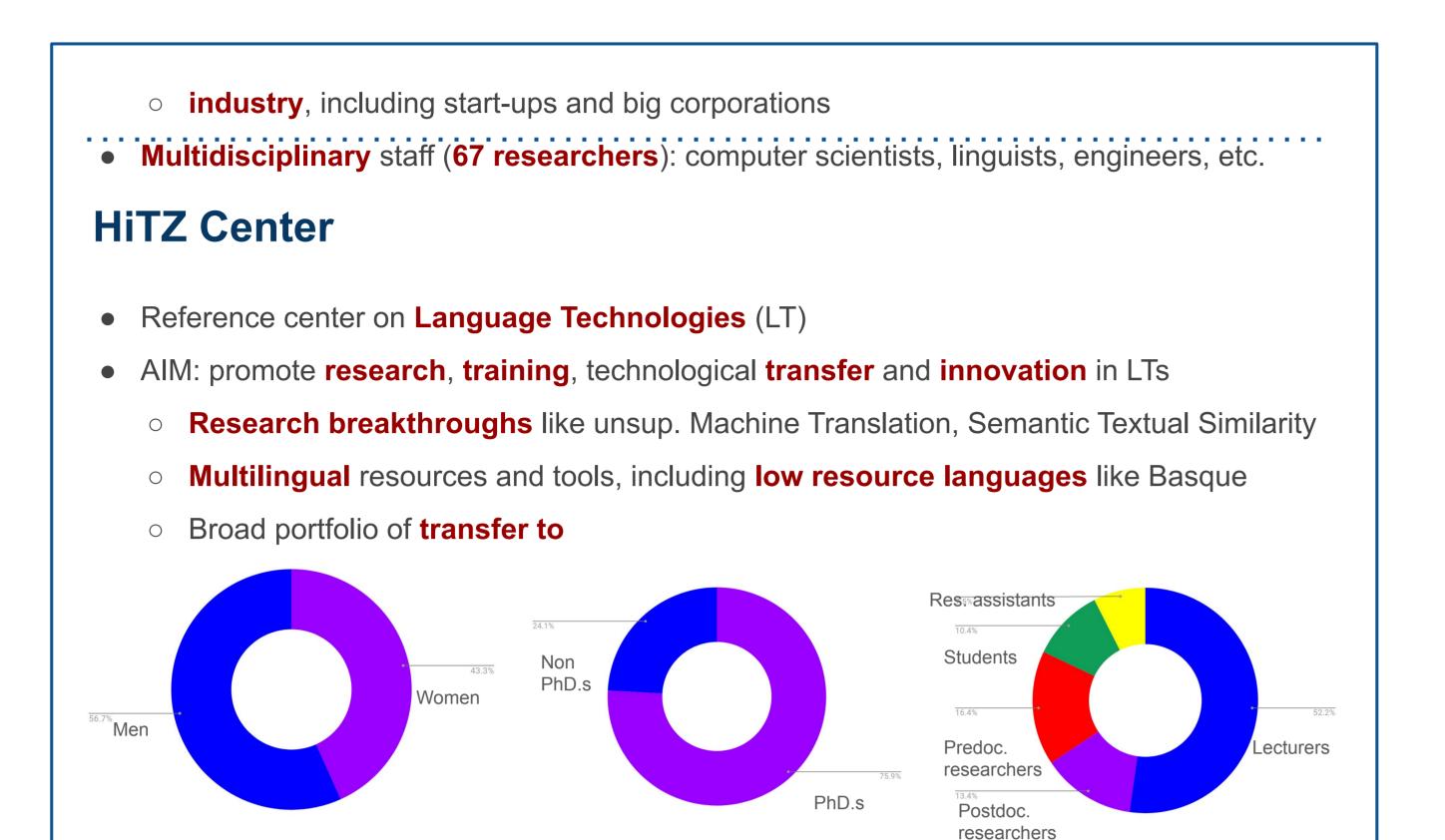
# HiTZ - Basque Center for Language Technology Natural Language Processing Made in Europe

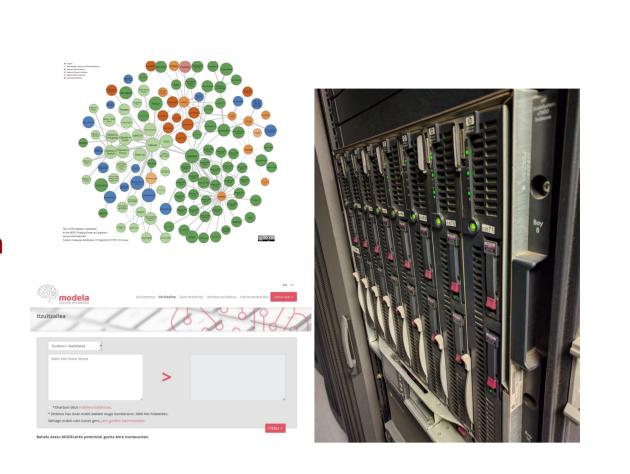
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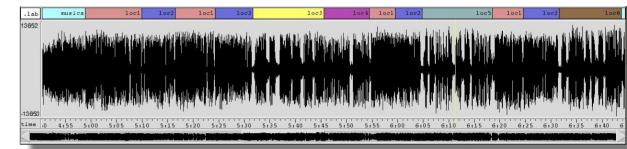


## **Highlights**

#### Human-centric Al: Natural Language & Speech Processing

- Language resources and multilinguality
- Deep learning
- Big data and Social media monitoring
- IE & IR
- (unsupervised) Neural Machine Translation
- **BioNLP** and LegalTech
- Dialogue systems, chatbots, QA
- eLearning and assistive technologies
- eXplainable NLP
- **Commonsense Reasoning**





### **Outcomes**

- Published more than 500 scientific papers, 60 per year
- **CLARIN-K** centre
- CLAIRE, EUROPEANA, Flarenet and national research networks
- More than 15 national and regional awards, and 2 Google Research Awards (2016 & 2019)
- More than 30 public and private entities using our products
- More than 100 projects in 30 years: Paths, OpeNER, NewsReader, QTLeap, Lihlith, ...



## **Training**

#### **Master's degrees**

- Language Analysis and Processing
- Erasmus Mundus Language and Communication Technologies in EU consortium

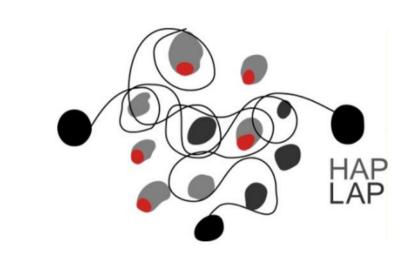
#### **Doctorate**

Language Analysis and Processing programme

- More than 60 PhD.s
- 25 ongoing

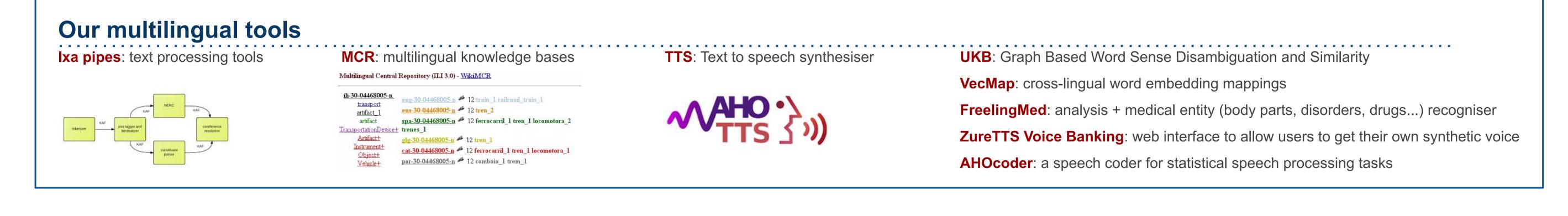
#### Life-long learning courses

**Deep Learning for NLP & MT** 



## **Ethics**

- Effort on developing open source software and resources
- Turning FAIR (Findable, Accessible, Interoperable and Reusable) into reality





## Al Strategies

## **European Al plan**

- Focusing on Human-centric AI, Cognition, NLP, Vision...
- Advanced Computing and Big Data

## **Spanish Plan for the Advancement of Language Technologies**

- HiTZ members as advisors
- Health and Justice as main domains
- Focusing on Iberian & Latin American languages
- Promoting NLP, Machine Translation, Speech and Dialogue systems...
- Aims: technological transfer, improve linguistic infrastructures
- Public administration as main promoter • 90M€ - 5 years

## **Basque Plan**

- Being designed by HiTZ members
- Coordinated with the Spanish Plan









Plan TL

Plan de Impulso de las Tecnologías del Lenguaje