Sámi Language Technology at the University of Tromsø

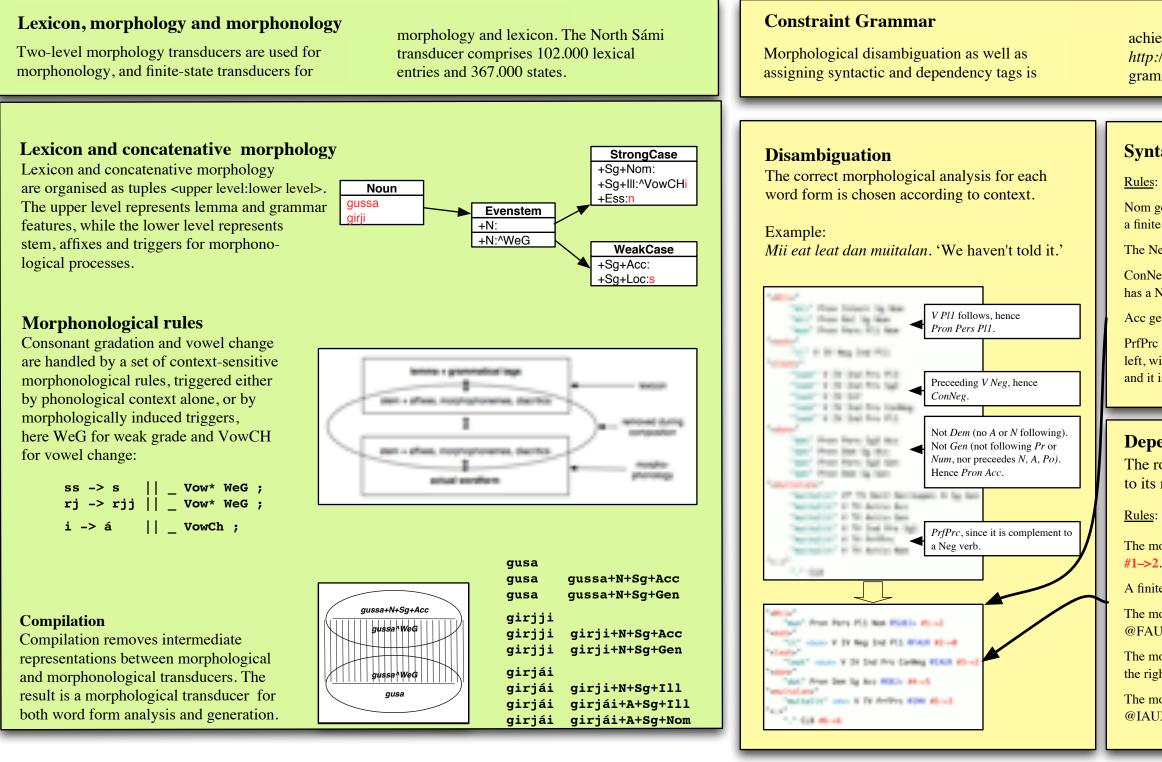
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http://giellatekno.uit.no/

Giellatekno – Centre for Sámi Language Technology

Giellatekno is a research centre specialised in formal linguistics for Sámi and to a certain extent also the other morphologically complex circumpolar languages.

Giellatekno focuses on well-defined, grammar-based analysis methods that are robust enough to form the core of linguistic tools for online and offline applications.







achieved with Constraint Grammar vislcg3, http://visl.sdu.dk/ The North Sámi CG grammar consist of appr. 3500 rules.

Syntactic functions @SYNTAG>

Nom gets **@SUBJ>** if there is no finite verb to the left, but a finite verb to the right, and no barrier intervening.

The Neg verb gets **@FAUX**.

ConNeg verb gets **@IAUX** if it is a possible auxiliary and has a Neg verb to the left and a participle to the right.

Acc gets **@OBJ>** if there is no transitive verb to the left.

PrfPrc gets **@IMV** if there is a copula or *orrut* to the left, without other participles or Actio Essive intervening, and it is not an auxiliary with a following Inf verb.

Dependency tree #1->2

The root node points to 0, each other node points to its mother node.

The mother of @SUBJ> is the first finite verb to the left

A finite verb with no mother is the root $\#2 \rightarrow 0$.

The mother of a nonfinite @IAUX is the first finite @FAUX to the left $#3 \rightarrow 2$.

The mother of @OBJ> is the first transitive main verb to the right $#4 \rightarrow 5$.

The mother of an infinite verb is the first @FAUX or @IAUX to the left $#5 \rightarrow 3$.