

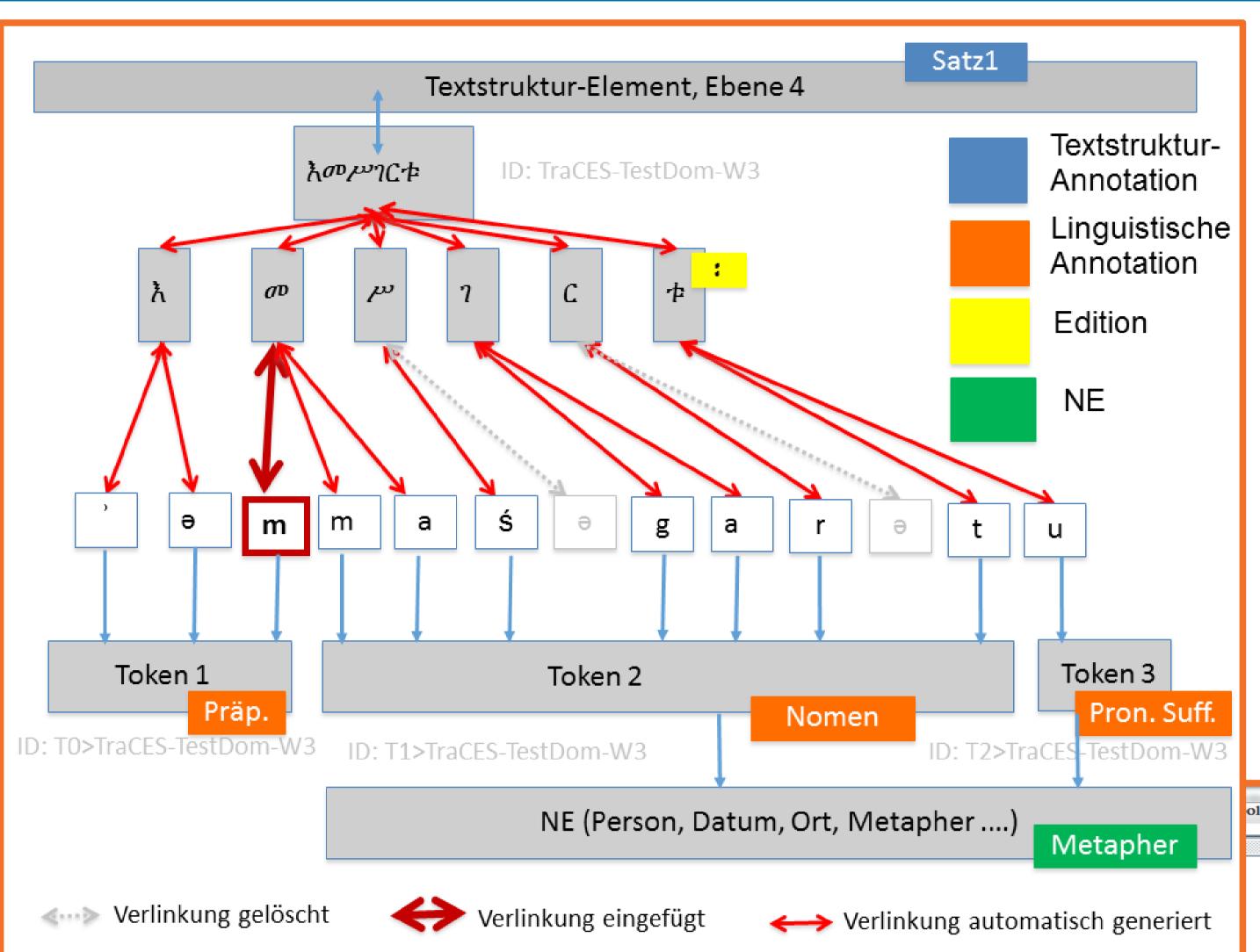


# HerCoRe

## Data Modelling for Historical Corpus Annotation

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View Annotations



Gəʿəz (a south semitic language) is mentioned for the first time as Inguage of the Aksum Kingdom (approx. 1st-7<sup>th</sup> century. B.C.). The Aksum Kingdom covered the north alpine part of today Ethiopia (Təgray) as well as Eritra until the Read Sea.the following centuries, until nowadays Gəʿəz was preserved as main language of the Christian Ethiopic Church.

The very rich early Christian literature contains a large number of translations from ancient Geek and Arabic (after the 13<sup>th</sup> century). **Gramatical interference phenomena** show these influences

#### Own Alphabet with syllabic rules

ਾਂ ⊿ੋਂ ⊠

- Written from left to right
- Complete representation of the vowels (in contrast with Arabic and Hebrew)
- Laryngals and Sibilanta are phonemich and graphemic beliebig interchangeable.

**Noconcatenative Morphologi**: a lexeme is described as a combination of two Elements: the Root and the Pattern (Scheme).

Pronominal Suffix Second Masculine Singular L0517804980b4478a8381085bf730f362--h

Show current word annotation

√qds × 'asta<u>l</u>a<u>22</u>a<u>3</u>a → 'astaqaddasa

Classical Ethiopic

ਾਂ ਕੋਂ⊠

#### **Features**

- Semi-automatic tokenisation as well as annotation of linguistic features and Nes
- Automatic Sentence recognition
- Visualisation of results of automatic operations
- Post-Annotation correction of the transliterated base Text without lost of annotation information
- Multi-levelAnnotation
- Synchronisation between original and transcribed/transliterated Text

## Implementation

- Java -based client application
- Output-Format JSON
  Export TEL ANNIS DA
- Export TEI, ANNIS, PAULA-XML
- Big-data management

## HerCoRe

#### Dimitrie Cantemir (1673 -1723)

- Prince of Moldavia (historical province) as well as "universal" humanist (linguist, ethnographer, musicologist, historian, writer)
- As member of the Royal Academy in Berlin and at the request of this institution wrote two works :
  - Description of his own country ("Descriptio Moldaviae")
- History of ottoman empire (History of Growth and Decay of Ottoman Empire)
- Original material written in Latin; Both originals were lost already by the end of 18th, century.
- Iost already by the end of 18th century
  Several copies were used as basis for translations into German, English, French,
- Russian and later in Romanian
- Sometimes the translation relies on other translation (e.g. first Romanian translation of "Descriptio Moldaviae" was done after the German version from 1774.

These translations used as reference information about the Ottoman Empire and Romanian provinces until the middle of 19th century, i.e. they give an idea about the reception about this part of the world in Western Europe.

