Hybrid Learning – Bridging Tradition and Technology

Dr. Annette Mollet

Programme Director

ECPM – European Center of Pharmaceutical Medicine

ECPM®
European Center of Pharmaceutical Medicine

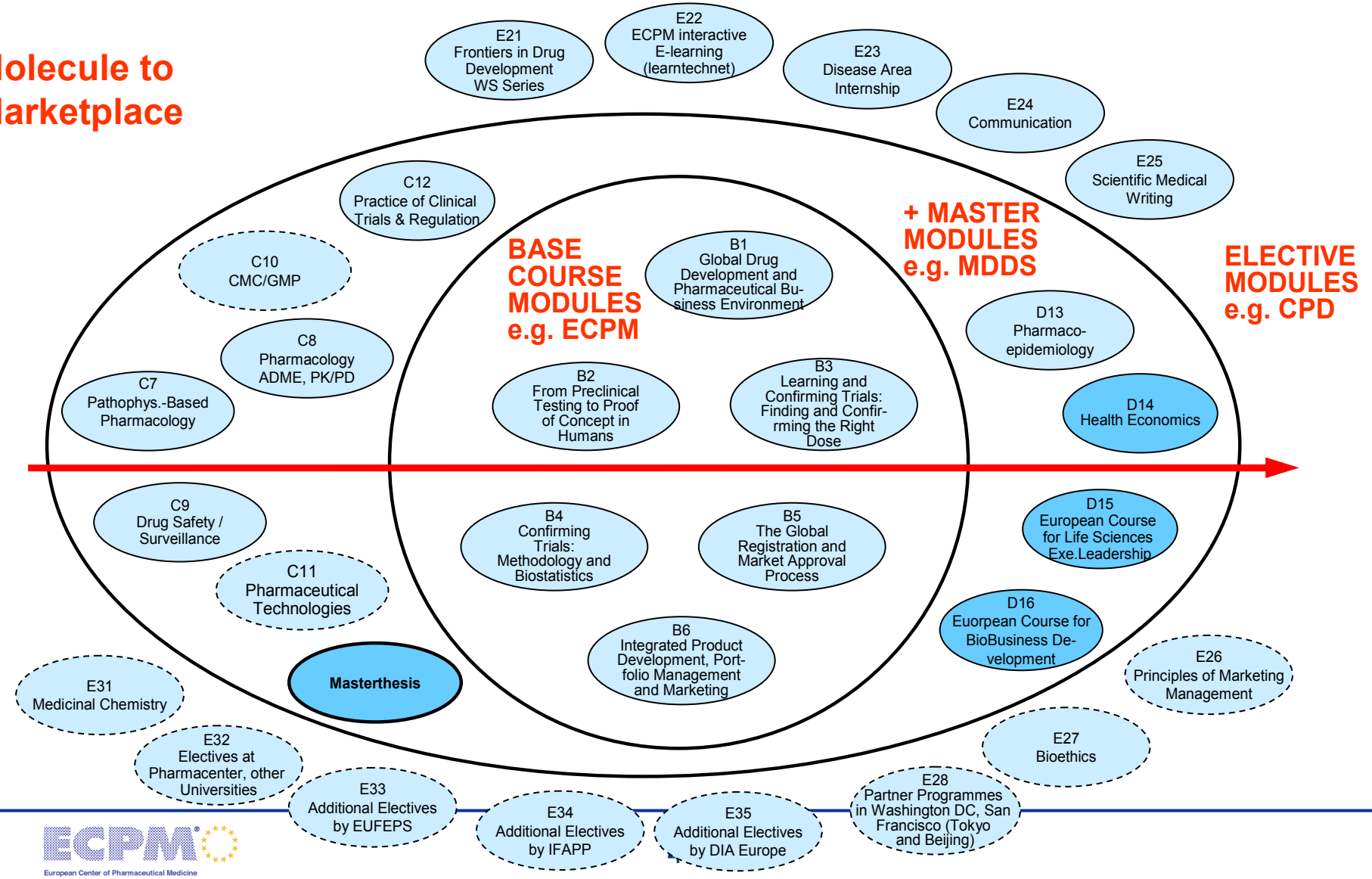
The ECPM Course

- Postgraduate Educational Programme in Pharmaceutical Medicine
- Established in 1991
- In a partnership between Universities, pharma & biotech industries and regulatory authorities
- Since 2008 part of a training platform offering a Master of Advanced Studies in Drug Development Sciences MDDS
- Since 2008 partner in the EFCPM (European Federation of Courses in Pharm. Medicine) Consortium of IMI (Innovative Medicines Initiative EU & EFPIA) project

Base Course

- 24 teaching days, 6 modules incl. preparational work
- International Teaching Faculty comprising 130 experts
- Eligibility Criteria: University Degreee, i.e. MDs, PhDs such as Pharmacists, Biologists, Chemists, Statisticians, Medical Writers a.o.
- Participants: Representing 26 different countries of orgin, 90% European, including Switzerland, USA, China, Japan, Australia
- Over 1‘100 participants in 17 years
- Title: Postgraduate University diploma
- 30 ECTS points
- Basis to apply for a specialist title or to continue training for postgraduate master title

Master of Advanced Studies (MAS) in Drug Development Sciences, MDDS



ECPM Base Course Modules

- B1: Global Drug Development and Pharmaceutical Business Environment
- B2: From Preclinical Testing to Proof of Concept in Humans
- B3: Learning and Confirming Trials: Finding and Confirming the Right Dose
- B4: Confirming Trials: Methodology and Biostatistics
- B5: Global Registration and Approval Process
- B6: Integrated Product Development, Portfolio Management and Marketing

MDDS Master Modules

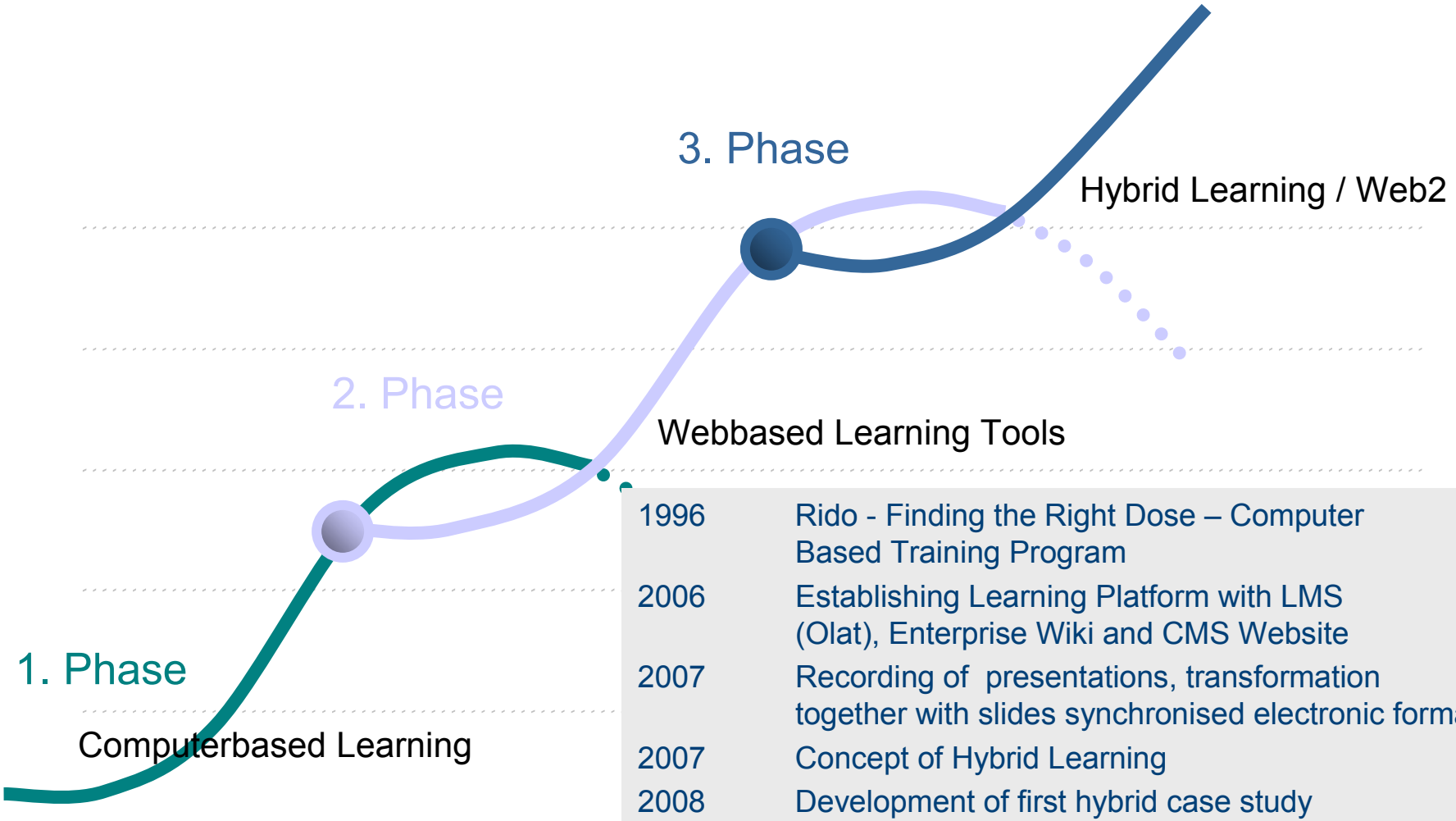
- C7: Pathophysiology-Based Pharmacology
- C8: Preclinical Drug Development: Focus on ADME and Safety, PK/PD, Simulation and Modelling
- C9: Drug Safety and Pharmacovigilance
- C10: Quality Assurance and Quality Management
- C11: Pharmaceutical Technologies and Production
- C12: Practice of Clinical Trials and Regulations
- C13: Pharmacoepidemiology (co-org. with DIA Europe)
- C14: Health Economics
- C15: European Course for Life Sciences Executives
- C16: Ethical Issues in Biomedical Research

Hybrid Learning

Combination of
on site learning and e-learning elements

- Support of face to face teaching
- Focussing the on-site events
- Self study and preparation of course material
- Better availability of teachers and participants
- Group work between the course modules

ECPM Learning History



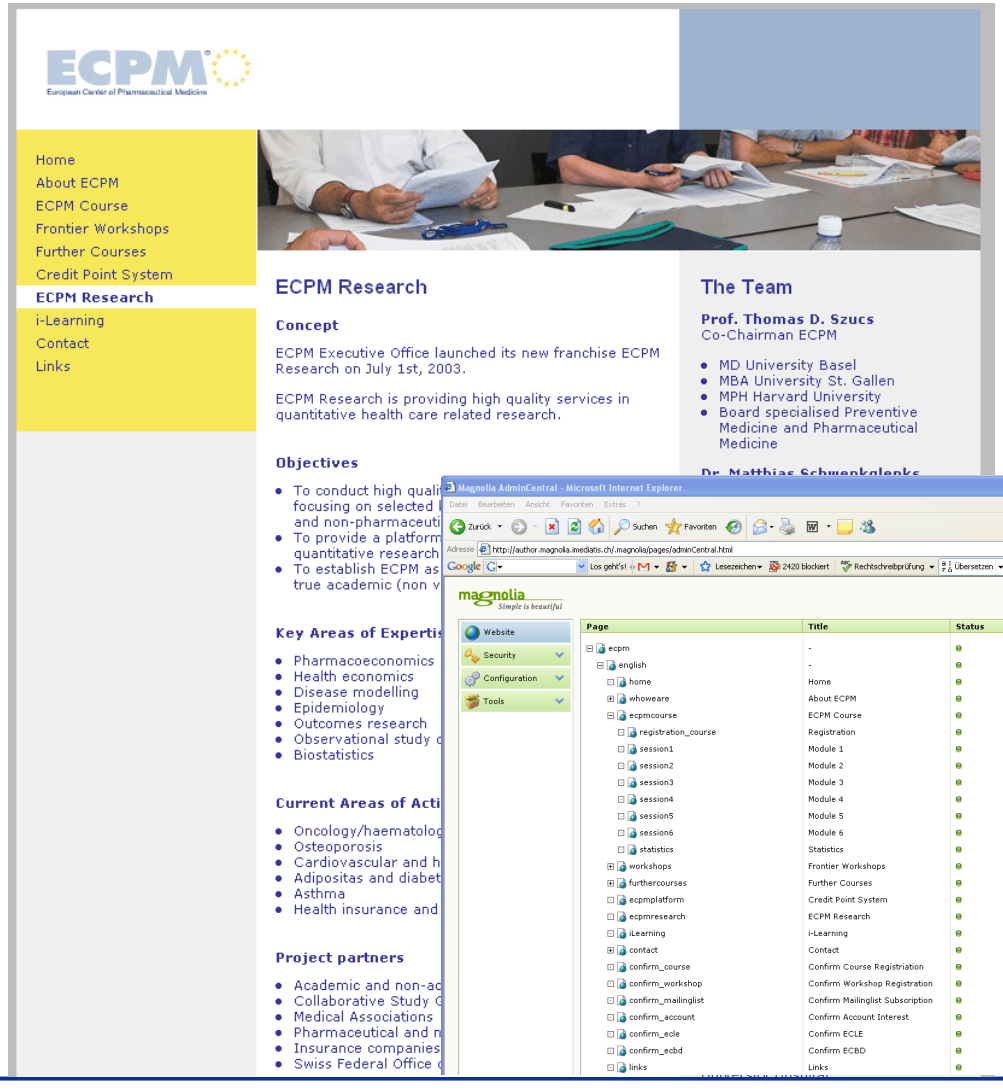
1996	Rido - Finding the Right Dose – Computer Based Training Program
2006	Establishing Learning Platform with LMS (Olat), Enterprise Wiki and CMS Website
2007	Recording of presentations, transformation together with slides synchronised electronic form
2007	Concept of Hybrid Learning
2008	Development of first hybrid case study
2009	Establishing hybrid seminaires and modules

ECPM eLearning: First step

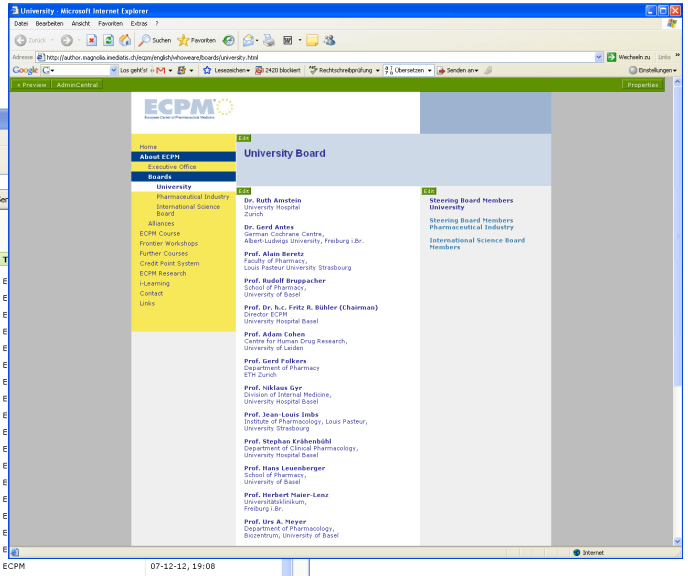
Website & interactive System (OLAT)

- Download Presentations
- Material for case studies
- Self assessment tests
- MCQ-tests
- Movies of selected presentations
- Glossary

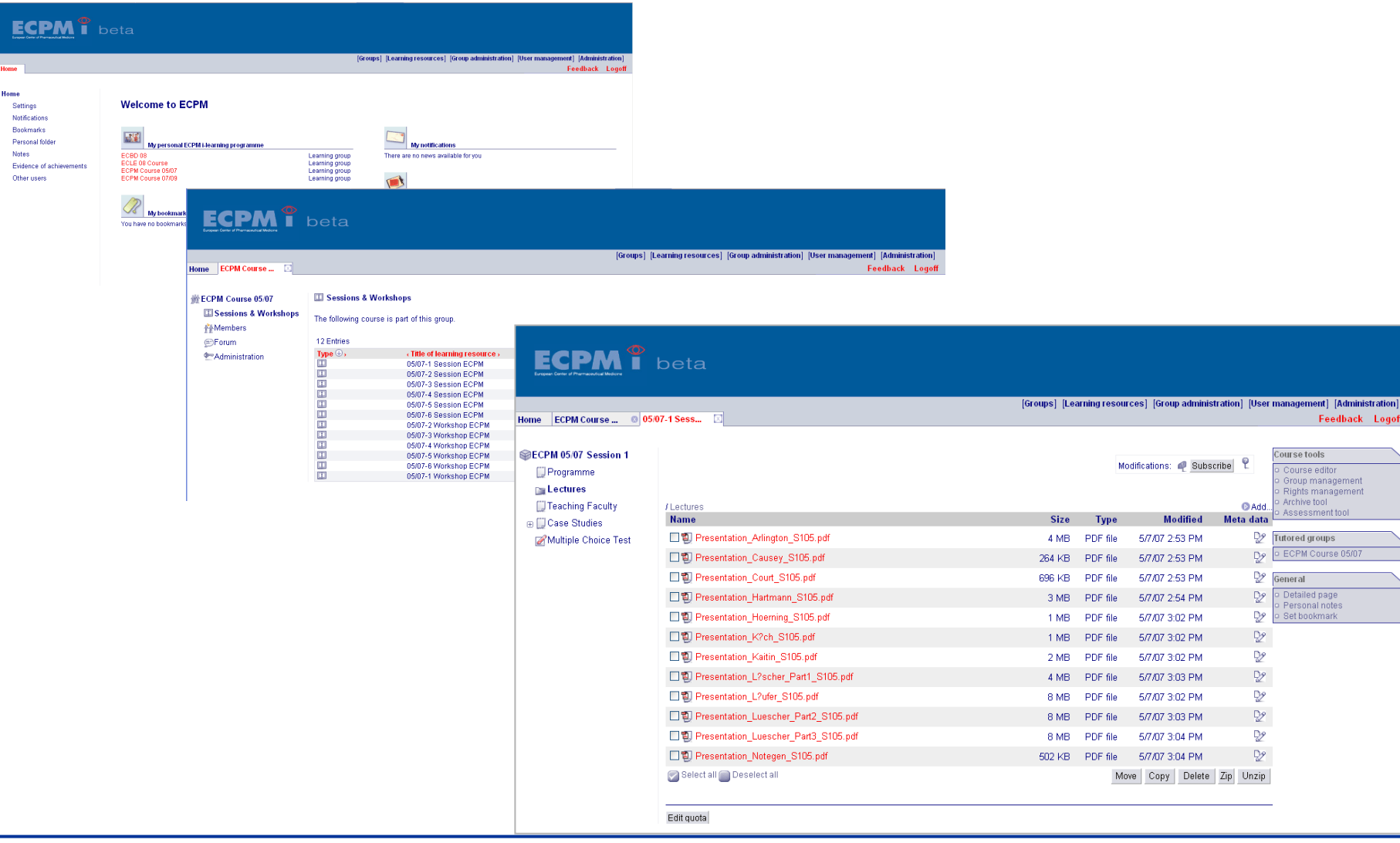
Website / CMS


ECPM
European Center of Pharmaceutical Medicine
Home
About ECPM
ECPM Course
Frontier Workshops
Further Courses
Credit Point System
ECPM Research
i-Learning
Contact
Links
ECPM Research
Concept
ECPM Executive Office launched its new franchise ECPM Research on July 1st, 2003.
ECPM Research is providing high quality services in quantitative health care related research.
Objectives
Key Areas of Expertis
Pharmacoeconomics
Health economics
Disease modelling
Epidemiology
Outcomes research
Biostatistics
Current Areas of Acti
Oncology/haematolog
Osteoporosis
Cardiovascular and h
Adipositas and diabet
Asthma
Health insurance and
Project partners
Academic and non-ac
Collaborative Study
Medical Associations
Pharmaceutical and n
Insurance companies
Swiss Federal Office
The Team
Prof. Thomas D. Szucs
Co-Chairman ECPM
MD University Basel
MBA University St. Gallen
MPH Harvard University
Board specialised Preventive Medicine and Pharmaceutical Medicine

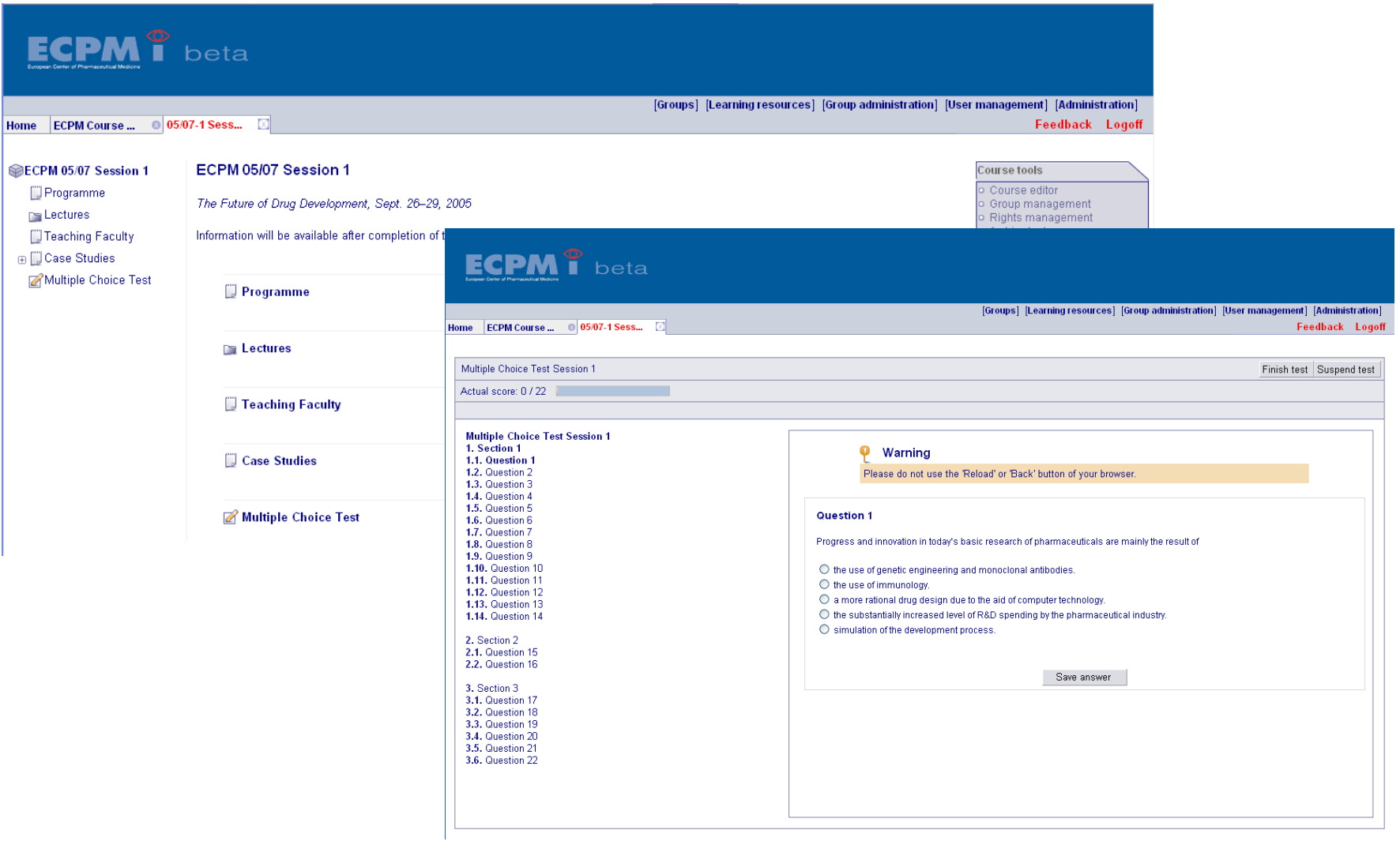
Magnolia AdminCentral - Microsoft Internet Explorer
magnolia
Simple is beautiful
Website
Security
Configuration
Tools
Page
Title
Status


University - Microsoft Internet Explorer
ECPM
University Board

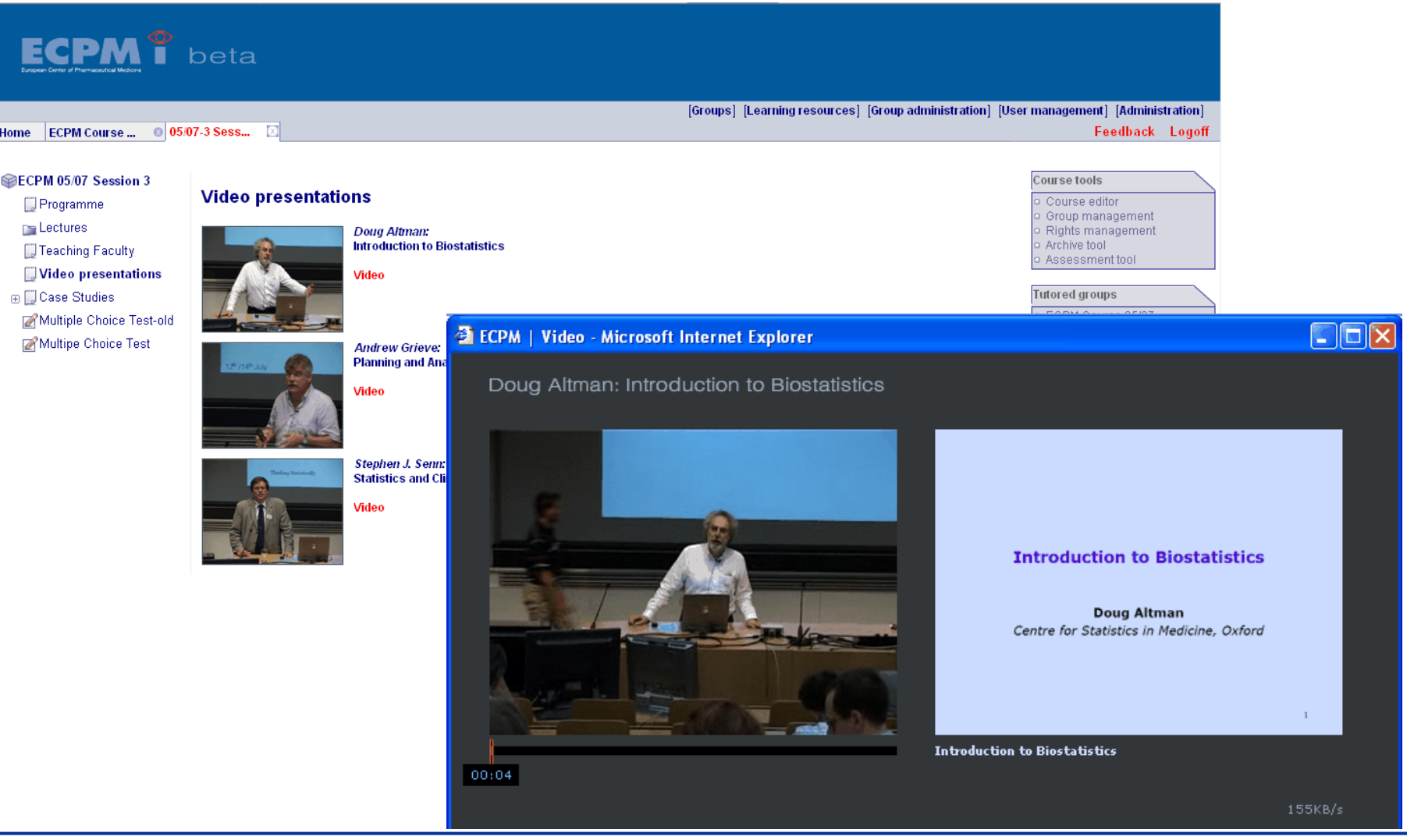
Download presentations



MCQ-tests


ECPM beta
European Center of Pharmaceutical Medicine
[Groups] [Learning resources] [Group administration] [User management] [Administration]
Home
ECPM Course ...
05/07-1 Sess...
Feedback Logoff
ECPM 05/07 Session 1
Programme
Lectures
Teaching Faculty
Case Studies
Multiple Choice Test
ECPM 05/07 Session 1
The Future of Drug Development, Sept. 26–29, 2005
Information will be available after completion of t
Course tools
Course editor
Group management
Rights management
Programme
Lectures
Teaching Faculty
Case Studies
Multiple Choice Test
ECPM beta
European Center of Pharmaceutical Medicine
[Groups] [Learning resources] [Group administration] [User management] [Administration]
Home
ECPM Course ...
05/07-1 Sess...
Feedback Logoff
Multiple Choice Test Session 1
Finish test
Suspend test
Actual score: 0 / 22
Multiple Choice Test Session 1
1. Section 1
1.1. Question 1
1.2. Question 2
1.3. Question 3
1.4. Question 4
1.5. Question 5
1.6. Question 6
1.7. Question 7
1.8. Question 8
1.9. Question 9
1.10. Question 10
1.11. Question 11
1.12. Question 12
1.13. Question 13
1.14. Question 14
2. Section 2
2.1. Question 15
2.2. Question 16
3. Section 3
3.1. Question 17
3.2. Question 18
3.3. Question 19
3.4. Question 20
3.5. Question 21
3.6. Question 22
Warning
Please do not use the 'Reload' or 'Back' button of your browser.
Question 1
Progress and innovation in today's basic research of pharmaceuticals are mainly the result of
the use of genetic engineering and monoclonal antibodies.
the use of immunology.
a more rational drug design due to the aid of computer technology.
the substantially increased level of R&D spending by the pharmaceutical industry.
simulation of the development process.
Save answer

Movies


ECPM beta
European Center of Pharmaceutical Medicine
[Groups] [Learning resources] [Group administration] [User management] [Administration]
Home
ECPM Course ...
05/07-3 Sess...
Feedback Logoff
ECPM 05/07 Session 3
Programme
Lectures
Teaching Faculty
Video presentations
Case Studies
Multiple Choice Test-old
Multipe Choice Test
Video presentations
Doug Altman:
Introduction to Biostatistics
Video
Andrew Grieve:
Planning and Ana
Video
Stephen J. Senn:
Statistics and Cli
Video
Course tools
Course editor
Group management
Rights management
Archive tool
Assessment tool
Tutored groups
ECPM | Video - Microsoft Internet Explorer
Doug Altman: Introduction to Biostatistics
Introduction to Biostatistics
Doug Altman
Centre for Statistics in Medicine, Oxford
Introduction to Biostatistics
00:04
155KB/s

ECPM eLearning: Second Step

- ECPM Portal
- Courses and modules
- ECPM Enterprise Wiki / Web2
- Hybrid and Online-Workshops
- Hybrid and Online-Modules
- Webinars

Hybrid Learning Tools

On site events

- ECPM course
- Workshops
- Seminares
- Trainings
- Examinations

Virtual events

- Webinares
- Net-events
- Video-conferences

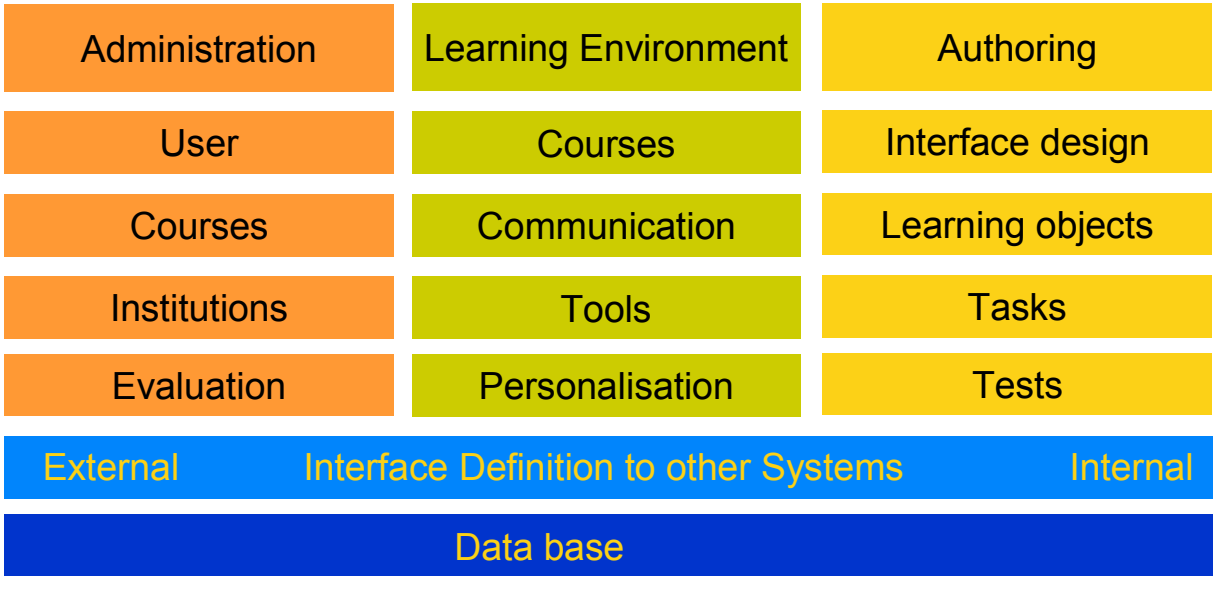
On demand

- Interactive content
- Presentations
- Recorded lectures
- Self assessment
- Quiz
- Tests
- Ebooks
- Podcasts
- ECPM Player

Self study

- Case studies
- Library
- Cinematheque
- ECPM Wiki
- Forum

Structure of ECPM eLearning



Functions

Function	Supported Activities	Admin	User
Authoring tools	Content generating, MCQ-tests, presentations	x	
Course administration	Content management, definition of filters and and schedules	x	
Participants administration	Application, forming working groups, invitation to workshops	x	
Roles and rights	Rights for tutors, participants, access to courses and content	x	
Communication functions	Synchronal functions (chats, audio, video-conferences, webinars), asynchronous functions (forum or email, posts)	(x)	X
Cooperation functions	Working groups, whiteboards, shared documents	(x)	x
Personalisation	Bookmarks, calender		X

Technology

- CMS and Database based on Java (Magnolia) and php (typo3)
- Image oriented navigation based on flash
- LMS Learning Management Systems in Java (OLAT) and php (Trainonline) with SCORM / SCORM2 interface
- Development tools for efficient e-learning modules and microsites with Powerpoint functions, based on xml standards
- Player to show presentations: real film and slide texts on one surface with search functions
- Enterprise WIKI Software for communication and cooperation functions
- Library in different formats up to podcasts
- On demand functions, glossary, libraries
- Server for Terabyte Traffic

Forecast

- EFCPM – European Federation of Courses in Pharmaceutical Medicine
- Comparable overview of courses
- Modular system of courses, that can be chosen at different Universities

Thank you for your attention!

www.ecpm.ch

www.efcpm.org

annette.mollet@unibas.ch