DEKADE
A Development, Evaluation, Knowledge Acquisition and Demonstration Environment for Knowledge-Based NLP

DEKADE was originally developed to facilitate the operation and enhancement of the OntoSem natural language processor. It has also proved useful for other research projects, both inside and outside the ILIT lab.

The two main components of DEKADE are its API and GUI.

The API, written in Java, is an extensible collection of functions and objects which make use of the OntoSem system efficient and user-friendly.

The interface, written in Java/Swing, supports a plug-and-play environment, allowing researchers and developers to quickly add new panels to the interface, which already supports a robust editor for each of the major static knowledge resources of OntoSem, as well as a step-by-step processor of the OntoSem analyzer.

Applications Using OntoSem and Dekade

SemNews
Developed by Akshay Java.
A semantic analysis of RSS news feeds, and conversion to OWL.

EBIDS
Developed by Al Stone.
A social engineering email detection system, using NLP.

The Hobbit Project
Developed by Jesse English, Sergei Nirenburg.
A machine reading / continued learning project.

For further information contact Jesse English (jesse.english@umbc.edu) or Sergei Nirenburg (sergei@umbc.edu)