**Résumé du projet de recherche (Langue 1)**

The aim of this thesis is to study and to propose new approaches to handle order and monotonicity in fuzzy decision trees. Fuzzy decision trees are currently constructed from a set of training data and are used to classify objects. New trends of researches will focus on the enhancement of the capabilities of this approach to order a set of classified objects and recover the monotonicity properties underlying the training data. The use of such artificial learning tool will be studied in presence of imprecise and imperfect data in a highly scalable setting.

**Résumé du projet de recherche (Langue 2)**

Ordonnancement par arbres de décision (flous)