



HiTZ

Hizkuntza Teknologiako Zentroa
Basque Center for Language Technology



ixa.eus

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About ixa

- IXA is a research group working on Natural Language Processing since 1988.
- It was created with the aim of developing basic computational resources for Basque.
- The group is composed of 35 computer scientists, 14 linguists and 3 research technicians (42 Ph.D.).
- The IXA Group offers two masters: EM LCT & HAP/LAP. ixa.eus/master

Projects



Products (ixa.eus/produktuak)

Medical domain

- FreelingMed + ADR detection:** Freeling adapted for medicine and adverse drug reaction detection ixa2.si.ehu.eu/adr2openbrat
- NeoTerm:** Generator of medical Neoclassical compounds ixa2.si.ehu.eu/neoterm
- Medical Entity Recognizer (Perceptron)** ixa2.si.ehu.eu/ixamed-pertzeptroia/NER_Pertzeptroia.zip

Products (ixa.eus/produktuak)

ixa pipes (multilingual) ixa2.si.ehu.eu/ixa-pipes

Multilingual NLP tools

ixaKat (eus) ixa2.si.ehu.eu/ixakat

A modular chain of NLP Tools for Basque

- ixa-pipe-pos-eu:** morphological analyzer and a PoS tagger
- ixa-pipe-dep-eu:** a dependency parser

Machine Translation

- matxin:** Machine translation from Spanish to Basque matxin.sourceforge.net
- EUSMT:** Statistical Machine Translation from Spanish to Basque ixa.si.ehu.eu/openmt2
- Neural Machine Translation:** ixa.eus/nmtdemo
- Unsupervised Neural Machine Translation** github.com/artetxem (tools and resources)
- Mitzuli:** The open translator app for Android mitzuli.com

Euskal RST Treebank ixa2.si.ehu.eu/diskurtsoa

Basque RST relation- and tree-bank

e-ROLda ixa2.si.ehu.eu/e-rola

A tool for looking up verb entries in the BVI lexicon and examples in EPEC-RolSem corpus

BasWN ixa2.si.ehu.eu/mcr

Multilingual knowledge lexical database

EPEC Corpus

- DEP (Basque Dependency Treebank)** ixa2.si.ehu.eu/epecdep
A syntactic corpus tagged using the Dependency Grammar Theory
- EuSemcor** ixa2.si.ehu.eu/eusemcor
Corpus tagged with Basque WordNet senses

Xuxen xuxen.eus

Basque spelling corrector