

## LEXISTEMS' "NLP Deep Learning" Project Laureate of Bpifrance's 5th Digital Innovation Contest ("CIN")

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FOR IMMEDIATE RELEASE

**LAVAL, France -- LEXISTEMS, a leader in meaning-based data processing solutions, today announced that its "NLP Deep Learning" project - an ambitious R&D program for more intelligent interactions between man and data - is one of the winners of Bpifrance's 5th Concours d'Innovation Numérique (CIN).**

The [Commissariat général à l'investissement](#) (under of the supervision France's Prime Minister), the [Direction générale des entreprises](#) and [Bpifrance](#) today released the names of the 53 laureates of the 5th [Concours d'innovation numérique](#) ("Digital Innovation Contest") or "CIN". Among the nominees, out of a demanding two-step down selection that counted no less than 194 participants, LEXISTEMS was listed for its "NLP Deep Learning" project - the only one of the kind in this edition.

The Concours d'Innovation Numérique - or CIN - is meant to help and support innovation in the widest sense of the term (innovative processes, new usages, disruptive economic models...) as long as it emanates from French companies. In effect, the CIN finances about half of the R&D expenses incurred by the selected projects, via both grants and repayable advances in equal proportions. The economic media have repeatedly and unanimously underlined how beneficial Bpifrance and the CIN have been for innovation in France, and many are the examples of selected small but visionary companies that finally became major players in their respective field of business. Another benefit for these burgeoning startups is that they are implicitly vouched for and labeled as very promising by professionals highly skilled in technology and finance.

The "NLP Deep Learning" project presented by LEXISTEMS reflects this perfectly ("NLP" stands for Natural Language Processing). To summarize the 100+ pages technical document on which the jury auditioned Marie Granier and Frederic Milliot - both co-founders and respectively the company's CEO and CTO -

the proposed effort aims at developing new techniques for querying data and documents in natural language, in multiple languages, based on proprietary linguistic technologies enriched with textual deep learning algorithms, in order to achieve systematic disambiguation. In layman's terms, LEXISTEMS is creating ready-to-use technologies that let everyone ask questions to any digital device, just like they would to a human expert facing them, and get accurate, actionable answers. It is to help the team refine some aspects of these multi-faceted technologies and further strengthen their technical advance that Bpifrance allowed LEXISTEMS an envelope of 232,000 €.

The project also reflects LEXISTEMS mission, which is to deliver solutions for intelligent interactions between man and data. To that effect, LEXISTEMS has started exhibiting a number of Web and mobile prototype applications that allow anyone to search, connect and extract data by meaning, via speech or keypad. Compared to keywords or intents+entities analysis, meaning is a game changer. Whatever the type of data (textual, numeric, mathematic, geographic), whatever its format and structure (or absence thereof), whatever the language, meaning-based processing yields meaningful results.

*"On behalf of the whole LEXISTEMS team, I just want to express both our pride for being among the laureates in this very high-level competition and our gratitude to Bpifrance for helping us carry out this ambitious and really innovative program" said Granier a few minutes after learning about the selection. "From LEXISTEMS' inception we have all have been convinced that processing data by meaning is the only way out of the strong limitations of keywords. It takes a few minutes for the results we have achieved so far to prove that definitely against the most famous search engines and digital assistants. People who test our prototypes - professionals or individuals alike - want them on their laptop or smartphone right away. These prototypes will become commercially available applications and APIs before the end of the semester but we intend on doing even better, especially for the matching of knowledge in different languages, and the CIN support for the NLP Deep Learning project will significantly shorten our time to market in this area."*

Tags: LEXISTEMS, Artificial Intelligence (AI), Natural Language Processing (NLP), Meaning-based data processing, Data science.

Tweet this: @LEXISTEMS "NLP Deep Learning" project laureate of @Bpifrance's 5th Digital Innovation Contest. <https://lexistems.com>

### **About LEXISTEMS**

LEXISTEMS delivers solutions for accessing and processing data by meaning. These solutions let organizations search, connect, analyze and produce information based on meaning, in natural language, in different languages. Which is 100x more powerful and pertinent than with keywords. LEXISTEMS' solutions combine state-of-the-art Artificial Intelligence, Natural Language Processing and security technologies. With just a few lines of code, they augment any application with operational intelligence, business expertise and natural language ease of use. For LEXISTEMS customers, data assets and applications of any size and complexity become profit centers with measurable ROI. Learn more at <https://lexistems.com>.

### **About Bpifrance**

Bpifrance is a French public bank owned 50% by the French State and 50% by the Caisse des Dépôts. It is dedicated to promoting the financing and development of companies operating in France, and in particular SMEs. As a public investment bank, Bpifrance is the trusted partner to entrepreneurs, banks and investors. It benefits from a highly protected legal status and its ratings are considered by Moody's and Fitch as aligned to those of the French government. Bpifrance's motto - "Servir l'Avenir" - translates as "To Serve the Future". Learn more about BPI France at <http://www.bpifrance.fr/>.

### **About The PIA (Programme d'investissements d'avenir)**

The Programme d'investissements d'avenir ("*investments for the future*"), supervised by the Commissariat général à l'investissement (CGI) has been endowed with a capital of 47 billion euros, out of which 36 billions have already been committed since 2010, in six strategic directions for tomorrow's France: higher education and training, research and its monetization, industrial modernization, sustainable development, the digital economy, healthcare and biotechnologies. Learn more about the PIA at <http://www.gouvernement.fr/investissements-d-avenir-cgi>.

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