What is the Logoscope? The Logoscope is the first tool especially designed to detect new words of the French language, to document them and allow a public access through a web interface.

How does it work? Daily, this semi-automatic tool collects new words by browsing French online well-known newspapers such as Le Monde, LeFigaro, L'Équipe, Libération, La Croix, Les Échos.

Why is it new? Since other existing tools are essentially designed to help at dictionary development, they do not really take into account the complexity of the context in which the new words occur. Indeed, every new word appears in a particular context in order to fulfill a specific function and its use is (also) determined by several norms (as e.g. that of the genre of the text and of the style of the newspaper). One of the goals of the Logoscope is to extract information on the textual and discursive contexts in which word creation occurs. In particular, we have developed "Thematic", a tool to determine the (journalistic) topics a given text of the French press is about.

The goals of our presentation are the following:

1. To expose the originality of the Logoscope from a linguistic point of view.
2. To present some of the NLP techniques we used.
3. To make a practical demonstration of our web interface.
4. To discuss the possibility to adapt our technologies to other languages and research fields.