



MCIF Research Interest - enetCollect - CA16105

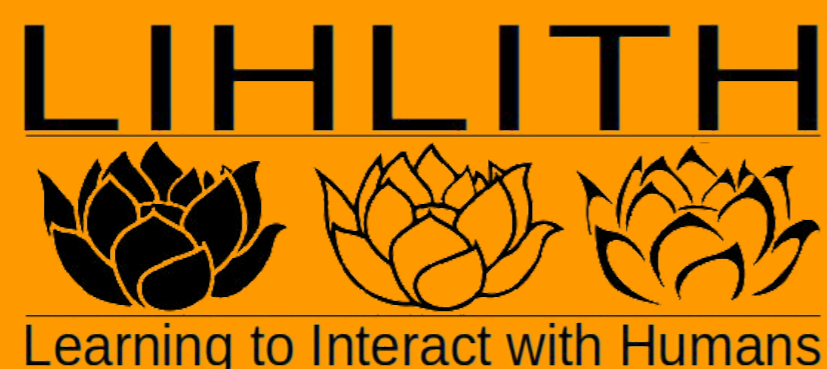
IXA Research Group <http://ixa.eu> @IxaGroup

Crowdsourcing for the Development of Dialogue Systems

- **Dialogue systems** (aka **chatbots**) can change the way we interact with computers.
- **Brittle and costly to develop**: Most systems based on manually written rules.
- **Limits technology adoption**: need to be developed for each application and domain.
- **Machine learning for dialogue**: large amounts of dialogues required.

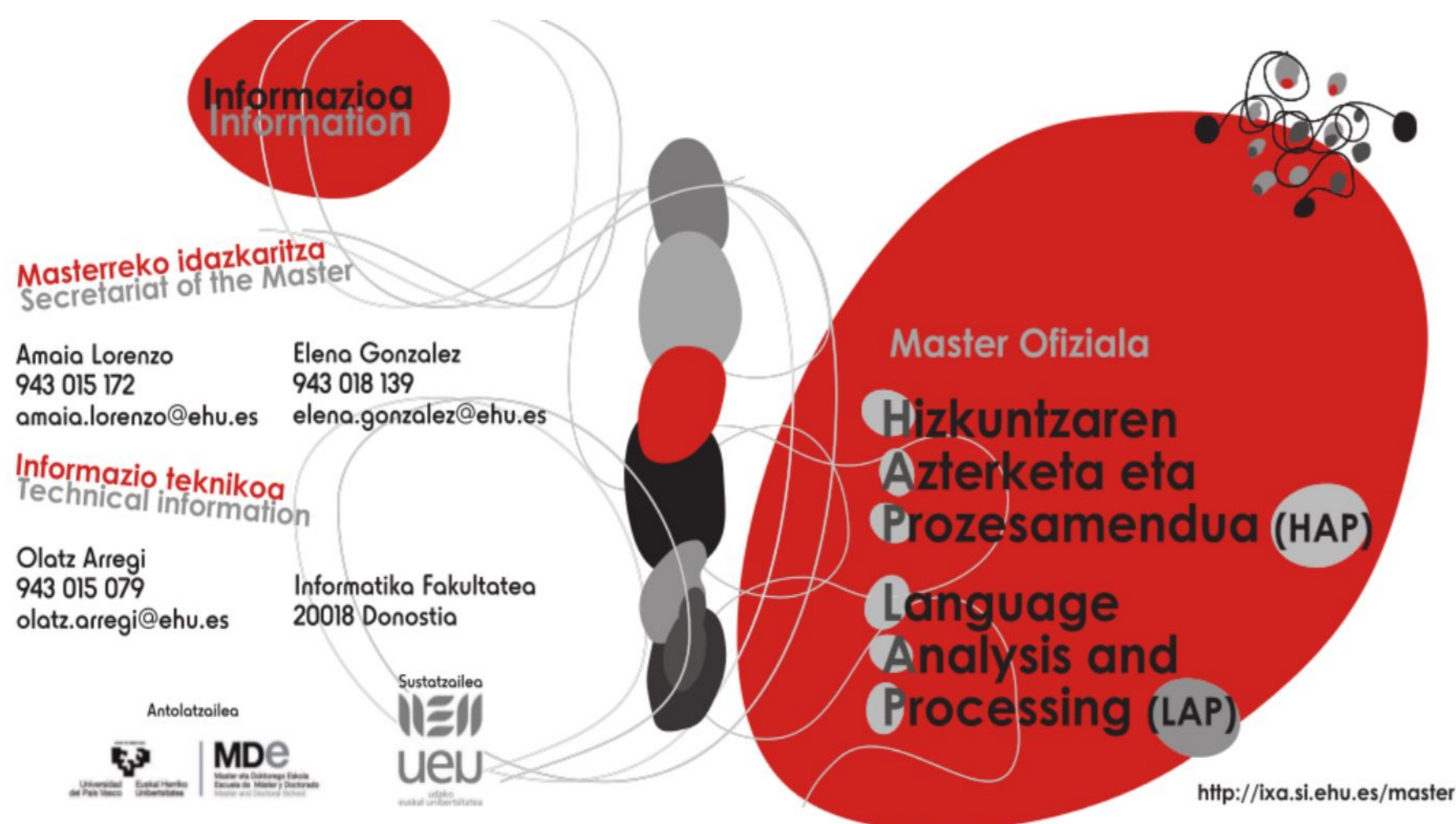
Solutions based on:

- **Crowdsourcing** and **gamification** techniques to obtain large amounts of sample dialogues in different domains.
- How **crowdsourced dialogues** and trained systems may be leveraged for **language learning**.



LIHLITH (2018-2020) is a CHIST-ERA project selected for the call 2016 "Lifelong Learning for Intelligent Systems (LLIS)".

Education

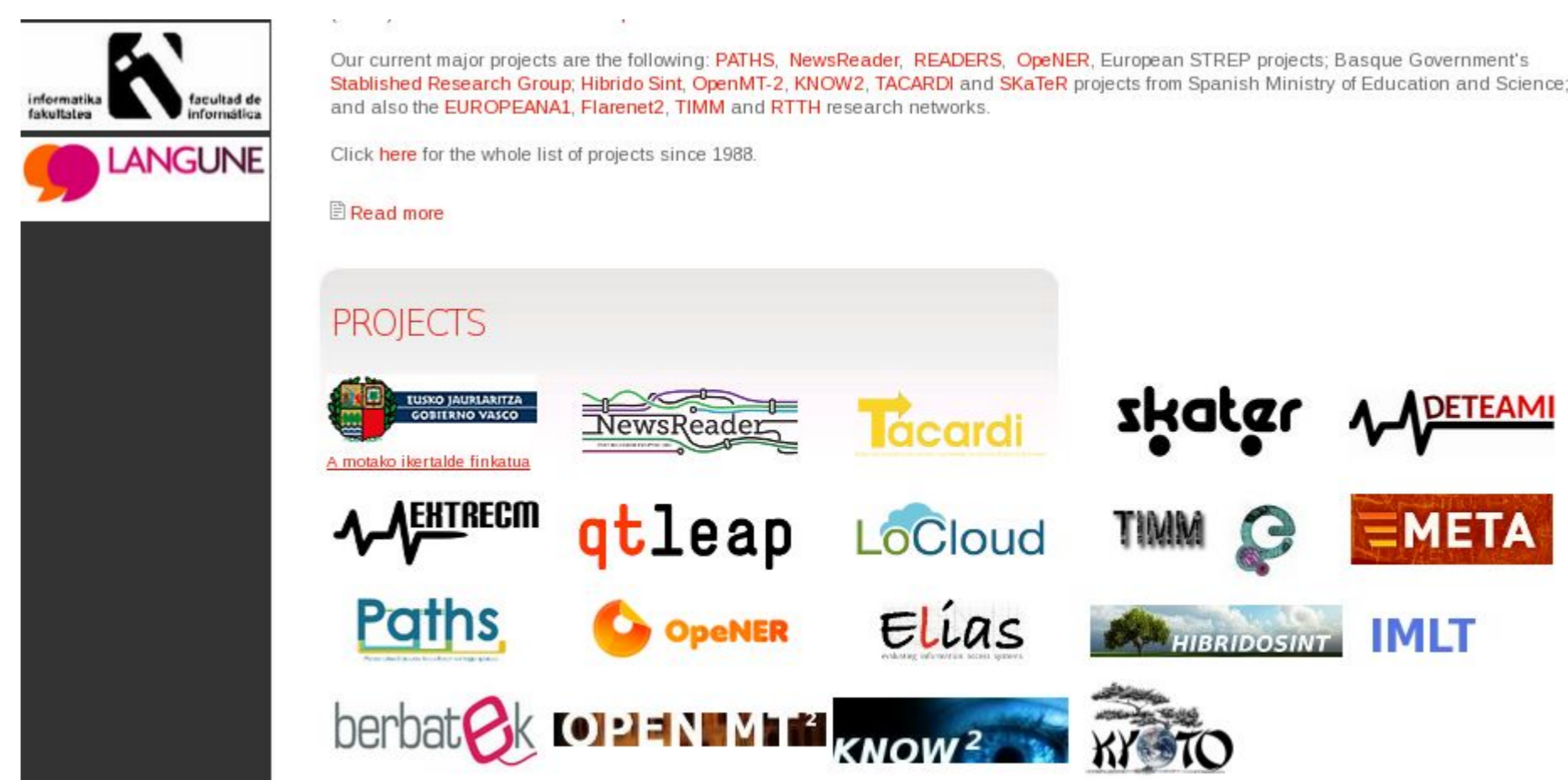


Publications and Projects

- Around 50 scientific papers/year
- **Active Research Projects**
 - 2 European, 4 National, 3 Basque
 - 4 industrial

Main Focus

- Multilingual Text Processing
- Big Data and Deep Learning
- Open Source Linguistic Resources and NLP Tools



- **Eneko Agirre**: >8.000 scientific citations
- Winner of Google Research award
- > 250 scientific papers
- IP: 5 European, 2 national projects...
- Supervisor of 14 PhD thesis

- Basque spell checker: <http://xuxen.eu/>
- Multilingual WordNets (MCR)
- IXA pipes <http://ixa2.si.ehu.es/ixa-pipes/>
- Machine Translation from-to Basque <http://ixa.si.ehu.es/nmtdemo/>
- Biomedical Text Processing