Extraggo®

multilingual text analytics to get the gist of any text

With Extraggo® you can distill and organize knowledge from a text. Thanks to its seamless combination of statistical and semantic techniques, **Extraggo**® is the system that allows you to **get meaningful insights out of text**, independently of the language used in the input data. It can:

- Recognize languages
- Extract and rank **keywords**, **concepts**, **entities** and **domains** involved in a text and **interconnect** them in an intelligent way
- Generalize terms to concepts and named entities, independently of the language
- Detect cross-lingual semantic similarity
- Represent key concepts in a knowledge graph

Terms, concepts and entities are **ranked by importance**, and the domain information conveyed in the text is provided. Its special asset is the **high precision of domain extraction and classification**, with more than 600 domains covering every field of human knowledge, ranging from art to science, politics, sport, law, computing, finance, and much more.

Uses of Extraggo®

SOME EXAMPLES

DOMAIN EXTRACTION



Given a data collection, Extraggo® mines **keywords** and **domains** and maps them by topic.

This is fundamental for any text analysis task, but it also makes it easy to get the gist of a text. Turning Extraggo® into a crucial tool in many fields, including **cybersecurity**, **news monitoring** (monolingual and multilingual), **disaster prevention**, **public health**, **governmental companies** and **organizations**.

KNOWLEDGE MANAGEMENT



The Extraggo® system analyzes data and organizes them by topic. A **smart organization** of data is the first step to making them more useful and **optimizing knowledge management**.

Whereas traditional search was based on keywords, semantic search is based on **concepts** and **search intent**. This is critical for **publishing houses**, **press companies**, and **newspapers** in order to optimize and **personalize results** and to suggest **related contents** to their readers.

LANGUAGES SUPPORTED

Extraggo fully supports 10 languages.



More languages are available upon request.

DOCUMENT COMPARISON ACROSS LANGUAGES



Extraggo[®] distills knowledge from text written in **multiple languages**.

Furthermore, concepts and entitiès are linked to **WordAtlas®**, **our multilingual knowledge graph**, which enables language independence.

This makes it possible to compare the core of documents **independently of the input language**, facilitating **academic** or **scientific research** in any field.

Babelscape

http://babelscape.com | Email: info@babelscape.com

How it works

GIVEN A TEXT, EXTRAGGO PROCESSES IT AND EXTRACTS THE INFORMATION



Babelscape

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A glimpse inside the machinery

EXTRAGGO® IS INTEGRATED WITH OUR COMPANION PRODUCTS COMPREHENDO®, WORDATLAS® AND NLP PIPELINE



COMPREHENDO®

Comprehendo[®], the core engine of Babelscape's multilingual text understanding, identifies the proper meaning of a dictionary word in a given context. It works in tandem with Extraggo[®], extrapolating the meaning of the text and linking ambiguous words explicitly to concepts and entities.

This system works with both **standard text** and **text snippets** and brings two main advantages:

- It enables the **semantic aggregation** of similar information written using different words, either in the same language, or in different languages
- It enables discrimination between meanings of the same word

WORDATLAS®

In Extraggo®, concepts and entities are linked to WordAtlas®, our next-generation multilingual knowledge graph. WordAtlas® provides millions of lexicalizations for each language, from common nouns, adjectives, verbs and adverbs, to hundreds of thousands of technical terms and millions of named entities, such as people, locations, organizations and products.

Each meaning comes with a wealth of information, including:

- synonyms in dozens of languages
- **definitions** (often multiple) in each language
- taxonomical information: generalizations and specializations
- thousands of **different relations**



Extraggo® is a module of our Natural Language Processing Pipeline, which performs tasks like language recognition, morphological analysis, part-of-speech tagging, lemmatizing and named entity recognition.

In addition, our pipeline also features:

- **large scale**, making it possible to process millions of texts in seconds
- parallelism of independent modules, which can run dozens of tasks independently
- availability both as an **online** service and as an **offline** software package

We have developed our pipeline giving priority to the highest levels of **vertical** and **horizontal scalability**. Our pipeline is ready to be applied on **cloud infrastructures** through the use of using the most common orchestrators.

Pricing

Extraggo has been conceived with a **modular pricing model**, so as to be a **flexible solution** to your specific business requirements.

You can choose the number of languages, go for online vs. offline usage and ask for customized domains. Every company is unique, and that's why we will create a **customized plan** for you.

Contact us at info@babelscape.com.







Babelscape

http://babelscape.com | Email: info@babelscape.com