
Libre Software Methods for E-Education

EDUKALIBRE

Scheduled Activities
at
2nd project meeting
Porto, 09th – 10th July 2004

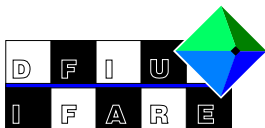
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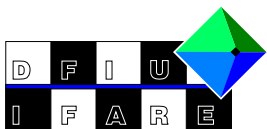


Discussion of a location planning problem and a technique assessment in board meetings of fictitious companies

Scheduled Activities (Winter Semester 2004 / 2005: Edukalibre Test Phase)

- 06. July 2004: Registration of the participants for the seminars (14 students)
- 22. July 2004: First Meeting with the participants. Presentation of the scenario for the business game and the concept of the Edukalibre platform
- 27. October 2004: Second meeting. Beginning of the student work. The Edukalibre platform will be used as support to the seminar.
- The platform will be tested beforehand by DFIU between July and October.
- 09. December 2004 and 20. January 2005 board meetings of the fictitious companies. In the course of the winter term continuous use of the Edukalibre Platform.
- After the board meeting (end of January 2005): Assessment of the Edukalibre Platform by the different users (students and teachers)

- **Aim of the Business Games** is the Evaluation of the given Problem with Operations Research Applications within a Group
- Further **enhancement of OpenOffice.org tools** and the convertibility into DocBook format. The Aim is to provide the Students with an OpenOffice.org tool for multi-criteria decision support.



Group work in Corporate Strategic Planning Simulations (Business Games) in the Winter Term 2004 / 2005

Concept of the Planning Simulations and Development of Questionnaire

■ Location Planning

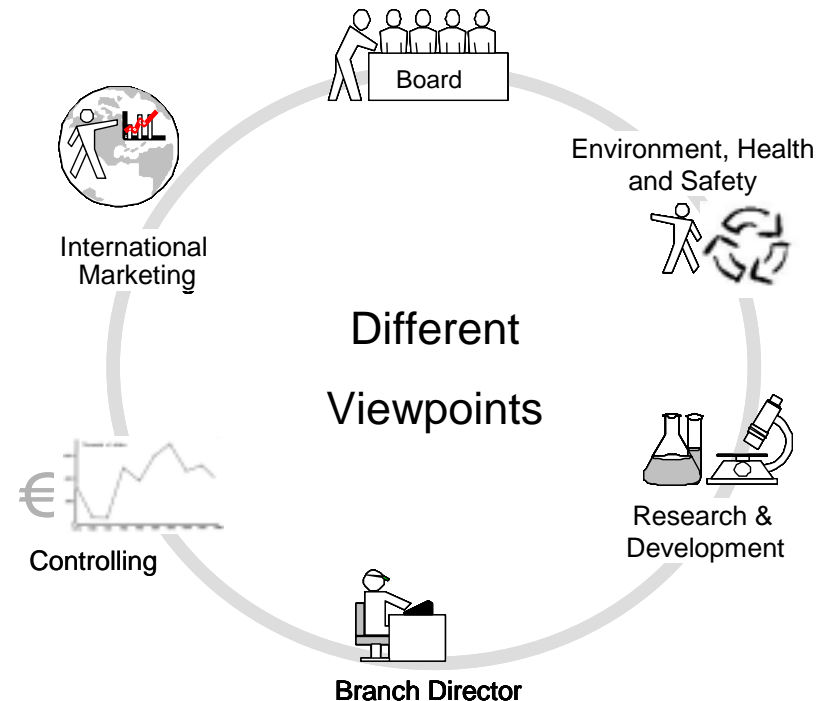
The groups should analyse and present the different key points of the company units (logistic, controlling, environment...) by means of a comprehensive analysis of the production chain in order to choose the location of the future production site of the considered company.

■ Technique Assessment

On the basis of the new location, the new plant has to be designed and planned using an integrated technique assessment (considering all the important issues for production, environment, controlling). This assessment will have to consider economic issues, life-cycle assessment (Umberto-software), etc...

■ Questionnaire: Use of Software Support

Students and Teachers will evaluate the Edukalibre Platform and the other used software based on a questionnaire (Simulation Performance; Software Support; Evaluation Possibilities; Analysis Capability)



Location Planning and Integrated Technique Assessment for a Paper Producing Company and an Office Furniture Producer

Themes of the Strategic Planning Simulation of the Winter Term 2004 / 2005

■ Koskinkorva Oy, a Finnish paper producer

× Location Planning

- pulp from Finland AND production in Finland; pulp from Finland AND production abroad
- transport costs of pulp vs. transport costs of paper
- production costs / investments
- geographical distribution of demand

× Planning production site

- kraft (sulphate) pulping process; sulphite pulping process; mechanical pulping and chemi-mechanical pulping; recovered paper processing
- techniques to consider in the determination of "Best Available Techniques" (BAT)
- emerging technologies



■ Genepi S.r.l., an Italian office furniture producer

× Location planning

- Expecting new environmental legislation (enforced EU-Solvent-Directive by 2010)
- transport costs and import taxes
- production costs / investments
- geographical distribution of demand (Europe vs. Asia vs. North- or South- America)

× Planning production site

- plastics office furniture or metal office furniture: manual coating vs. robot coating vs. electrostatic spraying etc.
- powder coatings, waterbased coatings, solventbased coatings, high solids coatings etc.
- operating costs, cleaning cost, reporting and monitoring costs, social costs etc.

