

The CEA - the French Alternative Energies and Atomic Energy Commission chose MyScienceWork to develop tools for knowledge management projects

PARIS, France, November, 7th of 2019. MyScienceWork is happy to announce that CEA chose the Sirius solution to establish “Proof of Concept” for the extraction of information from scientific records. MyScienceWork’s expertise and the advanced technologies Sirius relies on offer the CEA a powerful, upgradeable and expert solution.

The Sirius solution will be implemented in order to facilitate the extraction of information from PDF files and specifically:

- Named entities (authors, places, organizations...)
- Concepts: terms and scientific expressions linked to CEA jobs (in French and English)
- Links quoted in publications references.
- Links between author and reference.
- Links between author, country, and entity.

The extracted data will be used to link together related information - for instance, concepts from the documents to authors, or co-authors of the same publication.

“Our participation to the knowledge management project allows us to bring all our expertise in data extraction and analysis to the CEA, as well as the associated technology. The cutting edge technologies we use and their application to the CEA problematic will give powerful tools for a better understanding of their research content, and will allow a deep analysis of their external structure content.” explains **Manuel Guzman, Research and Development Director in MyScienceWork.**

Sirius: Data science applied to scientific data

Created in 2016, Sirius is a data science service that supports all the scientific sector stakeholders (research centers, universities, publishers, innovative companies...) to:

- Automate the metadata production and the classification of files,
- Upgrade research and navigation within a data corpus,
- Evaluate scientific production,
- Analyze and compare its positioning.

Based on powerful and upgradeable technologies, Sirius merges automatic treatment expertise of natural language and machine learning, and adapts its algorithms for each different project.

Learn more about every use of Sirius: <https://www.mysciencework.com/sirius>.

About MyScienceWork::

Since 2010, MyScienceWork has partnered with several research and innovation institutes around the world. MyScienceWork offers scientific communication services and develops solutions to help scientists and their institutions to map, manage, analyze, promote and spread their results to all stakeholders of research and innovation field.

About CEA:

The French Alternative Energies and Atomic Energy Commission (CEA : Le Commissariat à l'énergie atomique et aux énergies alternatives) is a public organism for scientific, technical and industrial research (EPIC). A major player in research, development and innovation, the CEA operates in four domains: defense and security, low carbon footprint energies (nuclear and sustainable), technological research for industry, and fundamental research (materials science and life sciences).

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