LINGUATEC: Development of cross-border cooperation and knowledge transfer in language technology
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To cite this version:
Congrès Lo, Kepa Sarasola, Jean-Baptiste Coyos. LINGUATEC: Development of cross-border cooperation and knowledge transfer in language technology. Nexus Linguarum Cost Action 1rst plenary meeting, 2020, Praga, Czech Republic.
artxibo-02494780

HAL Id: artxibo-02494780
https://artxiker.ccsd.cnrs.fr/artxibo-02494780
Submitted on 29 Feb 2020

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LINGUATEC (2018-2020)
LINGUATEC: Development of cross-border cooperation and knowledge transfer in language technologies
Itziar Aldabe, Josu Aztiria, Francho Beltrán, Myriam Bras, Klara Ceberio, Itziar Cortes, Benaset Dazeas, Erramun Osa, Kepa Sarasola, Aure Séguier, Jean Sibille, Joseba Zabaleta

IDIOMAS Y PARTICIPANTES

Elhuyar Foundation (coordinator)
Non-profit foundation. Basque in specialized fields (journal, research books, dictionaries...).
Research and NLP applications

LO CONGRÈS (Pau)
Regulating agency for Occitan. Computer tools (lexicography, lexicology, terminology, neology, phonology, orthography, grammar and toponymy).

CNRS (Toulouse)
Midi-Pyrenees Regional Delegation. Linguistics and NLP for Occitan and French. Building resources for Occitan language.

Aragón Turismo (Zaragoza)
Tourism Promotion and Management Society Entity in charge of the Aragonese language. Collaboration with the Aragonese Technological Institute (ITA)

Euskaltzaindia – Acad. of Basque Language
Language resources and consultation service on Euskara in the north of the Basque Country

IXA taldea – Univ. of the Basque Country
Advice/experience of 30 years in NLP Improved Spanish-Basque translation Translation system for Basque-French.

APPLICATIONS TO BE CREATED

Applications to facilitate interoperability between the languages of the Pyrenees.
Planned applications and responsible partner:
- LO CONGRES
  Downloadable translation bar for Websites
- ELHUYAR
  MT application for CMS
- ELHUYAR
  Translation app between the languages of the Pyrenees:
  Basque-French, Basque Spanish, French-Occitan and Spanish-Aragonese
- EUSKALTZAINdia
  Handbook of the Unified Basque. "Euskara Eskuz Esku Digitala".
- TURISMO DE ARAGÓN
  On-line dictionary of Aragonese.

RESOURCES TO BE CREATED

BASQUE
- Speech recognition: word recognition and classification
- Speech synthesis in Northern Basque
- Improved translation of the Spanish-Basque pair
- Interactive digital tool on the rules of Basque Language Academy (Northern dialects).

ARAGONES
- Speech synthesis in Aragonese.
- Improved machine translation in Spanish-Aragonese
- Online dictionary of Aragonese

OCCITAN
- Monolingual Occitan lexicon with flexed forms
- Bilingual lexicon with common words in other languages
- Morphosyntactical analysis and corpus construction
- Parsing and dependency corpus
- Speech synthesis for mobile devices
- Occitan Text Detector
- Text detector of text in Occitan variants
- Improved French-Occitan machine translation

Information and contact
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