S)
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PARSEME's .cupt format: UD CoNLL-U + a layer for MWEs

# global.columns = ID FORM LEMMA UPOS XPOS FEATS HEAD DEPREL DEPS MISC PARSE <mark>ME:MW</mark> E								
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2	а	avoir	AUX	_	Mood=Ind Number=Sing Person=3	3	aux	 *
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4	à	à	ADP	_		6	case	 1
5	le	le	DET	_	Definite=Def Gender=Masc Number=Sing	6	det	 *
6	secours	secours	NOUN	_	Gender=Masc Number=Sing	3	obl:arg	 1
7	de	de	ADP	_	_	8	case	 *
8	Max	Max	PROPN	_	_	6	nmod	 *

CHALLENGE #2: UD tokenization is sometimes too coarse to capture idiomatic combinations (e.g., synthetic compounds).

Hauptrolle spielen head.role play 'to play the leading role'

대해 읽다 언어**에** language:**POSTP about** read 'read **about** languages'

German & Korean examples where the ideal MWE annotation is more granular than UD syntactic words

→ short term: indicate subword character spans in **PARSEME** annotation

→ *long term*: implement a finer-grained notion of word in UD. Splitting synthetic compounds would also disambiguate cases like Swedish *bildrulle*: *bil+drulle* 'car maniac (bad driver)' vs. *bild+rulle* 'picture roll (roll of film)'.

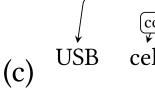
CHALLENGE #3: Idiosyncrasy at the *lexical type* level is not always reflected at the token (occurrence) level.

Washington

• MWEs can have regular syntax, even if the meaning is idiomatic and the variability of the type is restricted (fossilization).

• UD mostly targets token-level analysis, and is agnostic to typelevel variability or meaning. But this is muddled by labels like fixed, compound:lvc, expl:pv, compound:prt vs. advmod.

(a) Leave i



→ medium MWE cla MWE lay deprels

- headless?
- lexicon

fixed in case of alarm		lobo Regular vs. irregular syntax in UD					
compound compound ell phone chargers	(d) road r	(English & Portuguese)					
term: disentangle things like :lvc and :pv , which are assifications, from the syntax by moving them to an yer; address inconsistencies in some of the other							

 $\begin{array}{c} (amod) \\ (compound) \\ ($ New York City Health

→ medium term: ncompound fixed and flat under a new label, John Brown University

→ long term: link token occurrences in corpora to entries in a