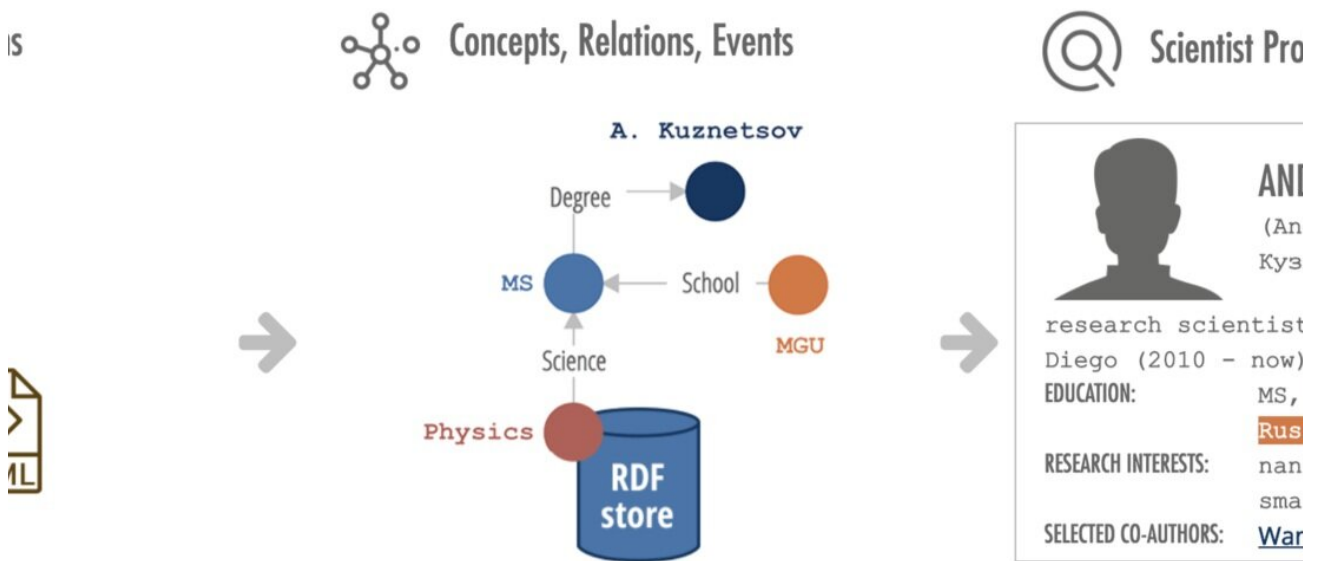




- Products
- Use Cases
- Solutions
- Health & Life Sciences
- Resources
- Company

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K-Extractor™: See the scientific landscape at a glance

Customer Scenario

Need

Know the top players in **virology** and **microbiology** fields, what they are working on, who are they affiliated with, and who funds them.

Big Data: Volume, Variety & Velocity. Thousands of new papers are published every day, collecting this information and keeping it up to date is no longer feasible to do by hand.

Challenge

Lymba's Solution

Solution

K-Extractor automatically extracts knowledge centered on authors, their research topics and research funding to generate consolidated interlinked profiles for each person.

Input

Thousands of scientific research publications in PDF format, web pages with bio pages, conference schedules.

Scientific profiles - creating in depth "baseball cards" for each person with the following information:

- Employment and affiliation history
- Projects, co-workers and co-authors
- Funding and awards
- Education
- Topics of interest
- Family and personal information
- Contact information

Each item on profile has a direct link to supporting documents from input collections. Profiles are connected to each other

with hypertext links.

Output

Key Features

- **Document structure recognition** for PDFs and other complex file formats to detect the following elements:
 - title, authors and affiliations
 - headers and footers
 - section titles and content
 - citations and references
 - tables and illustrations
- **Deep semantic processing** of the text fragments to extract the concepts and semantic relations of interest.
- **Resolving aliases** of people, organizations and other concepts: spelling variations, short forms, synonyms, etc. Merging concepts together enables the combination of knowledge from multiple sources.
- Extracted knowledge is saved into an **RDF store** that is available to the customer. Lastly, the RDF store is automatically queried to generate connected profiles for each person mentioned in the input collection.

Check out K-Extractor for more details on the product and its features.

Or request a demo with us:

Contact Us

Products

Knowledge Extraction
 Jaguar: Ontology
 NL2Query™
 CHiPS: Semantic Search
 PowerAgent:

Use Cases

Text Analytics
 Systematic Literature Review
 Ontology Creation for Training and Search
 Scientific Profile Generation
 Patient Profile
 Social Media

Solutions

Knowledge Base Creation

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