

# MATH-H-405: Instructions for the project

The project must be done by group of two students (at most). It will weight for 40% of the final mark. The project will be evaluated on 20 points split as follows:

- Originality: 4 points
- Modeling : 6 points
- Analysis : 7 points
- Presentation of the report: 3 points

It is strongly advised to discuss about the choice of your subject with Jean-Philippe Hubinont or Yves De Smet before starting the analysis. For this project, you have to use the software D-Sight Web which is available here: <http://web.d-sight.com/en/login>

The report (**in English, even for the ULB's students!**) has to be delivered no later than June 1, 2018 (16h). It should not exceed 20 pages and you are asked to send by e-mail a **PDF version** to Jean-Philippe Hubinont (jhubinon@ulb.ac.be).

## Aim of the project

The aim of the project is to analyse a multicriteria decision problem by using D-SIGHT. You are free to choose your topic (please be creative). The idea is to illustrate the fact that you understand the main steps of a multicriteria decision process (selection and justification of the alternatives, criteria, parameters, robustness and sensitivity analysis, etc.).

## Example of previous projects

Example of interesting/original topics submitted previously (the originality also depends on the analysis)

- Energy sources
- Selection of a conference speaker
- Protection of electrical grid against outbreak
- Risk assessment for nuclear plant
- Outsourcing a project in low wage countries

Example of potentially non-original topics:

- Buying a phone
- Buying a car
- Buying a computer
- A city to live in
- A city to travel to