Easily Accessible Language Technologies for Slovene, Croatian and Serbian

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Overview

Projects

- ReLDI (Regional Linguistic Data Initiative) – SNSF
- JANES (Jezikovna Analiza NEstandardne Slovenščine) – ARRS

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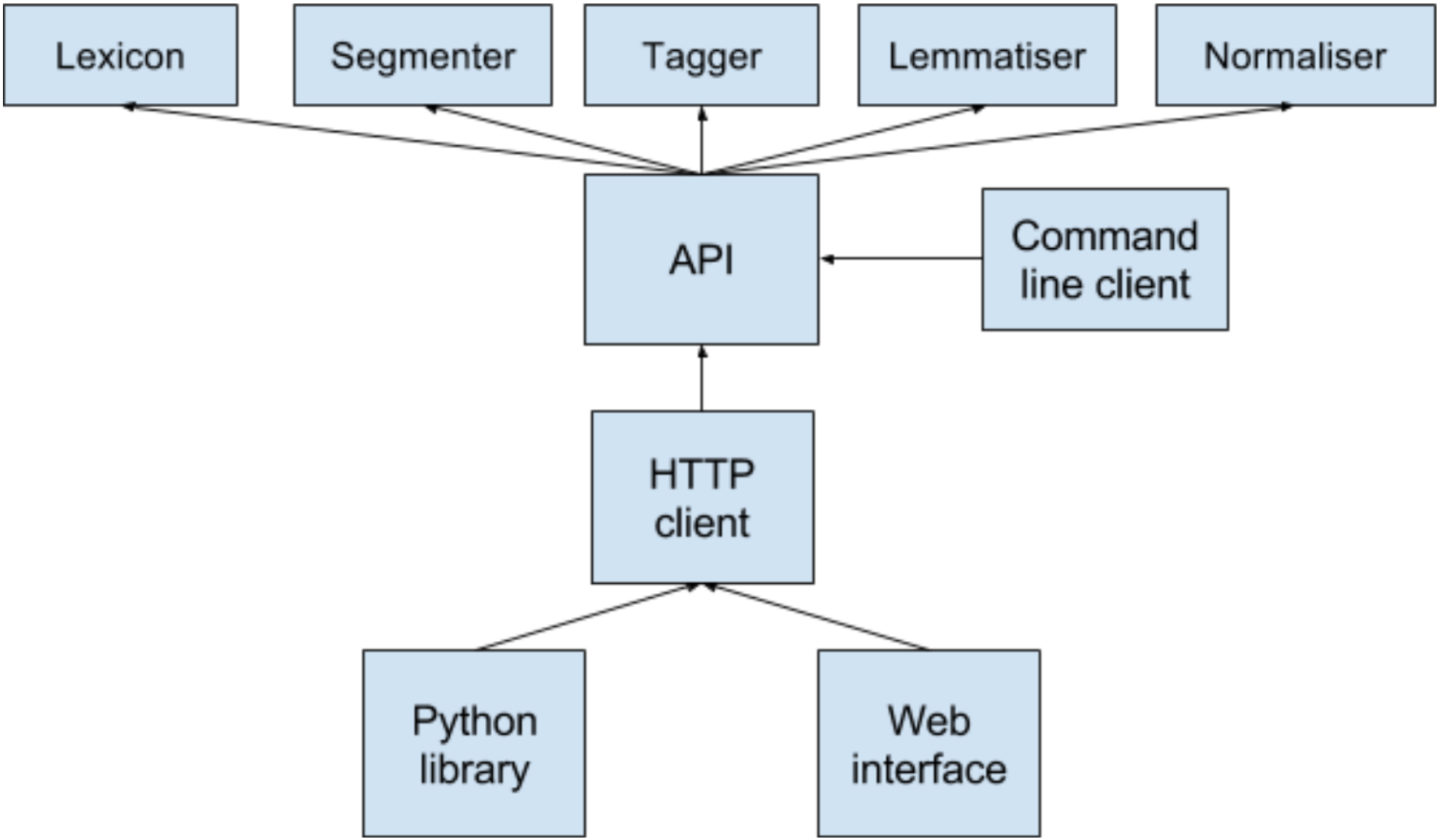
Included technologies

- Morphological lexicons (Sloleks 101k lexemes, hrLex 187k lexemes, srLex 193k lexemes)
- Segmentation
- Diacritic restoration (99% standard, 98% non-standard language)
- Morphosyntactic tagging (92-93% accuracy)
- Lemmatisation (98% accuracy)

Architecture



The near future

Technologies to follow

- Dependency parsing (`http://universaldependencies.org`)
- Named entity recognition (PERS, LOC, ORG, MISC)
- Text normalisation via character-level SMT – non-standard and historical language (error reduction of 30-80%, downstream processing error reduction of (up to) 50%)
- Semantic Role Labeling (Slovene-Croatian bilateral project)

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Migration to CLARIN

- All web services are developed to be easily included in WebLicht
- Received funding from CLARIN to add existing and emerging technologies, workshop in Ljubljana in November

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