
Libre Software Methods for E-Education

EDUKALIBRE

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

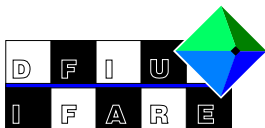
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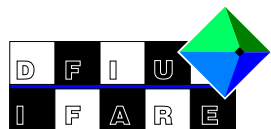
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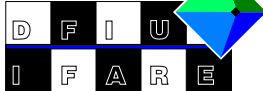
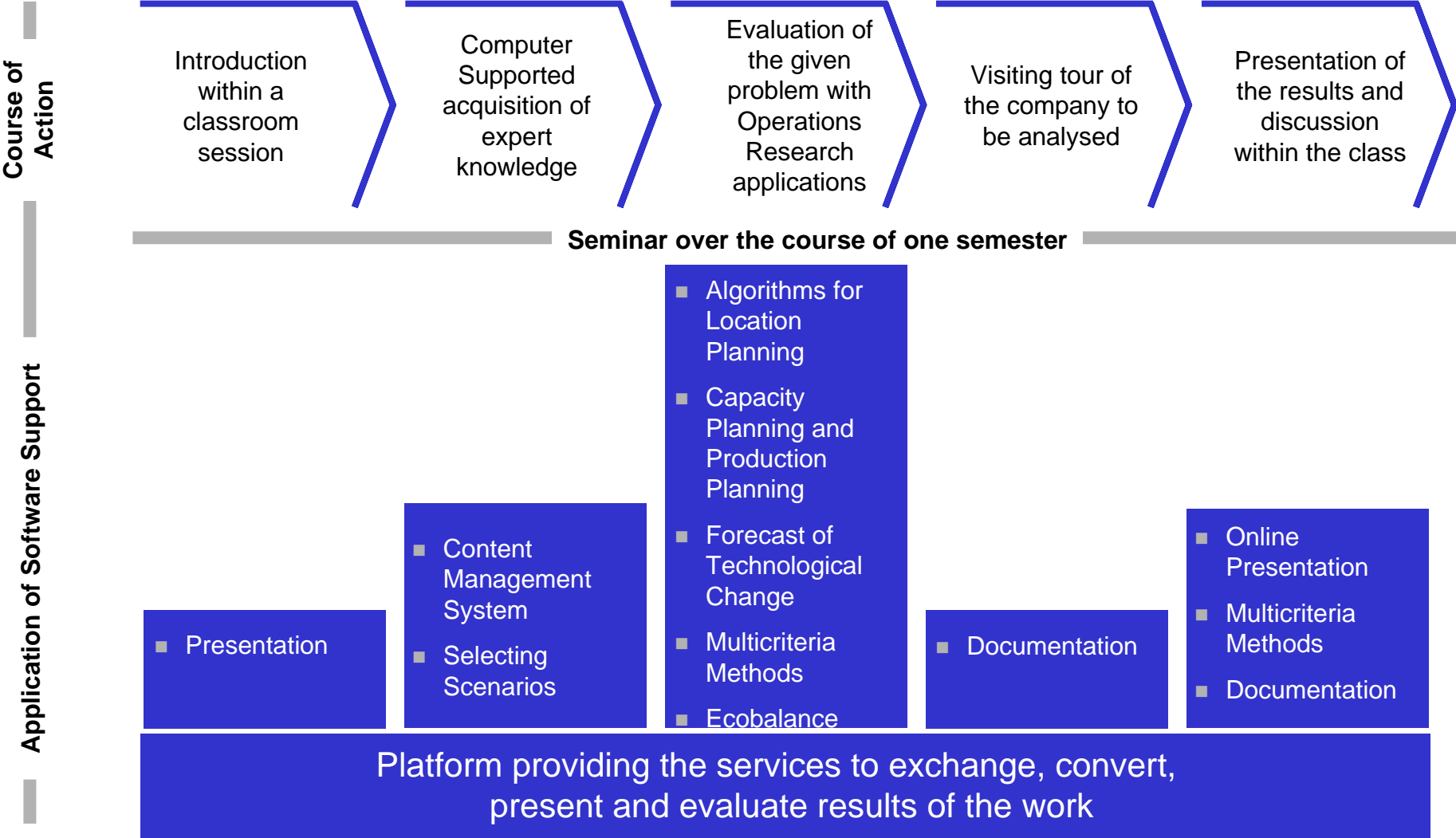
Activities of the Institute for Industrial Production between October 2003 and June 2004

The Institute for Industrial Production develops corporate strategic planning simulation as a new teaching method, complementarily of traditional lectures and exercises for the course “Material and Energy Flows in the Economy” and “Industrial Production”. During the reporting period, the Institute executed the following tasks:

- Participation in the definition of the functional requirements of the future Edukalibre platform. For example, the Edukalibre system should at least provide group based discussions, a tutor moderation of the discussion groups, a private messaging between users and a document access for downloading, discussing, printing, reading and editing.
- Development of the concept of using open-source software in business games.
- Development of computer tools for e-learning to be used within Edukalibre (NB: difficulties in transposing Excel macros into Ooo; this task will continue during the whole project)
- Preparation of the seminars to be held in the next semester and for which the Edukalibre platform should be used (testing phase)



Complex Scenarios in Academic Education and Professional Training demands a Software Supported E-Learning Environment



Corporate Strategic Planning Simulations are Suitable for Improving Learning for Operations Research Applications

Reasons for Business Games

■ Business Planning Simulations are suitable for complex decision situations

- Implicit learning due to the complexity and difficulty of identifying rules for decision making
- Ideal for enhancing one's ability to recognise relevant problems and the subsequent spectrum of solution procedures
- Creation of a dynamic environment, resulting in a larger variety of solutions

■ Broad variety of different approaches for different audiences

- Academic education
- Stock exchange simulation games
- Military manoeuvres
- Political decision making
- Vocational training
- Business training
- Assessment centre

training of individual knowledge



furthering professional and social skills



audit of management potential

■ Using new media technology and the Internet to enhance e-learning methods

- Teaching of industrial engineering requires precise numeric calculation of technical and financial data and consensus-oriented balancing of reasons within discussion and negotiation
- Access to information, software and the most advanced knowledge is very important. In this context open source means the explicit permission of modification and redistribution and hence adaptation to specific case studies of corporate simulation reflecting the regional setting