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# Libre Software Methods for E-Education

## **EDUKALIBRE**

**5<sup>th</sup> project meeting**  
**Madrid, 1 December 2005**

### **Activities of DFIU**

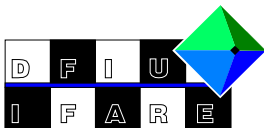
Dr. Jutta Geldermann, Jens Ludwig, Martin Treitz, Valentin Bertsch, Prof. Dr. Otto Rentz

Institute for Industrial Production

French-German Institute for Environmental Research (DFIU)

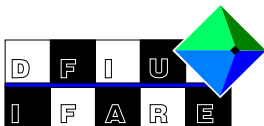
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# New Activities of the Institute for Industrial Production between July 2005 and December 2005

- Conducting the Business Game “Dynamic Capacity Planning” using the Leeds-Moodle
  - × 11 July and 28 October 2005: Meetings with the students.  
Since October till February 2006: continuous use of the platform
  - × Seminar designed for much interaction over the platform by demanding the upload of intermediate results and download of new data
  - × Integration of the final version of the Edukalibre tools as soon as they are ready



# Business Game “Dynamic Capacity Planning” on the platform

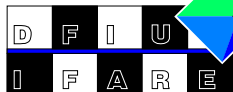
The screenshot shows a Mozilla Firefox browser window displaying a course page. The address bar shows the URL: <http://edukalibre.comp.leeds.ac.uk/groupware/course/view.php?id=18>. The page title is "Kurs: Unternehmensplanspiel Dynamische Produktionsplanung - Mozilla Firefox".

The main content area is titled "Unternehmensplanspiel Dynamische Produktionsplanung" and includes a sub-header "groupware » DFIU\_WS05". A "Jetzt bearbeiten" button is visible in the top right corner of the content area.

The page is divided into several sections:

- Aktivitäten:** Includes links for "Arbeitsmaterialien" and "Foren".
- Suche:** A search box with a "in Foren" button below it.
- Personen:** Includes links for "Teilnehmer/innen", "Gruppen", and "Profil bearbeiten".
- Administration:** Includes links for "Jetzt bearbeiten", "Einstellungen...", "Betreuer...", "Teilnehmer...", "Sicherheit...", "Wiederherstellung...", "Bewertungskalen...", "Punkte...", "Statistiken...", "Dateien...", "Hilfe...", and "Trainer/Innen-Forum".
- Themen dieses Kurses:** The main content area, featuring a section titled "Unternehmensplanspiel Umweltmanagement - Dynamische Produktionsplanung bei mehrfacher Zielsetzung". The text describes a business game involving fictional companies like *Santiago Bikes*, *Beijing Automotive*, *Redes portefios S.A.*, and *Uvas destiladas S.A.* planning production under various constraints. Below this, a section titled "1 Organisatorisches" provides information about seminar presentations and a discussion on 28.10.2005. Links for "Handout der Vorbesprechung" and "Folien der zweiten Seminarbesprechung" are provided.
- Onlinenutzer:** Shows the user "Jens Ludwig" is logged in, with a "Dauer 5 in Minuten" indicator.
- Neueste Nachrichten:** A list of recent messages with dates and times, such as "22 Nov, 15:12 - Jens Ludwig Literatursuche etc. mehr...".
- Neueste Aktivitäten:** Shows activity for "Thursday, 24 November 2005, 08:33" with a note "Nichts Neues seit Ihrem letzten Besuch".
- Bevorstehende Termine:** Lists an upcoming deadline: "2. Abgabe" on "Wednesday, 14 December (00:00)".

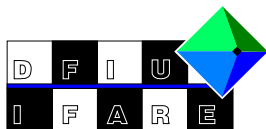
The browser's status bar at the bottom left shows the word "Fertig".



# Business Game “Dynamic Capacity Planning”

## Goal of the Seminar of the Winter Term 2005 / 2006

- Long term capacity planning consists of defining a company's goals, making predictions about external influences (demand) and choosing a strategy for capacity expansion and the range of production. In our business game the students have to find suited planning methods for companies of a very dynamic economy (Chile).
- Teams consisting of three students each have to analyse data of an existing company and shall plan the capacity expansions for the next years using appropriate mathematical methods.
- An evaluation of the different capacity expansion strategies has to be done taking into account several criteria.
- They have to adapt their planning when new data is communicated using the platform at the end of each period.
- Up to now, the Leeds-Moodle is used for distributing information and the upload of the students' papers



## Plans up to February 2006

- Hopefully integration of the final version of the tools in the course
- Evaluation of the final version
- Writing of reports about the courses and the evaluations
- Questions:
  - × Will the Leeds-installation run until February 2006?
  - × Will there be an easy-to-install-version for continued use?

