KATHOLIEKE UNIVERSITEIT
LEUVEN

Guided Independent Learning at K.U.Leuven: Implementation and support by ICT

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K.U.Leuven, AVNet
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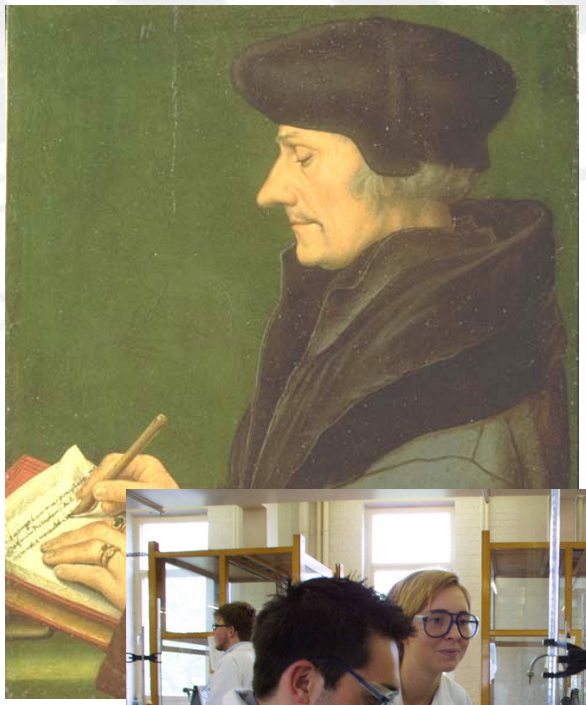
Listen carefully…
I will download this only once

Context: K.U.Leuven

- Founded in 1425
- > 30.000 students
  (± 12% international students)
- > 15.000 staff members
  (4500 researchers: 1250 sr + 3250 jr)
- 3 groups, 14 faculties, 50 departments
- 30 libraries
- 5 hospitals
- Association with 13 university colleges

Research and education @ K.U.Leuven



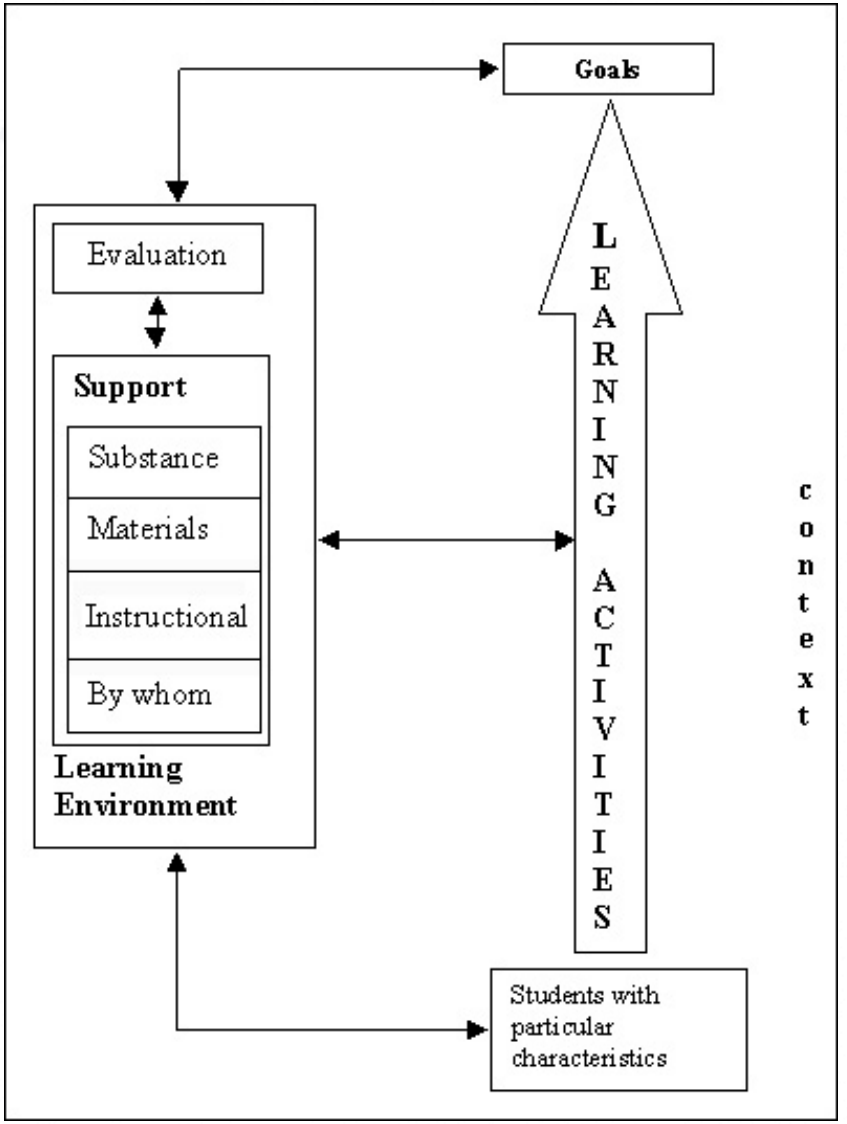
Pedagogical framework: GIL

- Learning is an active, constructive, cumulative, goal-oriented, self-regulated, contextualised, social process
- Students should acquire a critical scientific attitude and become actors in knowledge creation and sharing
- Graduates should be able to take up responsibility in society and articulate original viewpoints
- GUIDED INDEPENDENT LEARNING

Pedagogical framework: GIL (1)

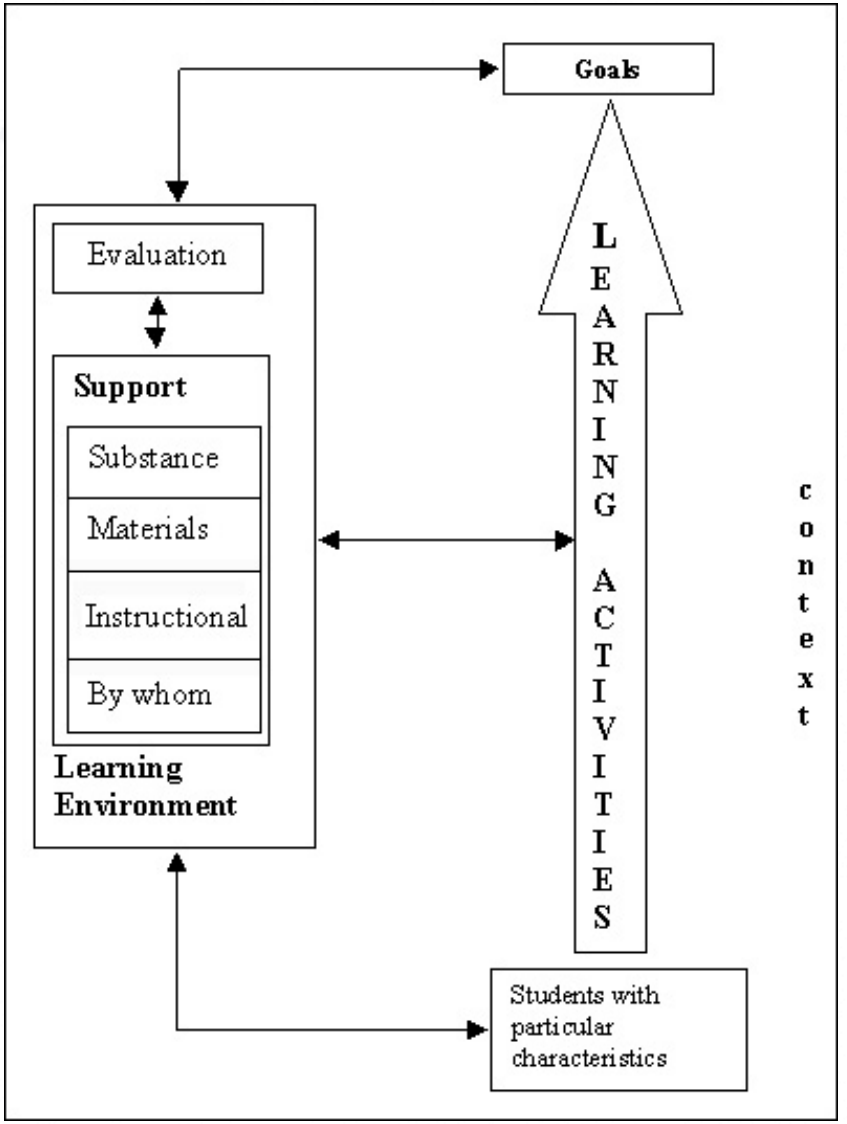
Students' responsibility:

The learning process



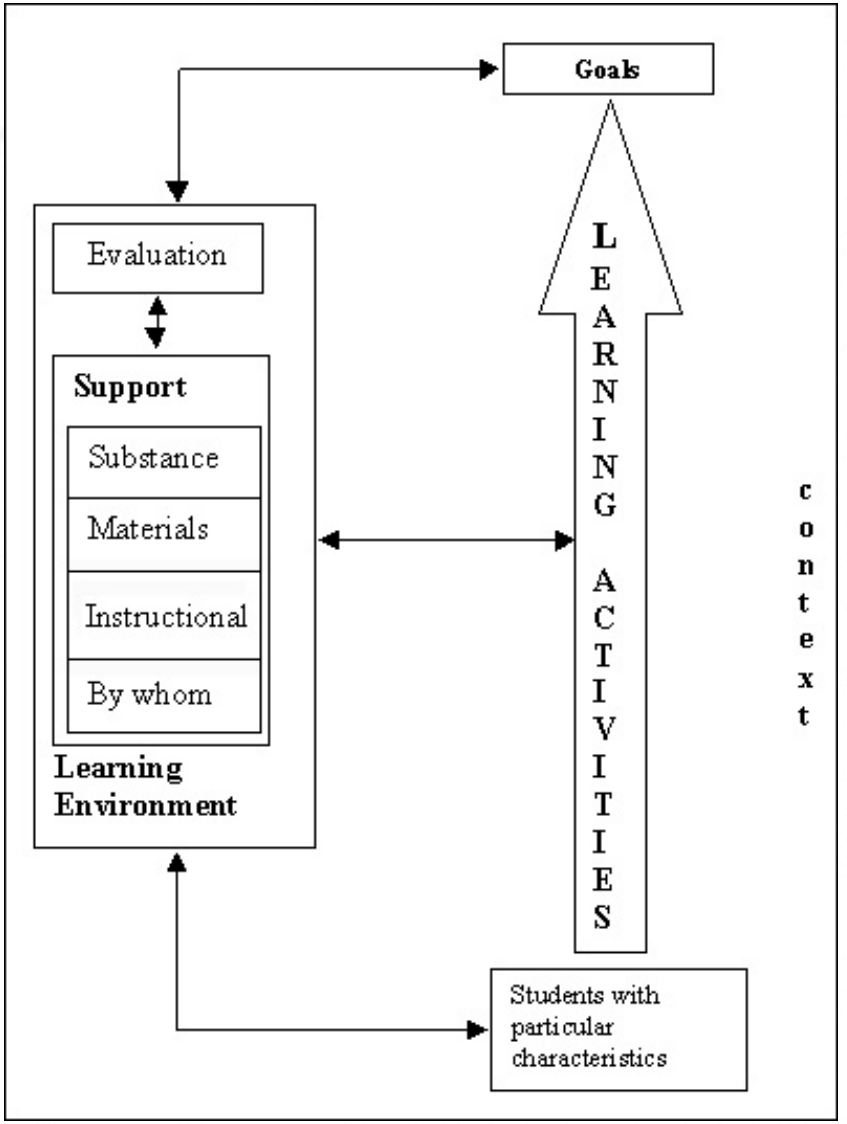
Pedagogical framework: GIL (2)

- Teachers' responsibility:
- Coaching the students' learning process



Pedagogical framework: GIL (3)

- Organisation's responsibility:
- Support students and teachers in the learning process



Toledo: digital learning environment

Logo

Alcatara-bridge in Toledo

Bridge between students and faculty

Acronym

Toetsen en **Le**ren **D**oeltreffend **O**ndersteunen
Effectively supporting Testing and Learning

Aim is

to implement and support (technically and pedagogically) a digital learning environment for all students and faculty at the K.U.Leuven

5 year Toledo > 2001

- Start Toledo!

- Implementation Blackboard

- Implementation Questionmark Perception

2001

5 year Toledo > 2002

- Start automisation
  - Subscription module
  - PUC (Perception Upload Client)
- Start Communities
- More curricula

2002

5 year Toledo > 2003

- Link with Campus Management System
- Blackboard 6
- Building blocks

2003

5 year Toledo > 2003 > Building blocks

2001
2002
2003

Admin

contents

comm

Archive

Structure

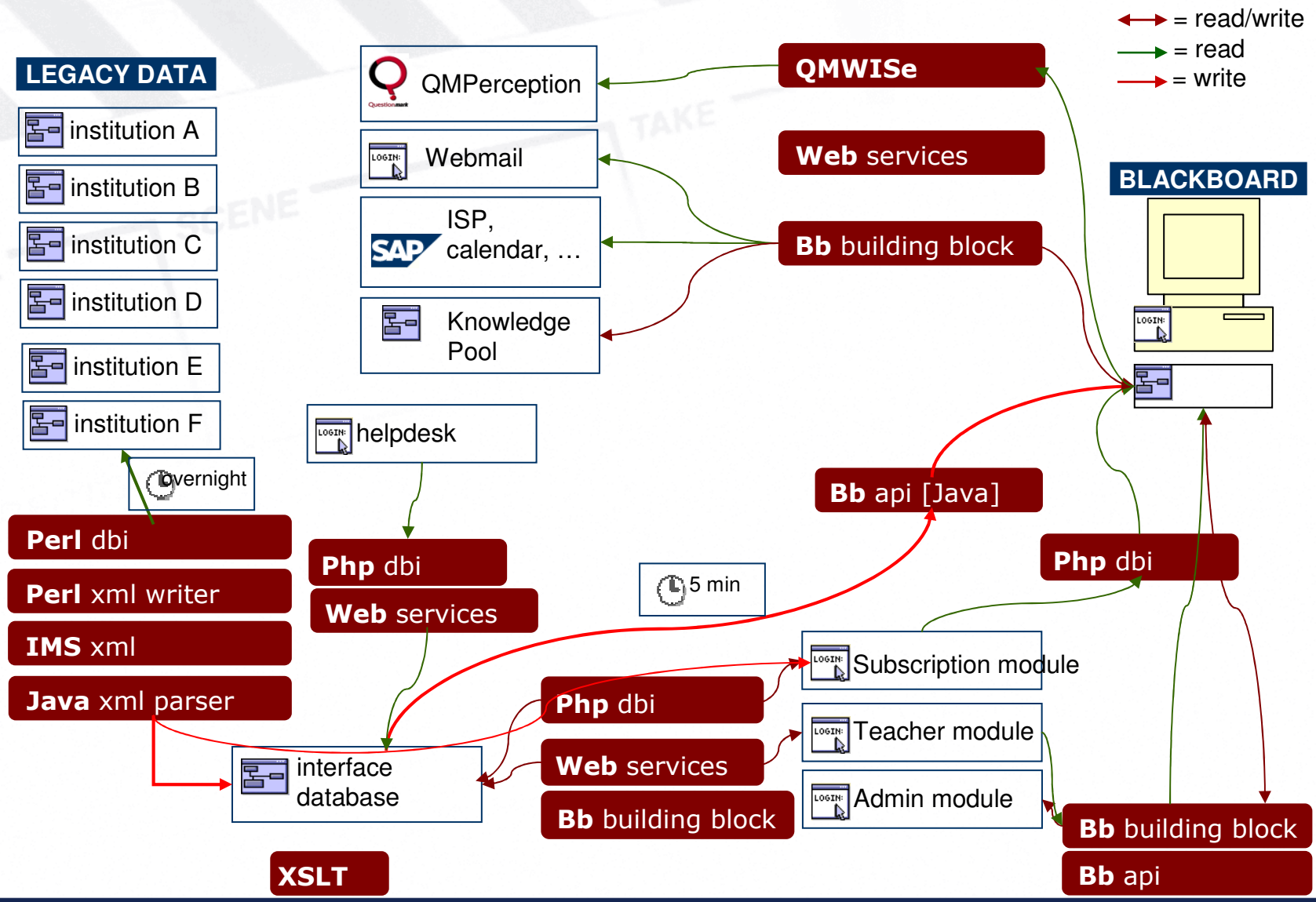
Presentation

Questionmark

ARIADNE

Bb
Blackboard
www.blackboard.com

5 year Toledo > 2003 > Building blocks



5 year Toledo > 2004

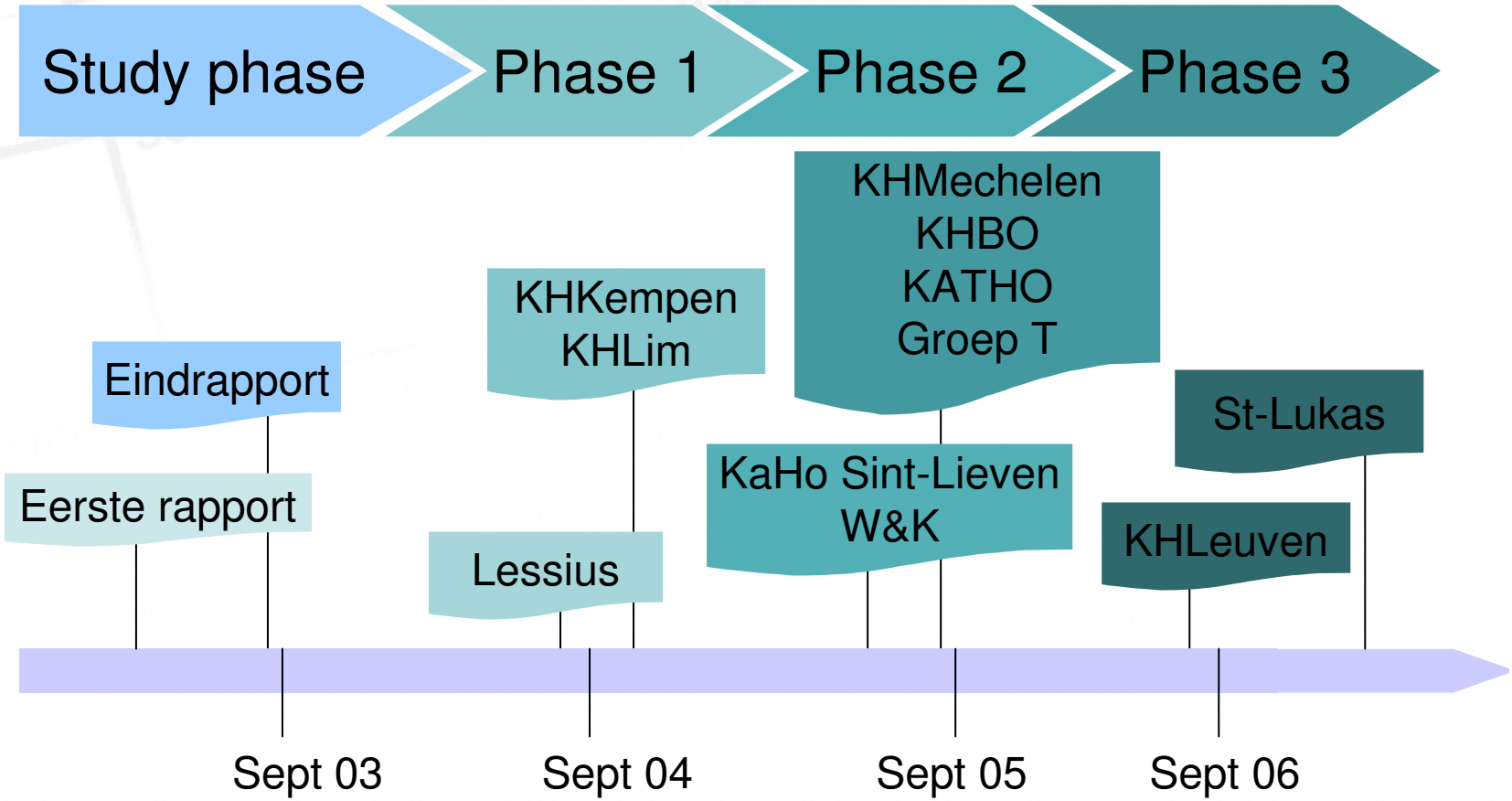
2001
2002
2003
2004

Expansion to the Association K.U.Leuven

ASSOCIATIE K.U.LEUVEN

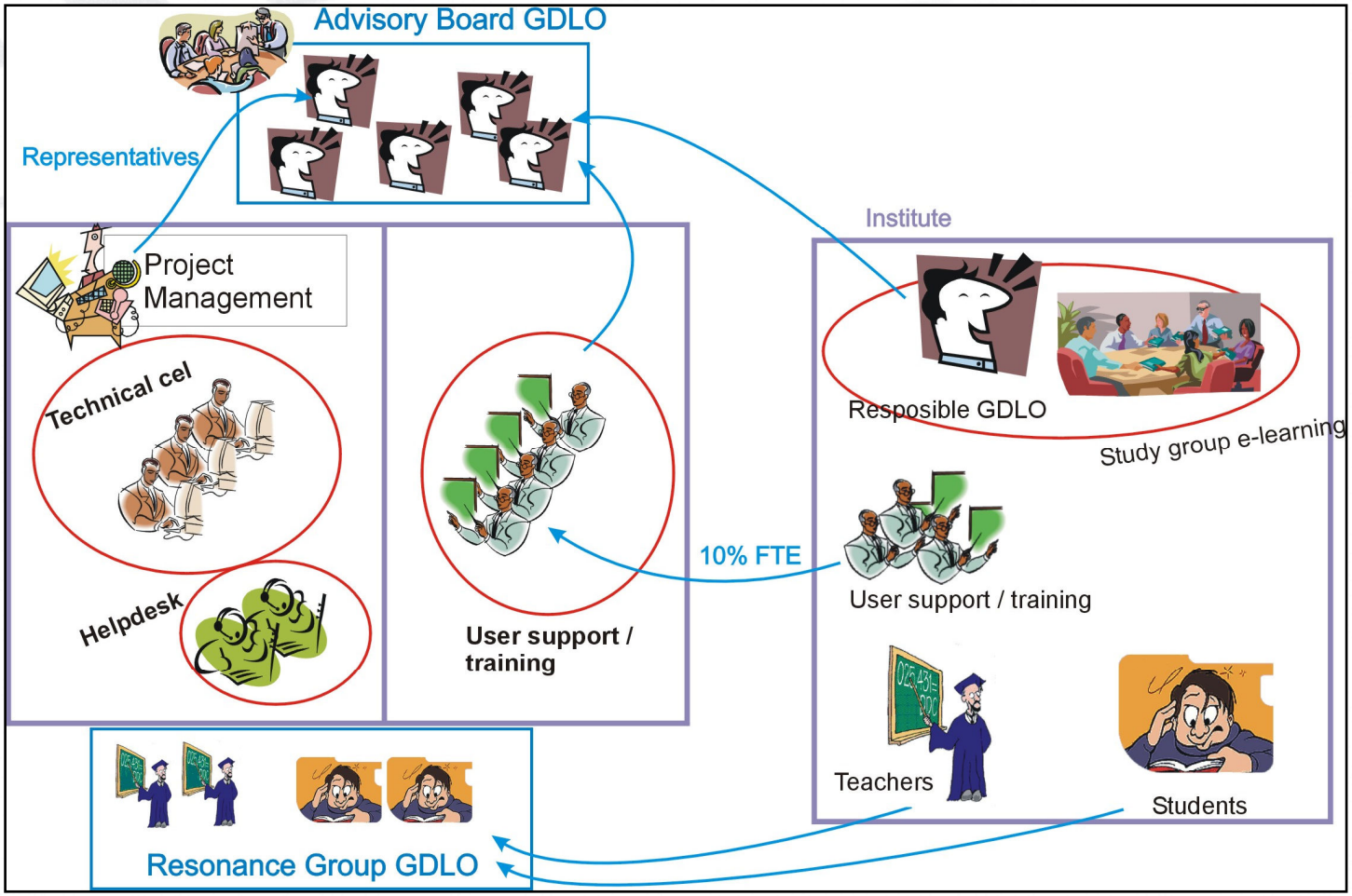
2004

5 year Toledo > 2004 > Association



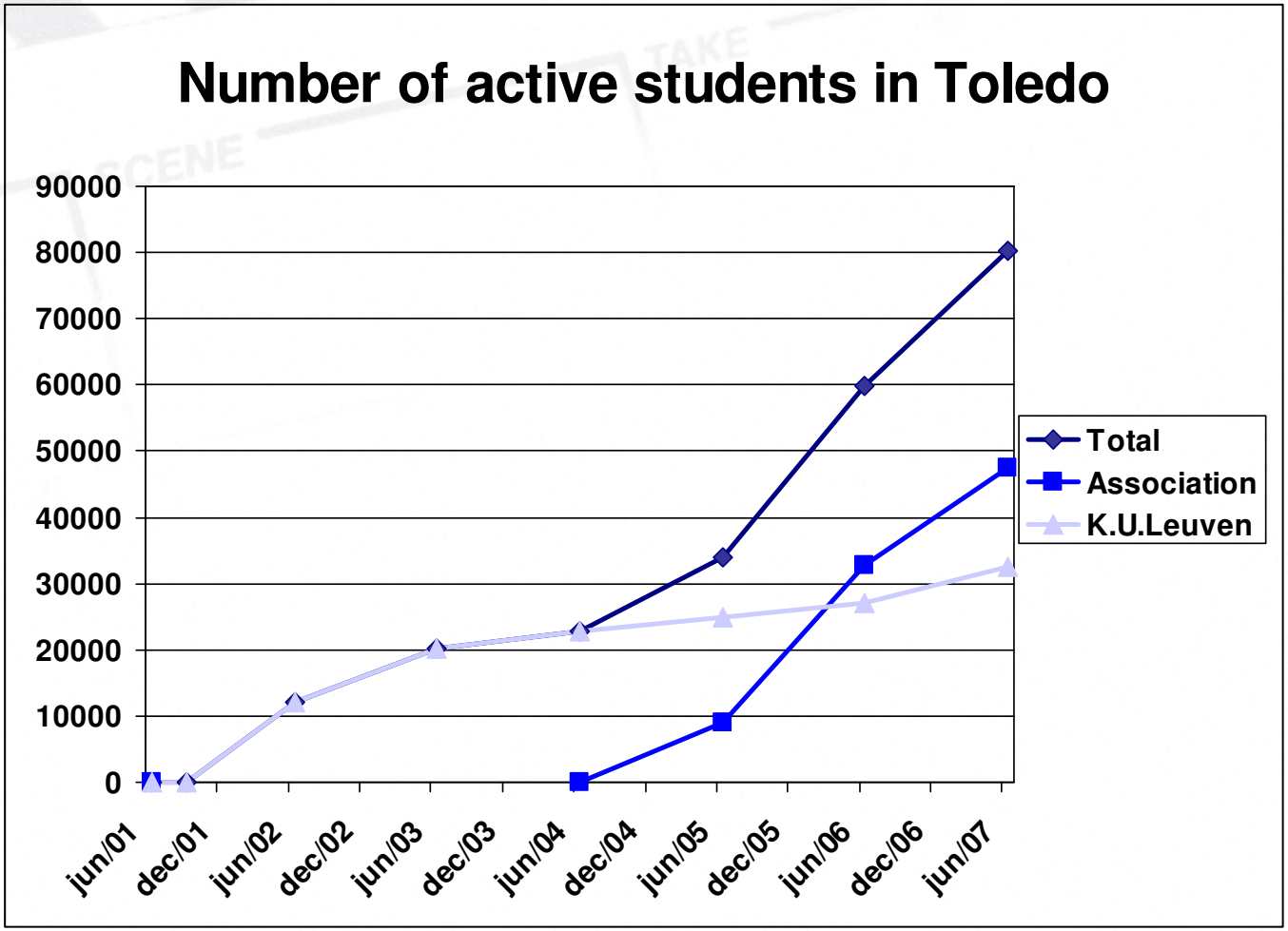
5 year Toledo > 2004 > Association

2001
2002
2003
2004



5 year Toledo > 2004 > Association

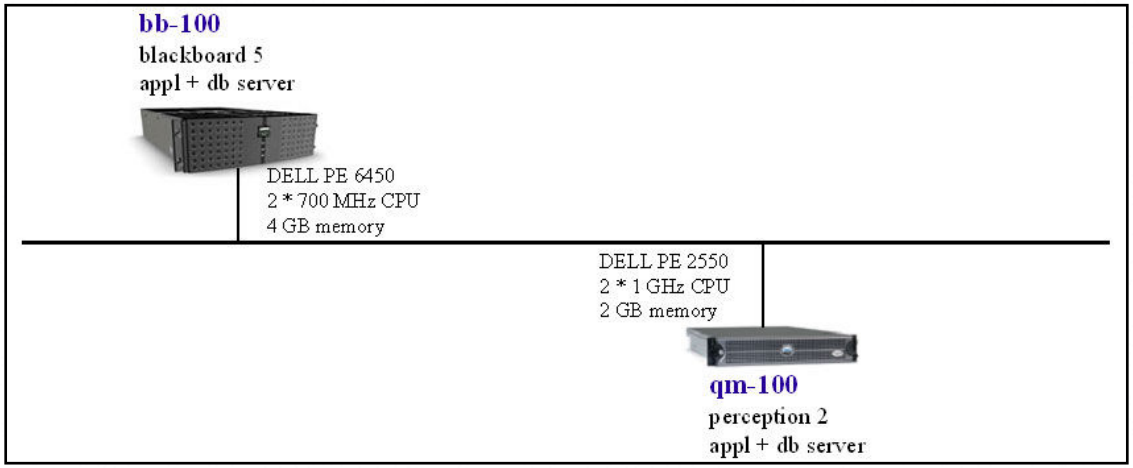
2001
2002
2003
2004



5 jaar Toledo > 2004 > Association

2001
2002
2003
2004

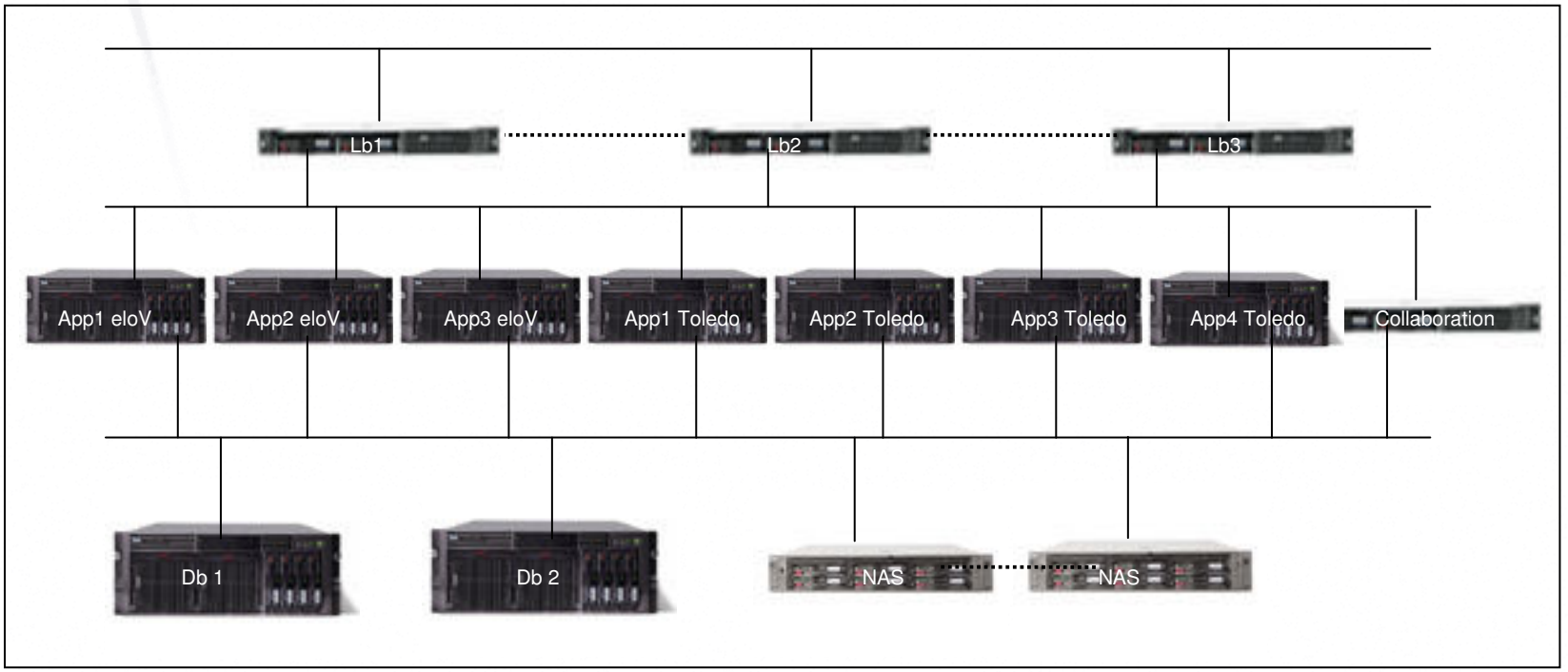
Server park Toledo 2001



5 year Toledo > 2004 > Association

2001
2002
2003
2004

Server park Blackboard 2007



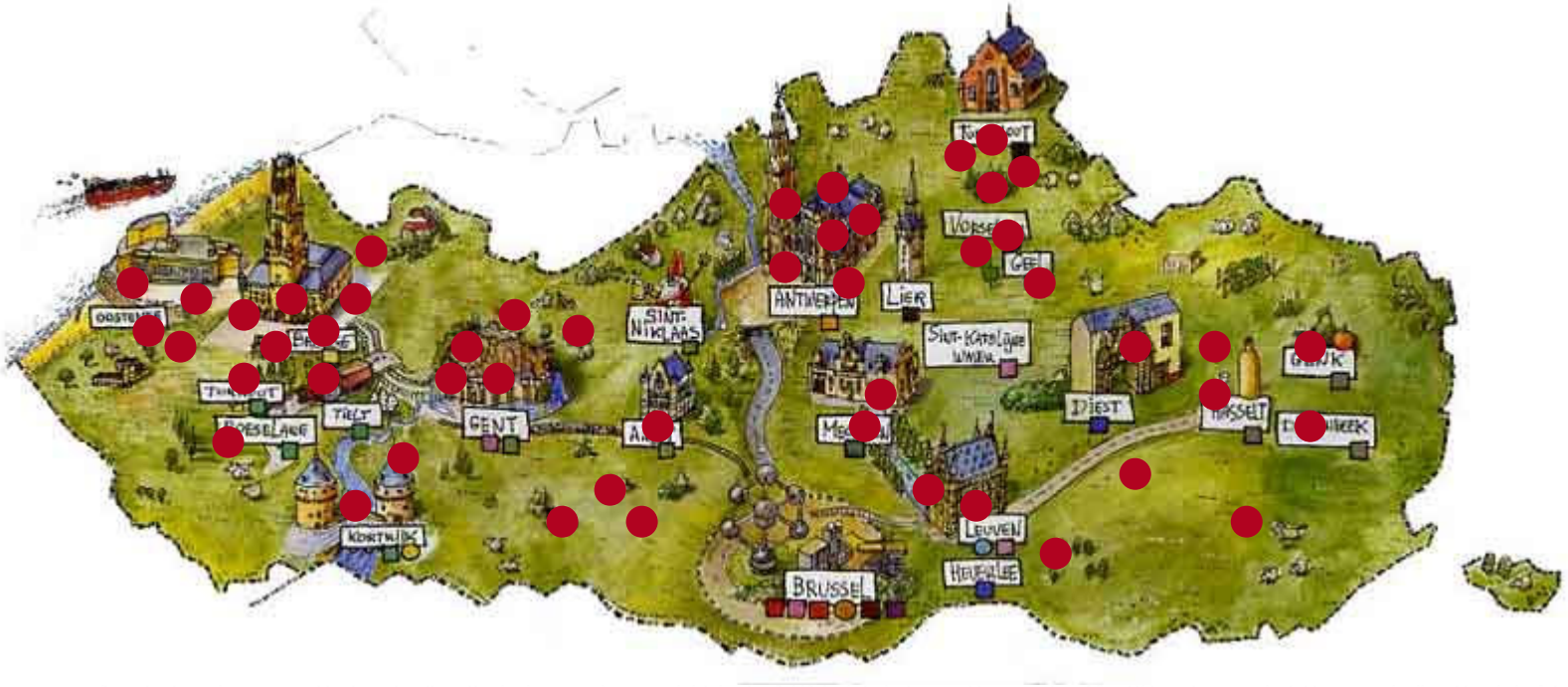
5 year Toledo > 2005

- Blackboard 6.3
- Link ISP (Individual Study Program)
- Further development GDLO
- eloV

2005

5 year Toledo > 2005 > eloV

2001
2002
2003
2005



5 year Toledo > 2006

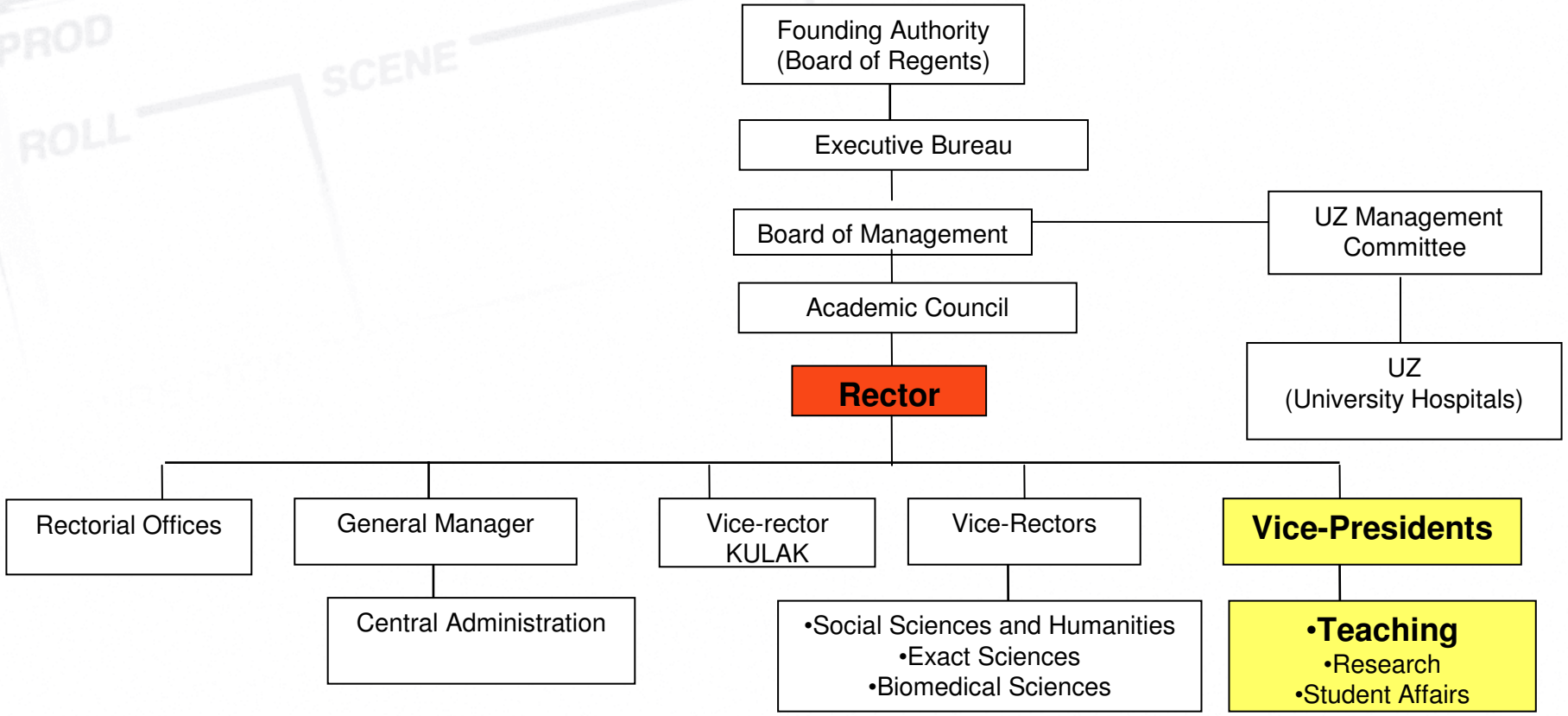
- Further development GDLO
- Toledo+
  - Innovation
  - From knowledge to competence
  - From teacher to student
  - Coaching and guiding internships, papers, …
  - E-portfolio
  - Coaching group work
  - Collaboration between teachers
  - …
- Conferences

2006

5 year Toledo > 2007

- 5 year Toledo
- Revision of support structure

Management organisation



Mixed management groups

ICTS board

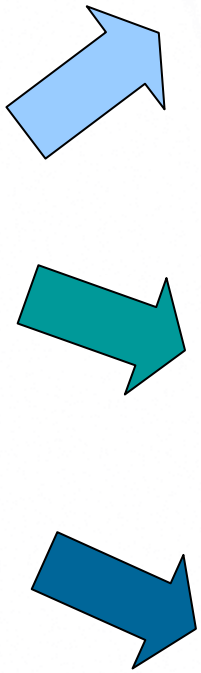
ICT management

ICTO advisory board

Education Management

General management

Teaching staff and experts



TOLEDO

DUO/ICTO educational support service

LUDIT ICT support

AVNET support

Teaching staff

Educational support staff

GDLO

Institutions' management

Toledo representatives

Internationalisation

Think Tank

5 year Toledo > …

And the future?

…

2010

2009

2008

2011

2012

2013

AVNet

Audiovisual and New Educational Technologies

- Audiovisual Services

  Production of interactive multimedia (learning) material

- eLINK

  eLearning in an International Network of Knowledge – support of multicampus education

- Study centre Open University

  Distance learning

Our mission

To develop multimedia products and systems in higher education, and

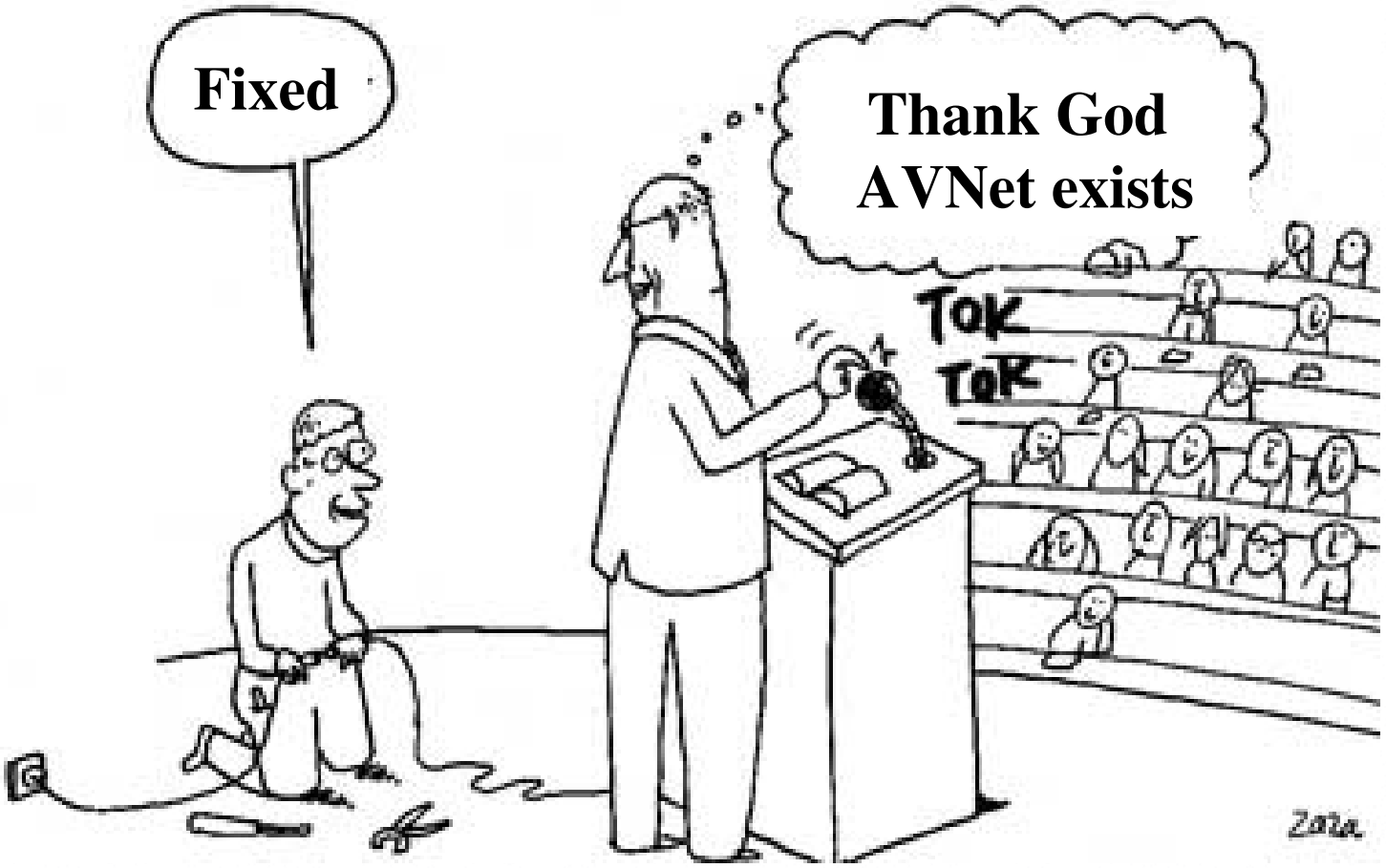
To support the proper use of AV and MM technologies in multicampus education (and other communication processes)

Within the Knowledge and Competence Network K.U.Leuven

Multimedia

- Production
  - Audio
  - Video
  - Interactive multimedia
- Presentation
  - In the real world (class room)
  - In the virtual world (mobile learning)

Class room service



Multicampus: definition

- K.U.Leuven in itself
- + Kortrijk (satellite campus)
- + Association
- International (incl. development cooperation)
- Individual students in Open University context
- Social networking: virtual communities of practice and learning communities

Multicampus: activities

- Common learning materials (e.g. OER)
- Common (lab) infrastructure
- Common learning activities
- Common courses
- Common programs
- Distance education
- Virtual mobility
- Supporting activities

Our dual role

Not only:	***But also***:
Technological aspects	Pedagogical and organisational issues
Teaching and learning support centre	Academic expertise and competence centre
Experiments and pilots	Mainstream and sustainable implementation and support
Well-defined, structured and embedded support	Flexibility, openness, chaos, ad hoc support

Our vision

- An integrated, multidisciplinary approach with attention to media, organisational, pedagogical, and technological aspects,
- An academic profile, with own initiatives in research, education and scientific community service
- A project-based working culture with emphasis on quality in products, processes and personal relationships

Our position at K.U.Leuven

- Vice-president teaching
  - Main and overall responsibility
  - Focus on education
- Other:
  - Education support centres
  - DICTS (Directorate ICT & systems)
  - International Relations Office
  - Technical Services
  - Etc…

For whom?

- For **personnel** at K.U.Leuven

  Teachers, education teams, central services, AVNet team members

- For **students** at K.U.Leuven

  Regular students, doctoral students, trainees, working students

- For the **Association** K.U.Leuven

  Students, teaching staff, managers

Our infrastructure

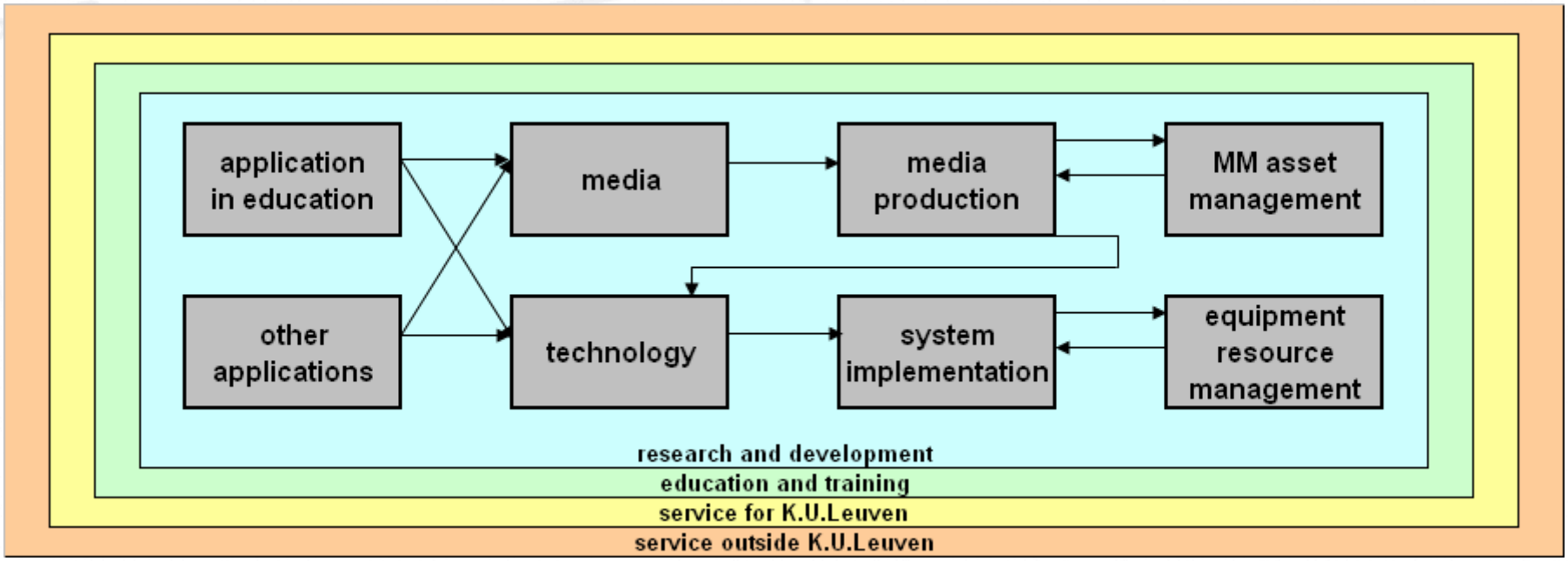
- video and sound studio
- 6 video editing suites
- multi camera production facilities
- recording facilities (OpenNet, lectures)
- videoconferencing (ISDN en IP) and interaction room
- streaming media server
- documentation and information centre
- AV rental service
- Social software?

Our team (and competences)

Our three-tier support model

1. Do it yourself:
   We stimulate teachers (students) to produce AV/MM materials or to develop e-learning projects on their own: focus on simple and cheap solutions
2. We do it together:
   We offer teachers (students) advice and facilities (for free) at AVNet to work on their own with professional tools and our infrastructure
3. We do it for you:
   We deliver professional service to you (not completely for free) for more complicated projects

Our internal workflow



Our expertise

Through:

- Interactive MM production work
- Experiments and pilots with MM and NET
- Research, development and implementation projects
- Collaboration with other centres and departments
- Networking and representation
- Education and training
- Internships for students
- Knowledge sharing

Our projects

On virtual mobility:

- Being Mobile Handbook:
  European Cooperation in Education through Virtual Mobility – Best practices
  http://www.being-mobile.net/
- REVE (Real Virtual Erasmus)
  Virtual Mobility Manual:
  http://reve.europace.org/drupal/
- VICTORIOUS: Student Mobility in a Digital World
  http://www.coimbra-group.be/victorious/

Our projects (cont.)

On virtual mobility:

- VM-BASE: Virtual Mobility Before and After Student Exchange
  http://vm-base.europace.org/
- VENUS (Virtual and E-mobility for Networking Universities in Society):
  http://www.venus-project.net/
- SPUTNIC (Seminars Promoting the Use of Technologies for Networking and International Collaboration):
  http://sputnic.europace.org/welcome.php

Our training: for whom?

Aimed at different target groups:

- New faculty members
- Teaching assistants
- Members of educational innovation teams
- Faculty members at large
- Students
- Partners (Association K.U.Leuven, development cooperation,…)

Our training offer

- Academic courses:
  - AV/MM in Toledo
  - Informatics and media
  - Video production
  - Multimedia Production Management
  - Webworkability
- Study counseling Open University

Our training offer (2)

- On-line course:
  - www.avnet.kuleuven.be/toledo/en

Our training offer (3)

- Hands-on Training:
  - AV/MM in Toledo
  - Use of editing suites

  - Use of the video and sound studio
  - Use of AV/MM equipment in lecture halls
  - Development of audiovisual learning materials
  - Videoconferencing
  - Mediatraining

Our training offer (3)

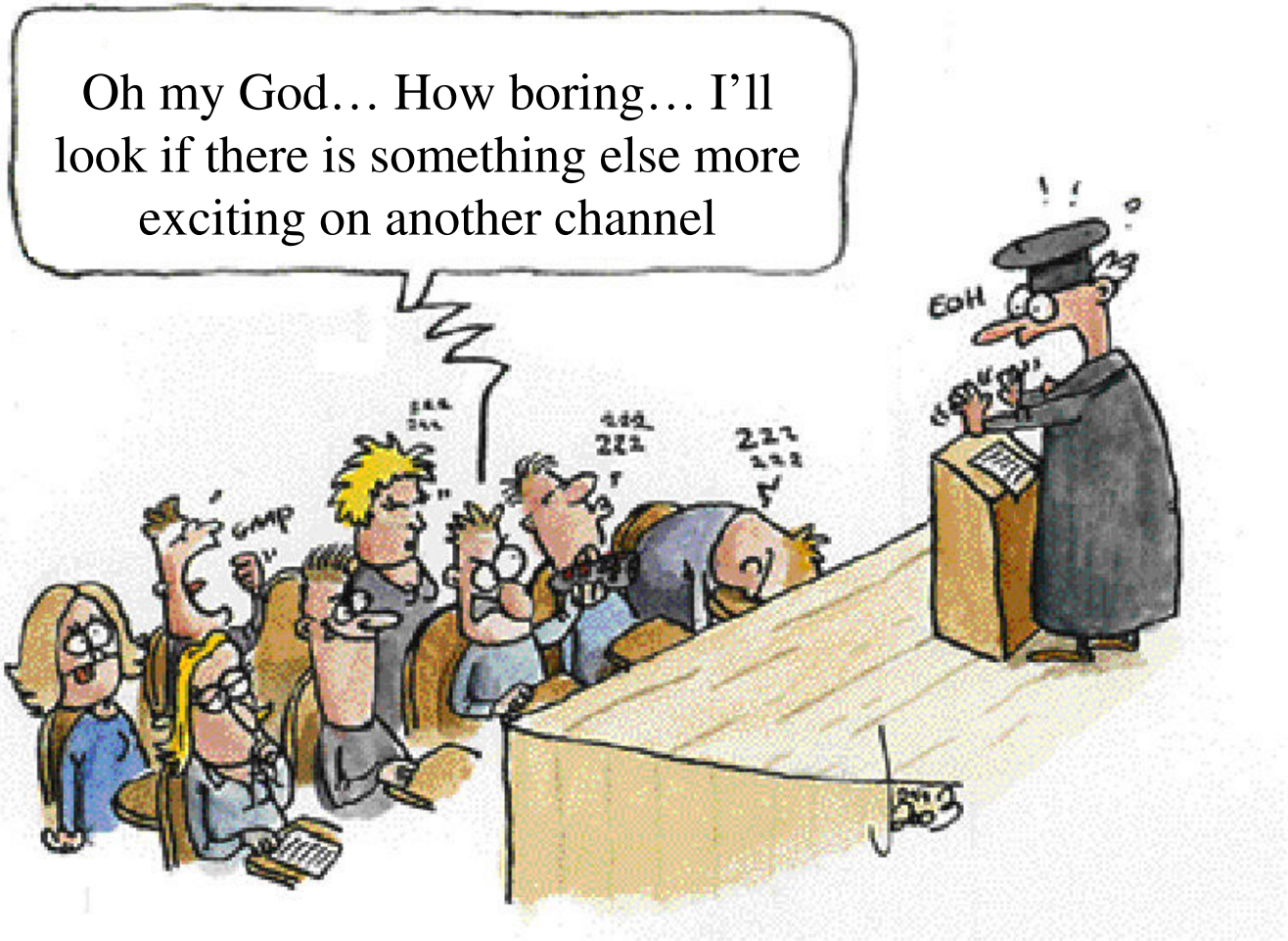
- Summer school
  - VENUS
- Seminars
  - VENUS
  - SPUTNIC
  - IMHO (Interactive Multimedia in Higher Education) http://www.impulscentrum.be/imho (in Dutch)
- Internships
  - For Flemish and international students with different backgrounds

Our representation

- Within K.U.Leuven
  - ICTO, ICTS, Architecture cells, Network commission, Permanent Working group OOI-projects
- Within Association
- In Flanders
  - Ministerial Steering Committee Open Higher Education
  - Vlir Expert group ICT/OLL
- International networks
  - EuroPACE, EUNITE, NAP (EDEN), IAMS, ICEM, SEFI, CAWO

Our resources

- +35 team members (with contract)
  + pool of working students, trainees, freelancers
- central financing (operations + infrastructure)
- partial financing by commissioners
  - 100% out-of-pocket cost +
  - 50% of personnel cost and infrastructure
- project finances
  - Flemish government
  - European Commission


Oh my God… How boring… I'll look if there is something else more exciting on another channel

Contact

More information?

- Link: http://www.avnet.kuleuven.be/en/
- Mail: info@avnet.kuleuven.be
- Call: +32-16-32.82.00
- Fax: +32-16-32.82.70
- Visit: Kapeldreef 62, 3001 Heverlee

(Thanks to the Toledo-team for their slides on 5 year Toledo)