



Montpellier, the 12th of November 2013

Scientific Program for the Master-Internship of M Mohammad Amin Farvardin
1/12/2013 – 30/10/2014 (11 months)

“Semantic Web services for
Opinion Mining from land-use planning documents”

This work is part of a project called Senterritoire, which is aimed at developing a decision-making environment for land-use planning documents. The approach is divided into three stages (Geographical information, domain-related words and opinions). In the first stage, it focuses on the semi-automatic extraction and disambiguation of named-entities (geospatial features and Organization) using a hybrid approach that includes different techniques (e.g. NLP techniques and supervised learning methods) and semantic information (gazetteers, dictionaries, and so forth). The next steps focus on extracting domain-related features to identify opinions related to spatial information. The objective of the Master Project will be to develop the associated software, starting from textual documents, using specific lexicons and extracting opinions. During the Master Project, a set of semantic web services and workflows will be built. They will be integrated in a web application called SenterritoireViewer in order to evaluate various opinion-mining approaches on several real data sets (on territories and environmental data). Specific evaluation process has to be defined with the associated end-users.

You will be working under the supervision of Pr. Mathieu Roche (Cirad), Dr Eric Kergosien and myself.

A handwritten signature in purple ink, which appears to read "Maguelonne Teisseire".

Maguelonne Teisseire
Research Professor