



## Course Project – Part 1

AFLO - The Association of Forest Land-Owners decided to organize their activities into a relational database and they hired a skilled team of Database Analysts from FCUL.

From their description they need to account for land owners, for which we know their name, address, age, VAT number, phone and (if exists) the spouse name, age and phone. Each land owner may have one or more land properties, for which we know the area, parish (*freguesia*), municipality (*concelho*) and district. Note that a parish belongs to a municipality and a municipality to a district. Each land property may have been divided into stands (an uniform forest land area with the same composition (species) and age is called a 'stand'). For each stand we may know the forest species present (e.g. Pine, Eucalyptus, Cork-oak), its total area and the year it was planted. For each stand we must also know the other stands to which it borders and are managed by AFLO.

Write a report that should contain:

- The E/R model of the Universe of Discourse presented above and the additional integrity constraints identified
- The relational model
- The SQL/DDL instructions for creating the tables. Please note that SQL and other code **should always be presented** in a Fixed Size Type font like Courier New.

Students should compose a **one file PDF** with the report. The first page should include the group number, names and numbers of students **and the amount of time (in hours) each student contributed to this phase**

**Due date: October 14 at 23:55, 2018** (use the Course Moodle for submission) For the E/R model students may enclose a **readable** photograph of the model.