

# HUMAN LANGUAGE TECHNOLOGIES FOR THE RETRIEVAL, CLASSIFICATION, EXTRACTION, ANALYSIS AND GENERATION OF DOCUMENTARY INFORMATION AND SOCIAL WEB



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## ABSTRACT

The University of Alicante has developed different techniques for the conversion of the documentary information into precise knowledge. The key lies on detecting the relevant aspects of the data dismissing its useless parts, for then analysing, classifying and discovering the hidden knowledge in the documentation and thus generate structured and specialized databases. This will feed new vigilance or decision-making processes but also generates new documents with specific purposes.

Sentiment Analysis and Opinion Mining are also employed in this process due to the exponential growth of the Social Web and the Web 2.0 data. By means of the abovementioned technology, researchers have developed four products that could be customized to specific requirements of any company or institution.

## TECHNOLOGY ADVANTAGES AND INNOVATIVE ASPECTS

- Adaptation of developed applications to any sector or area of activity.
- Automatisation of search need and requirements for business information analysis.
- Possibility to use the different applications separately or have them integrated in an overall application.
- Built up of tools for decision-making and technological surveillance.

## MARKET APPLICATIONS

Applications can be employed in any sector, which deals with big amounts of data that need to be processed and where there is the need for information extraction and data upon request.

Among others:

- Management of administrative data, databases and other kind of text: retrieval, follow up and classification
- Monitoring and follow up of Web published information
- Public administration
- Journalism and news management
- Marketing and drafting of socio economic studies
- Business development, Business intelligence

## COLLABORATION SOUGHT

GPLSI is looking for companies or entities interested in its know how to develop concrete applications the client needs depending on his requirements and context. We also look for partners to develop other applications and or research project jointly.

The proposed technological agreements are:

- License agreements: Know how license
  - Commercial agreements with technical assistance
  - Joint Research and Development projects
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