Aspects of eLearning

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Outline

- Educational Theory
 - Educational Technology
 - Theory & Technology
 - E-Learning Standards



Proposition I

(Inglehart 1997)

The predominant educational assumptions of a society are not invented freely but reflect the predominant cultural values of this society.

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Proposition II

(Baumgartner/Payr 1999)

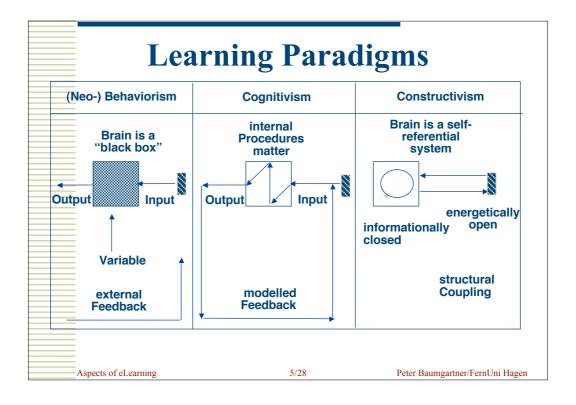
Every piece of Educational Software, Authoring Tool or Learning Management System (LMS) implements a certain kind of learning theory.

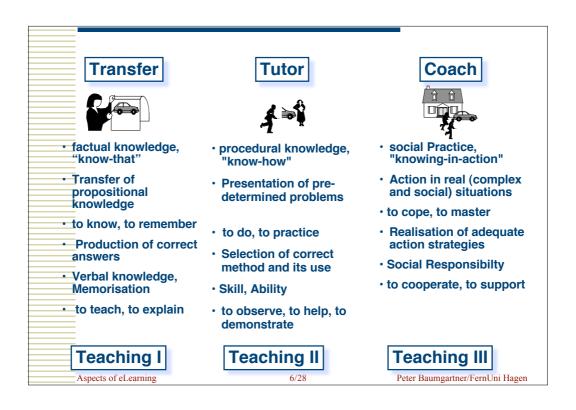
Every function of the software has underlying (tacit) pedagogical assumptions.

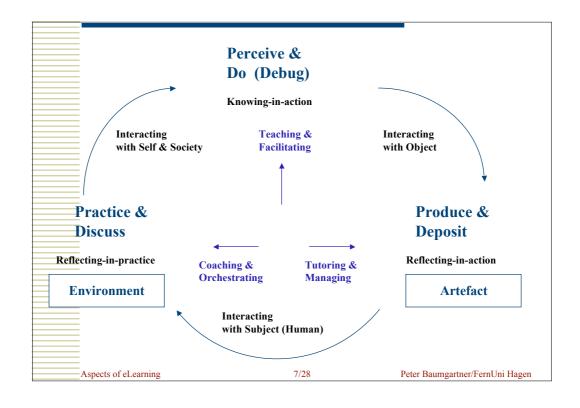
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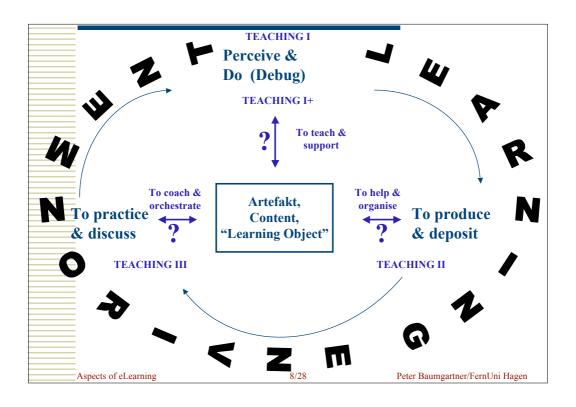
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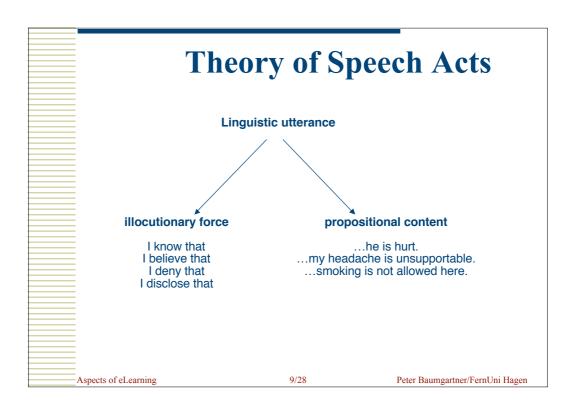
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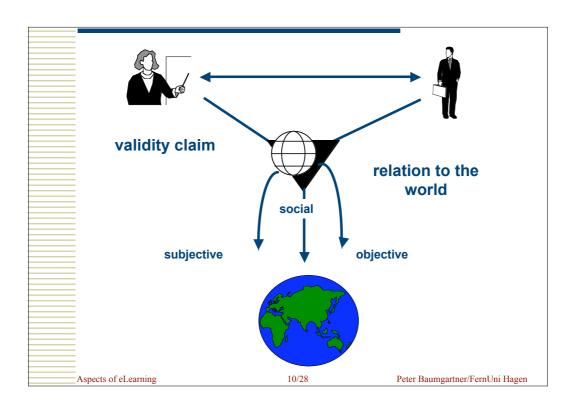


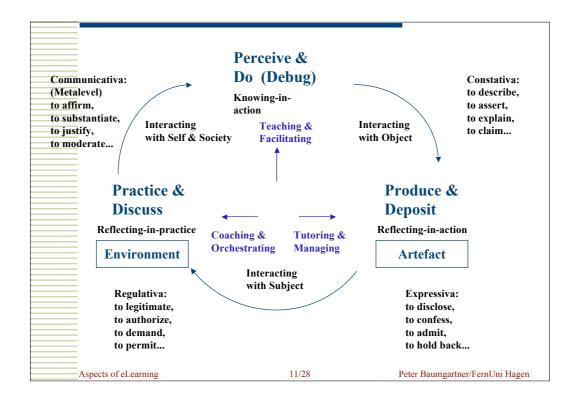


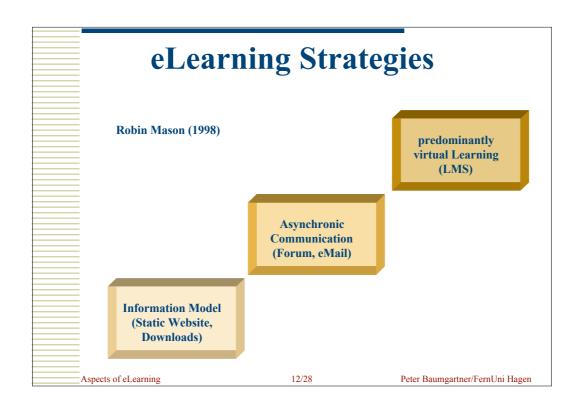


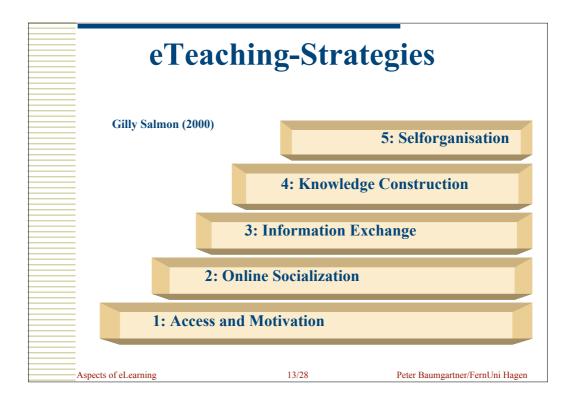


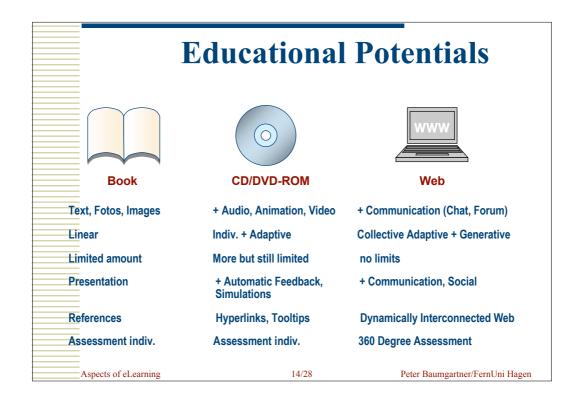












What are VLEes?

- Web-based: Browser = central tool
 - •≠ locally installed educational software
 - •≠ CD-ROM
 - •≠ Distance Education
- A³ = Anytime, Anywhere, Anybody
- "Flexible Learning", (competence based, student centered)
- Selforganised, supported and directed learning
- Face-to-interface and face-to-face ("blended learning")

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What are LMSes? (1): Functions Presentation Communiof cation-**Content Tools** Learning Management **Systems** (LMSs) **Tools for** Admini-Praticing and stration **Exercises Evaluation Tools** 16/28 Aspects of eLearning Peter Baumgartner/FernUni Hagen

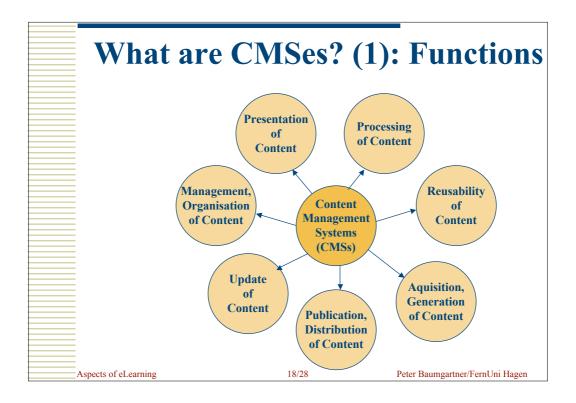
What are LMSes? (2): Definition

A Learning Management System (LSM) is a tool for the organization and the coaching process of webbased learning

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What are CMSes? (2): Principles

- Content separated from the form of the presentation
 - (via templates, stylesheets)
- Management of content components
 - (via metadata and database)
- Workflow Management
 - (via hierarchical and/or participative role concept: e.g. Managing Editor, Content Editor, Design Editor, Associate Editor, Member, Guest etc. buzz word: Webcommunity)

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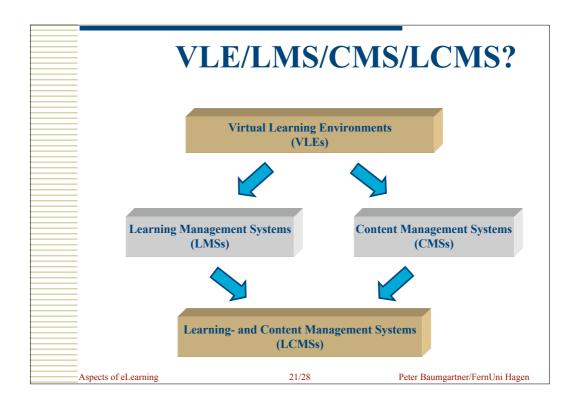
What are CMSs? (3): Types

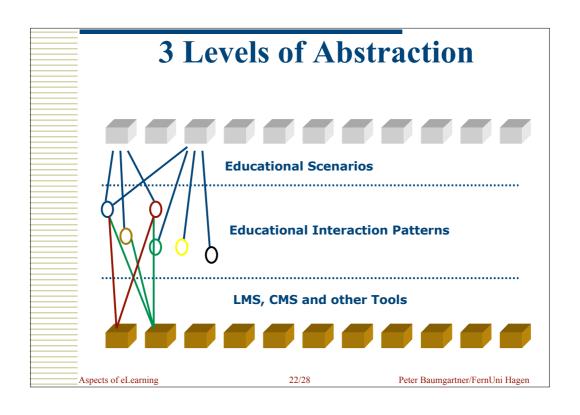
- 1. Production systems (P-CMS): Traditional form of CMS
- 2. Groupware, Collaborative Systems (C-CMS):
 Asynchronic Communication and Interaction of members of a working (or learning) group
- 3. Portal, Community-Content-Collaboration Systems (C3MS): Communitybuilding
- **4. Weblogs, Discussion oriented (D-CMS):** Micro-Content, Syndication/RSS-Feed, Trackback.
- 5. Wiki, Editing oriented (E-CMS): Everybody has the same full rights. Participative generation of content.

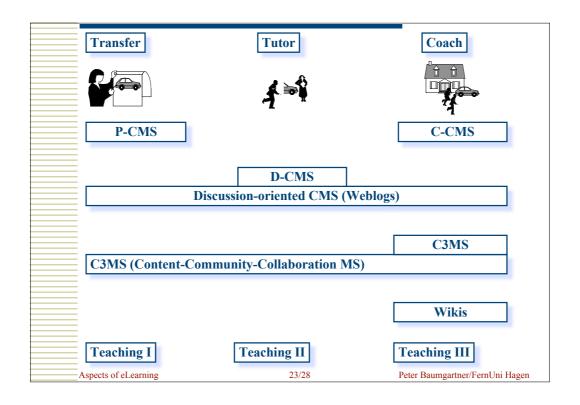
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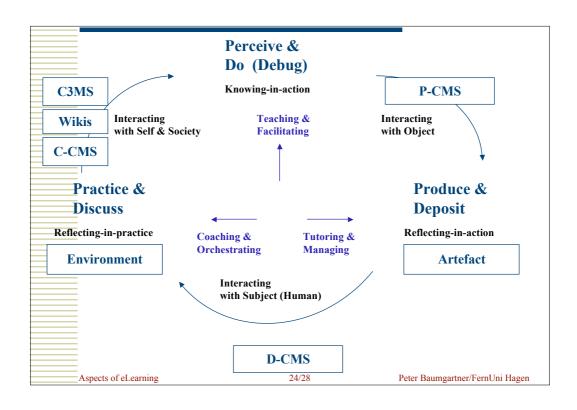
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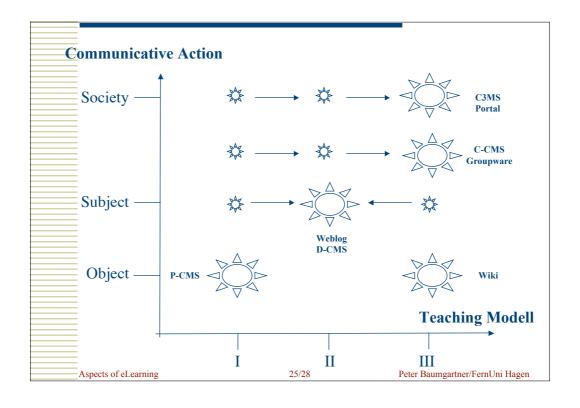
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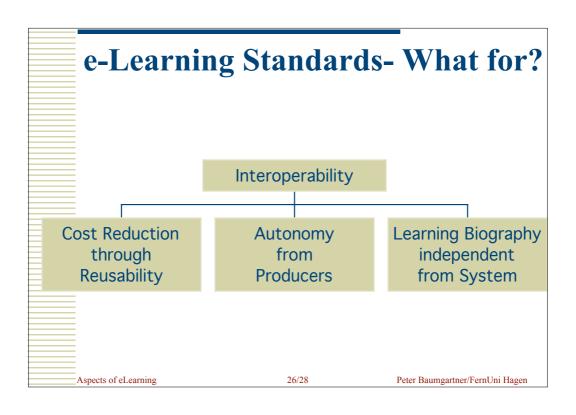












Goals of Standards

- Interoperability
 - Does the system work with other systems?
- Re-usability
 - Is content in other context reusable? (Learning Object)
- Manageability
 - Are there transferable notes on learning behaviour and content?
- Accessibility
 - Are learners able to access content when ever they need it?
- Durability
 - Does the learning environment still operate, even if technology has changed?

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Thank you for your attention!

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