

<b>Departamento de Matemática da Universidade de Coimbra</b>		
<b>2016/2017</b>	<b>Bases de Dados</b>	<b>Projecto 1a</b>

**Even Groups, e.g. grupo02, grupo04, ...**

## **Volcanoes**

We wish to save the information regarding volcanoes and their eruptions.

It is necessary to save the information about the volcanoes: name location, address (official address), country, altitude, if active or not, etc. and about its eruptions.

It is also necessary to keep record of the scientific publications related to each volcano: publication information and also about the scientific institutions that where involved in the study.

1. Build the Entity-Relationship Diagram (ERD) for this problem.
  2. Transform the ERD in a Relational Model (MR).
  3. Implement the MR into a MySQL database.
  4. Write some appropriated queries.
- Write a report (5pp max) with the solution and all the notes you fill necessary. The report should contain:
    - identification of the Group and its members;
    - Identification of the project being solved;
    - ERD (Task 1);
    - MR (Task 2);
    - any observation you fill necessary for a better understanding of the report (optional).
    - some queries (Task 4).
  - The implementation must be on the server **rena4** (Task 3).
  - You should send, by email, a file (archive ZIP) with the database (the output of a `mysqldump` command), and the report in the PDF format.

Beginning: 3/10/2016; Deliver deadline: 31/10/2016; classification: 2 (in 20).