

K.U.
LEUVEN
ASSOCIATIE

Katholieke
HOGESCHOOL Mechelen

KHLEUVEN
KATHOLIEKE HOGESCHOOL LEUVEN

KATHOLIEKE UNIVERSITEIT
LEUVEN



GROEPT
HOGESCHOOL LEUVEN

KATHO
Katholieke Hogeschool Zuid-West-Vlaanderen

HOGESCHOOL VOOR WETENSCHAP & KUNST



KHBO
Katholieke Hogeschool Brugge-Dendermonde
Associatie K.U.Leuven

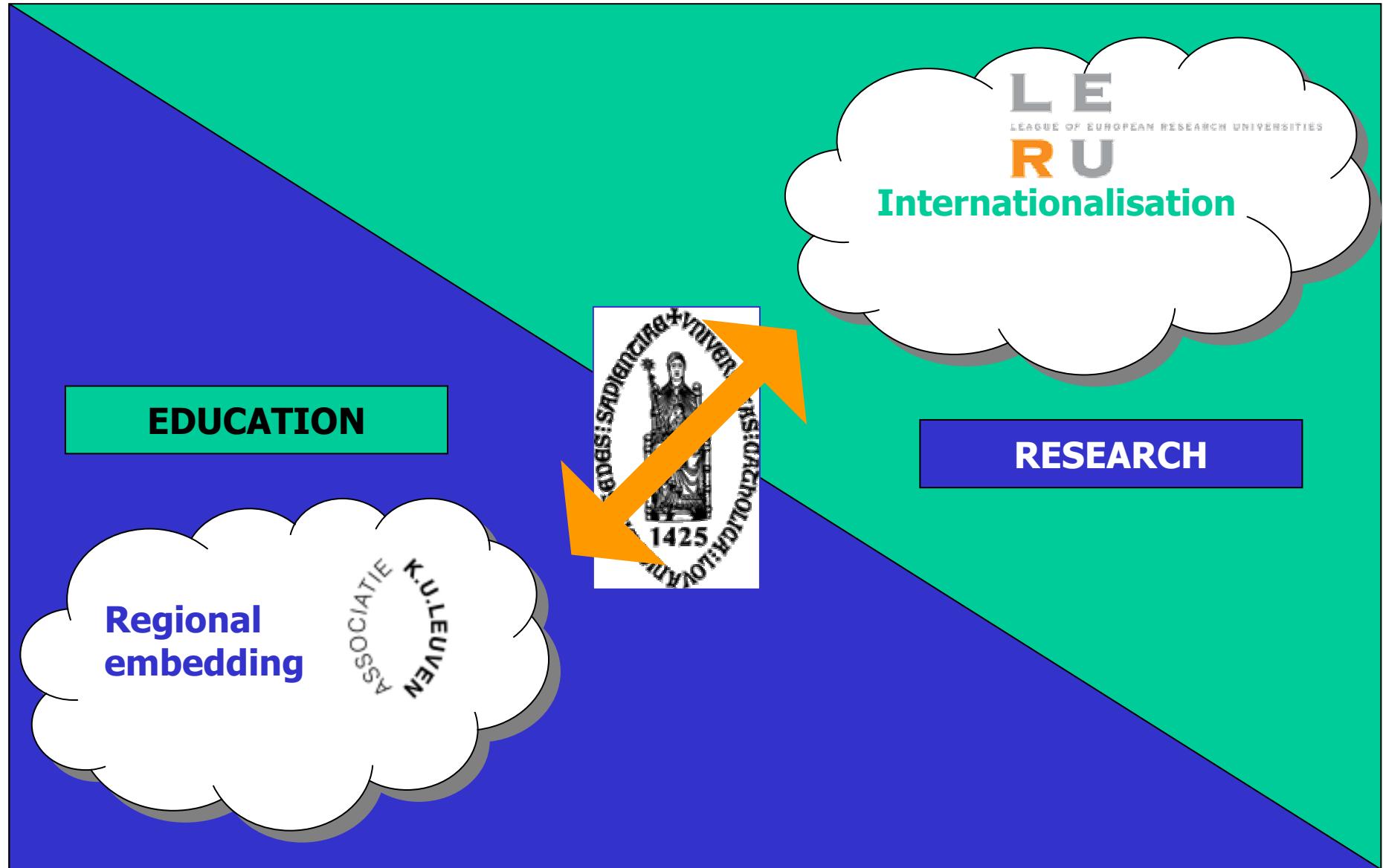


Lessius
HOGESCHOOL



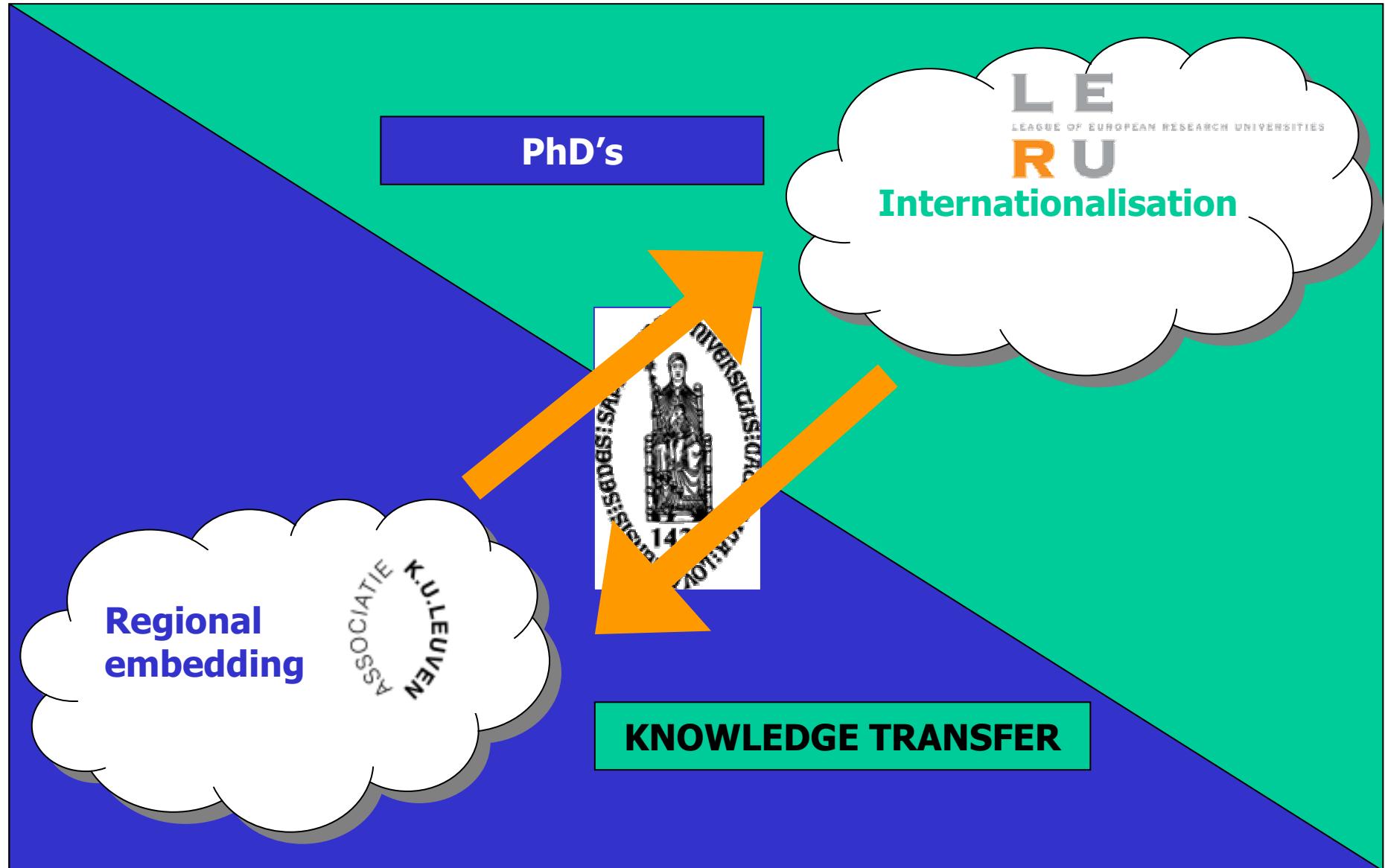
- ◆ Adapting to the knowledge economy
- ◆ ICT for university core activities
 - ▶ Research
 - ▶ Scientific education
 - ▶ Knowledge embedding & dissemination
- ◆ VLE as a flexible education management tool and beyond ...
- ◆ Integration of VLE's and ERP systems
- ◆ Multi-layered, open and modular architecture

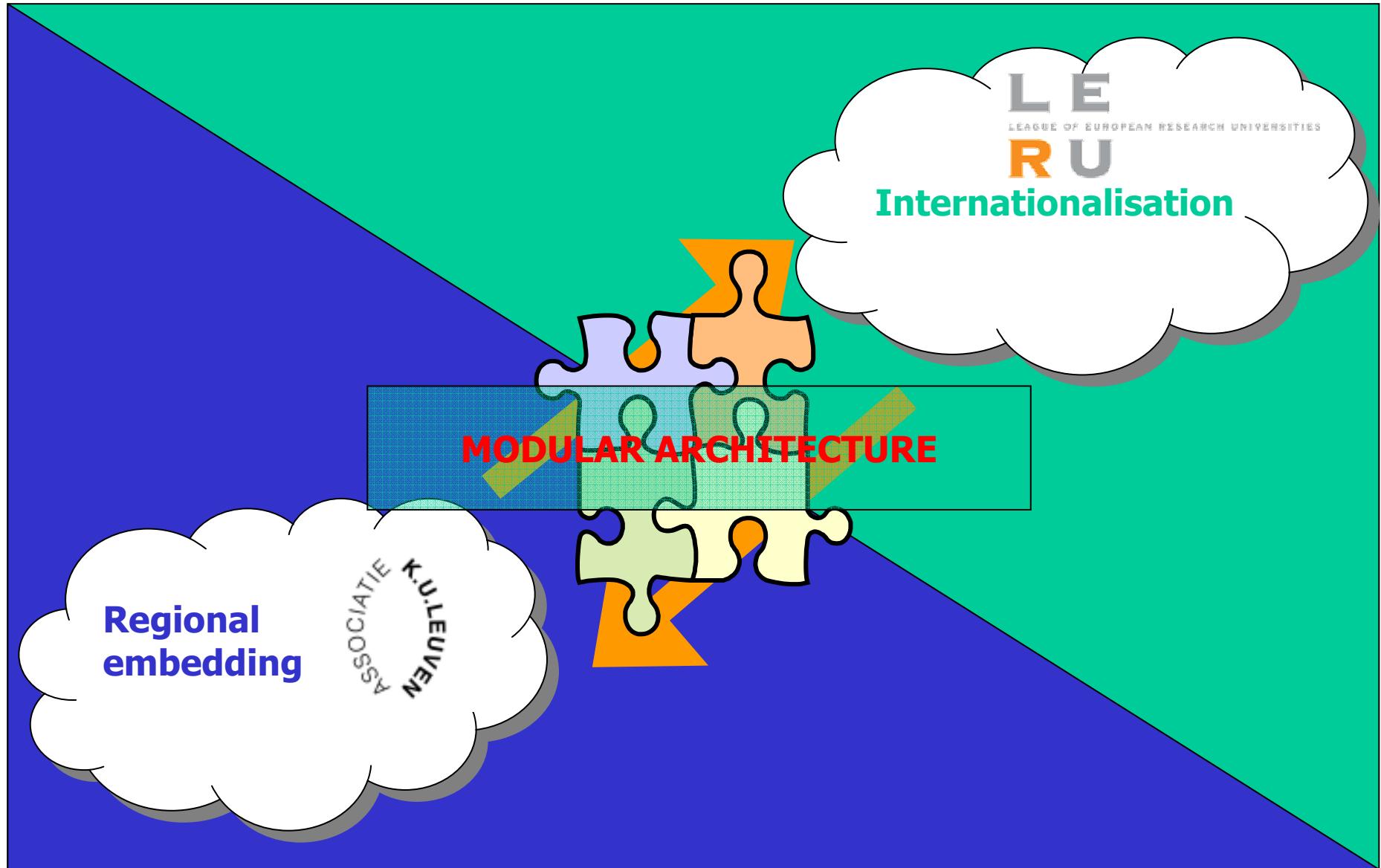






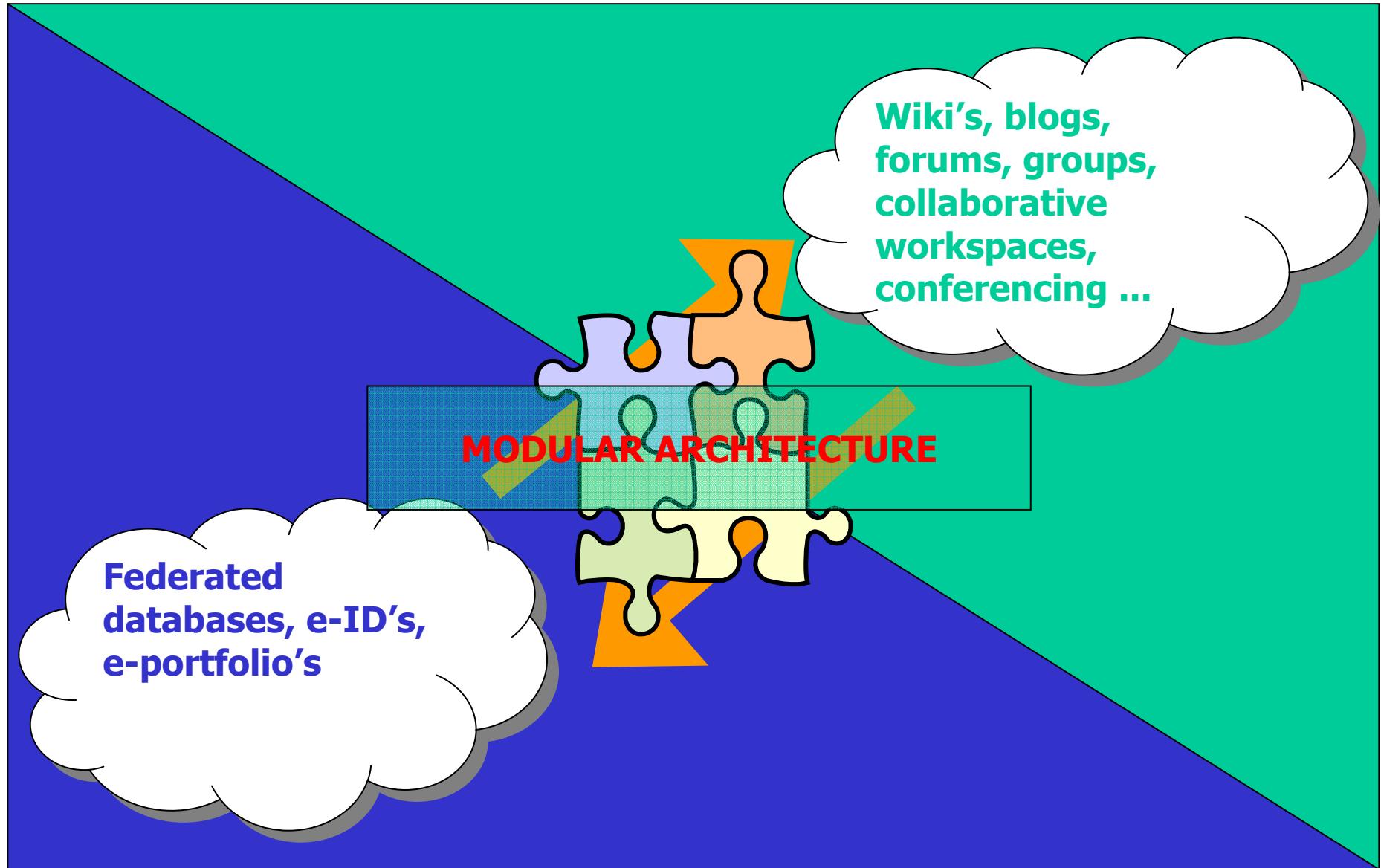
University value chain





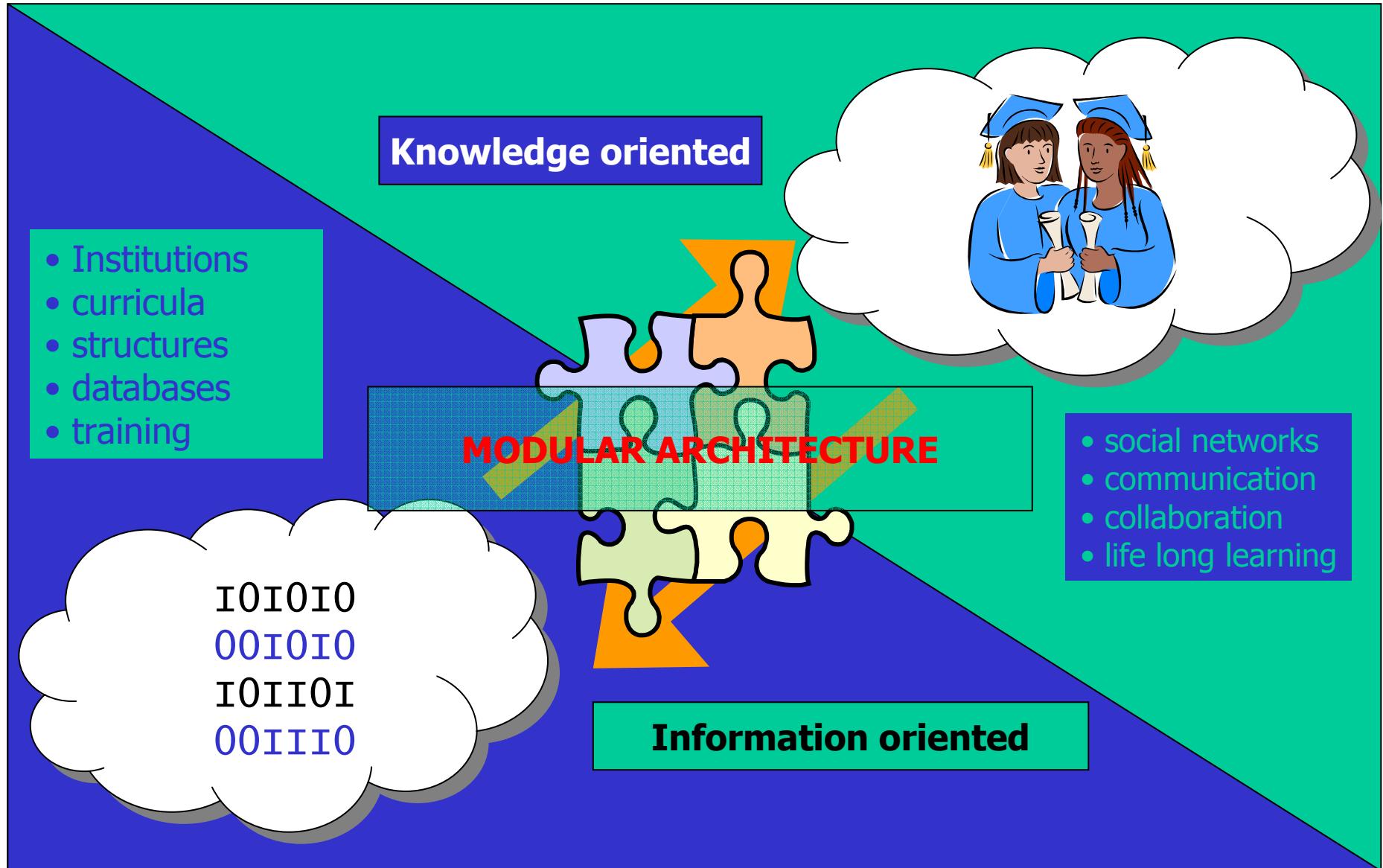


University in the value chain





From information systems to knowledge enablers



Platform : PC Lans, Unix/Linux, SP2, Mainframe

Storage management : NAS – SAN

User Authentication & autorisation AAI

Network services : KOTNET KULeuvenNet

WWW	E-Desk	Intranet	E-Portfolio	Knowledge pool		
Upward Connectivity layer						
Public Website University IPAC CMS	E-University external services	TOLEDO E-Learning ODE LCMS	Campus Management KU Loket BW - EIS	Librisource SFX ETD		
SAS, supercomputing, Faculties, Research, Scientific apps.	Authoring environments multimedia IMS SCORM		SAP Central Administration	LIBIS-NG Aleph		
Workflow applications						
Application databases : Oracle, SQL-Server, MySQL, Access, R/3						
Resource Management DRMS		Databases		DSPACE		
Master data : core databases (Oracle)						
Platform : PC Lans, Unix/Linux, SP2, Mainframe						
Platform Storage management : NAS – SAN						
User Authentication & autorisation AAI						
Network Network services : KUTNET KULEUVENNet						



- ◆ Assisted self-study
- ◆ Virtual campus: integration of ODL techniques in standard curricular teaching
- ◆ Organisation and validation of scientific content throughout association institutions
- ◆ Diversity of teaching methods
- ◆ Mixed international virtual classes

“Net-centric E-Learning”

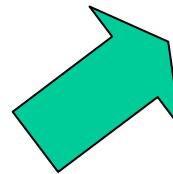


- ◆ Industrial partnerships
 - ▶ Oracle databases
 - ▶ SAP ERP system
 - ▶ Campus management SAP
 - ▶ Blackboard
 - ▶ QuestionMark Perception
- ◆ Open source:
 - ▶ Ariadne Knowledge Pool
 - ▶ Shibboleth AAI
- ◆ Open standards: SCORM, IMS
- ◆ Open architecture: Intermediate layer Java/Perl, IMS-compliant XML





- ◆ ICTS board
 - ▶ ICT management



- ◆ ICTO advisory board
 - ▶ Education Management
 - ▶ General management
 - ▶ Teaching staff and experts



- ◆ TOLEDO
 - ▶ DUO/ICTO educational support service
 - ▶ LUDIT ICT support
 - ▶ Teaching staff
 - ▶ Educational support staff
- ◆ CDLP
 - ▶ Institutions management
 - ▶ Toledo representatives
- ◆ Internationalisation
 - ▶ Think Tank





- ◆ In support for education
 - ▶ Different institutes want to offer bridges to other e-learning systems, e.g. QMP, FirstClass,...
 - ▶ Different educational needs
 - competence based education
 - guided independent learning
- ◆ In system management
 - ▶ Different Academic agendas, when do we have time for upgrades?
 - ▶ 70,000 students, 20,000 courses, millions of enrolments



1. 10 institutions; 23 campuses
 - ▶ Extensive user of portal functionalities
2. 10 directory servers
 - ▶ Adapted logon procedure
3. 10 administrative systems
 - ▶ Standardize on IMS for data integration
4. Different disciplines; educational concepts
 - ▶ Opening the environment for domain specific solutions
5. + 55,000 users
 - ▶ Load balanced system



The educational portal

The screenshot shows a Microsoft Internet Explorer window displaying the Toledo educational portal. The title bar reads "Blackboard Academic Suite - Microsoft Internet Explorer". The address bar shows the URL "https://cognit.kuleuven.be/webspa/portal/franstedt.p...". The main content area is titled "Toledo" and contains a "Associate Login" form with fields for "USERID", "PASSWORD", and "INSTITUTION" (set to "K.U.Leuven"). Below the login form is a "Nieuwberichten" (New messages) section stating "Geen berichten". To the right of the login form is a "Teledo Associate K.U.Leuven" sidebar featuring logos for various educational institutions: KU Leuven (with text "Universiteit Leuven"), Katholieke Hogeschool Kempen (with text "KATHOLIEKE HOOGESCHOOL KEMPE"), GROEP T (with text "Katholieke Hogeschool Mechelen" and "ASSOCIATIE KATHOLIEKE HOOGESCHOOLS"), Lessius Hogeschool (with text "Lessius HOOGESCHOOL"), KATHO (with text "KATHOLIEKE HOGESCHOOL ZOUTLEEUWEN" and "HOOGESCHOOL ZOUTLEEUWEN"), and KHBO (with text "HOOGESCHOOL BRUSSEL"). The bottom status bar of the browser shows "Internet".



Every CDLP user has personalized educational portal

KATHOLIEKE UNIVERSITEIT
LEUVEN

My Toledo Admin System Admin Help

Home Help Logout

Lessius
HOGESCHOOL

My Toledo Lessius Admin Help

Home Help Logout

Katholieke Hogeschool Kempen

My Toledo KH Kempen Admin Help

Home Help Logout

HOGESCHOOL VOOR WETENSCHAP & KUNST

My Toledo W&K Admin Help

Home Help Logout

All students

Students of K.U.Leuven

Blockboard Learning System™ (Release 6) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Favorites Address https://lembc.cc.kuleuven.ac.be/webapps/portal/frameset.jsp Go

KATHOLIEKE UNIVERSITEIT LEUVEN

LEUVEN

My Toledo Admin Help

Tools

Calendar Tasks

Welcome, Marijke

Student Tip:

TOLEDO TIP: CURSUSSEN ONZICHTBAAR MAKEN

Je kan cursussen die je niet meer wil zien (bijv. van vorig semester) verbergen via het potloodicoon. Announcements niet laten verschijnen in de 'My Courses' kader is eveneens mogelijk.

Klik [hier](#) voor meer informatie.

TOLEDO TIP: MAKING COURSES INVISIBLE

You can hide courses you don't want to see anymore (for example courses of the past semester) using the pencil icon. It's also possible to hide the announcements in the 'My Courses' frame.

Click [here](#) for more information.

My Announcements

None have been posted today.

Eindwerk 2004

- Eindverhandeling 2004-2005
- Stage ReKI - 2de licentie
- stageregeling periode 10
- Seminaries ReKI
- Logboek
- Formulier Evaluatie Stageplaats

More.....

My Courses

Courses in which you are enrolled:

- [L18937a] Ziektelessen en motorische revalidatie bij patiënten met musculoskeletale aandoeningen ter hoogte van de wervelkolom, deel 2
- Announcements
 - welkom
- [L18939a] Informatie- en communicatiemedia in de revalidatiewetenschappen
- No Announcements
- [L18943a] Stages in de motorische revalidatie, deel 2
- No Announcements
- [L18945a] Geavanceerde musculoskeletale revalidatie m.i.v. practicum, Deel 1
- No Announcements
- [L18945b] Geavanceerde musculoskeletale revalidatie m.i.v. practicum, Deel 1
- No Announcements
- [L18946a] Geavanceerde musculoskeletale revalidatie m.i.v. practicum, Deel 2: onderste kwadrant
- No Announcements
- [L18946b] Geavanceerde musculoskeletale revalidatie m.i.v. practicum, Deel 2: onderste kwadrant
- No Announcements

Campus Management

Min studenten dossier

K.U.Leuven - Mail

You have 6 new message(s), 6 unread messages. [[Webmail](#)]

Unavailable Courses

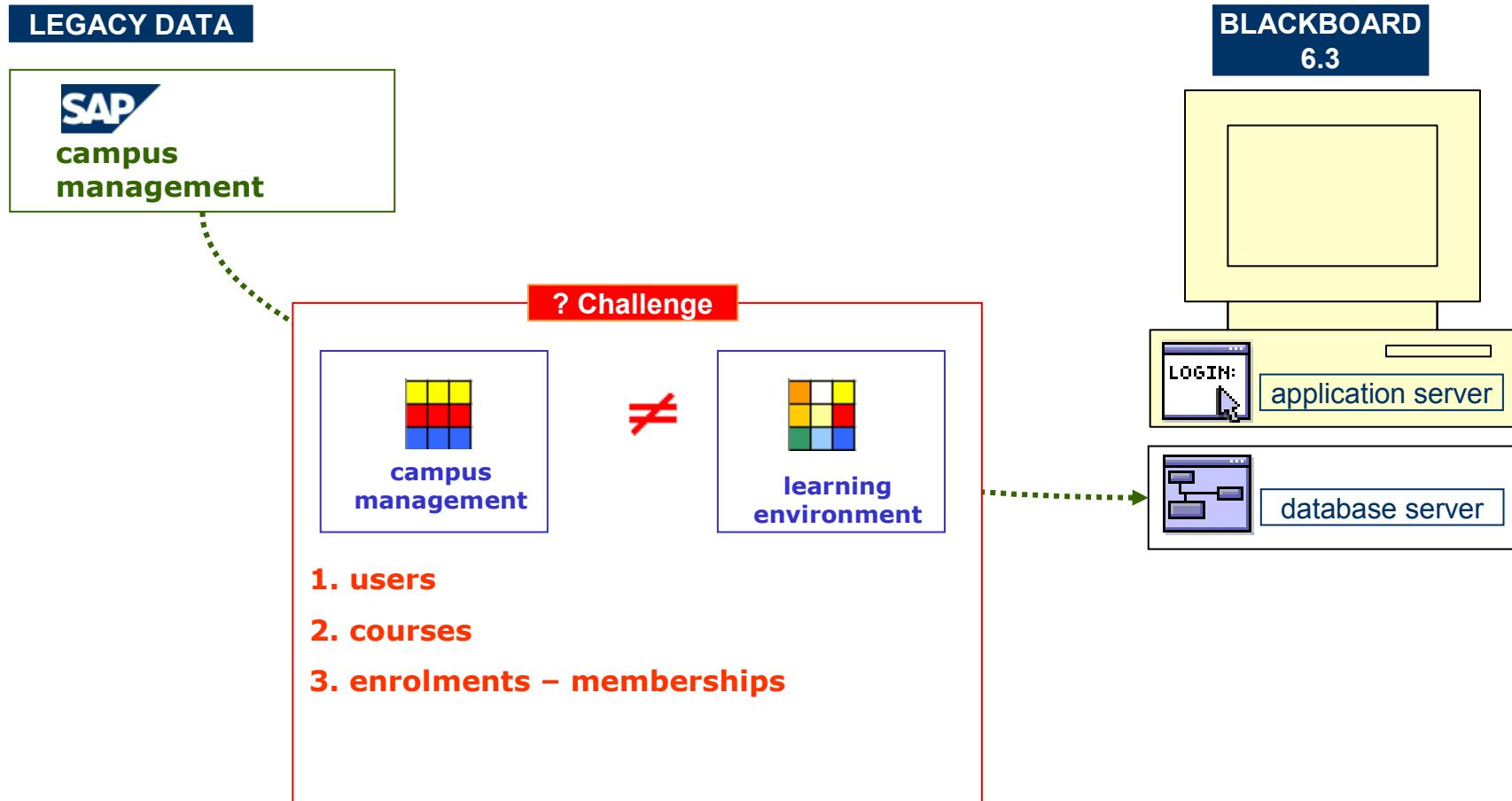
Cursussen waarvoor u bent ingeschreven, maar die niet beschikbaar zijn voor studenten.

Courses in which you are enrolled, but which are not available to students.

ID	Title
DB	

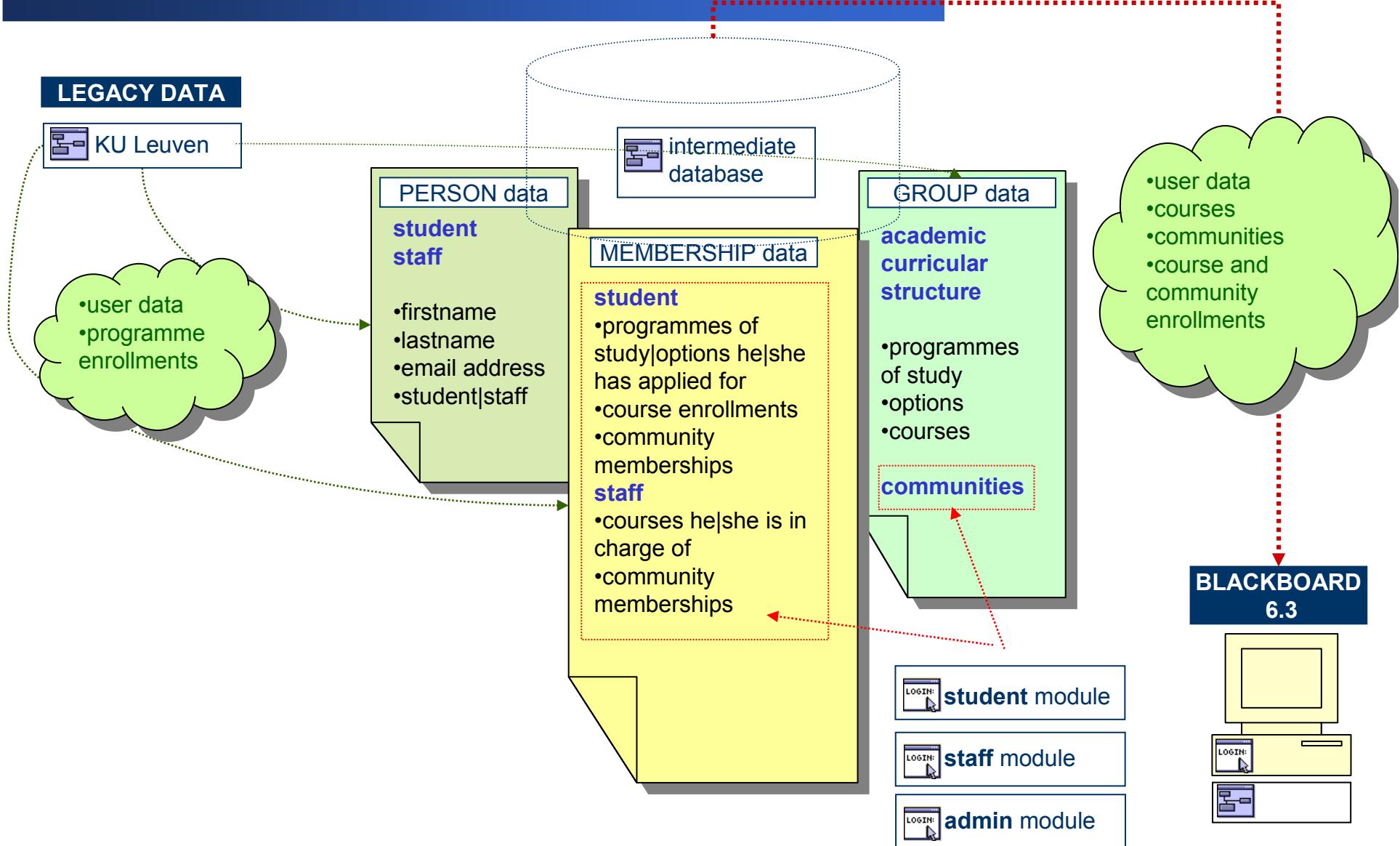
Done Internet

Data integration



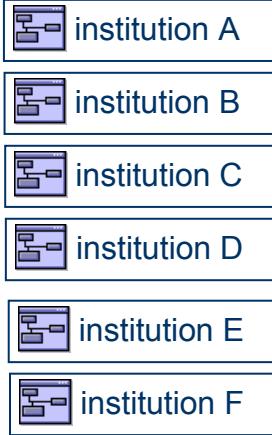
IMS-compliant intermediate database

5 min





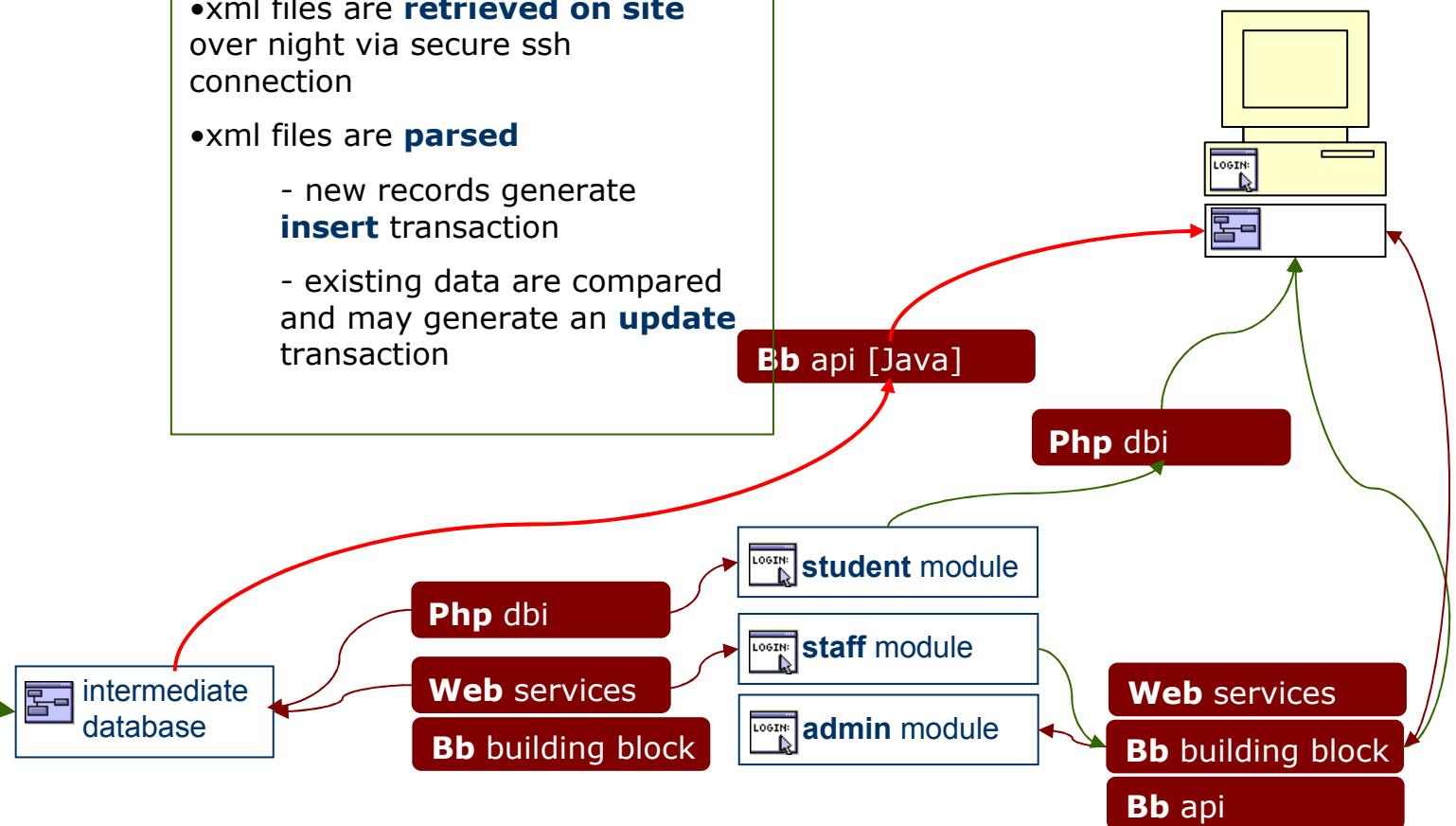
LEGACY DATA



! Approach

- perl scripts passed to institutions
- scripts generate **ims enterprise** compliant xml wrapping of data (www.imsglobal.org)
- xml files are **retrieved on site** over night via secure ssh connection
- xml files are **parsed**
 - new records generate **insert** transaction
 - existing data are compared and may generate an **update** transaction

BLACKBOARD 6.3





Extra tools and links

KATHOLIEKE UNIVERSITEIT
LEUVEN

Home Help Logout

My Toledo System Admin Admin Help

COURSES > INFOSESSIE BLACKBOARD > CONTROL PANEL

INFOBB: Infosessie Blackboard - Leen Van Rentergem (Instructor)

Content Areas	User Management
Course Information	List / Modify Users
Course Documents	Remove Users from Course
Assignments	Enroll User
Course Tools	Assessment
Announcements	Test Manager
Course Calendar	Survey Manager
Staff Information	Pool Manager
Tasks	Gradebook
Discussion Board	Gradebook Views
Collaboration	Course Statistics
Manage Chalk Title	
Course Options	
Manage Course Menu	Course Copy
Manage Tools	Import Package
Settings	Export Course
Recycle Course	Archive Course

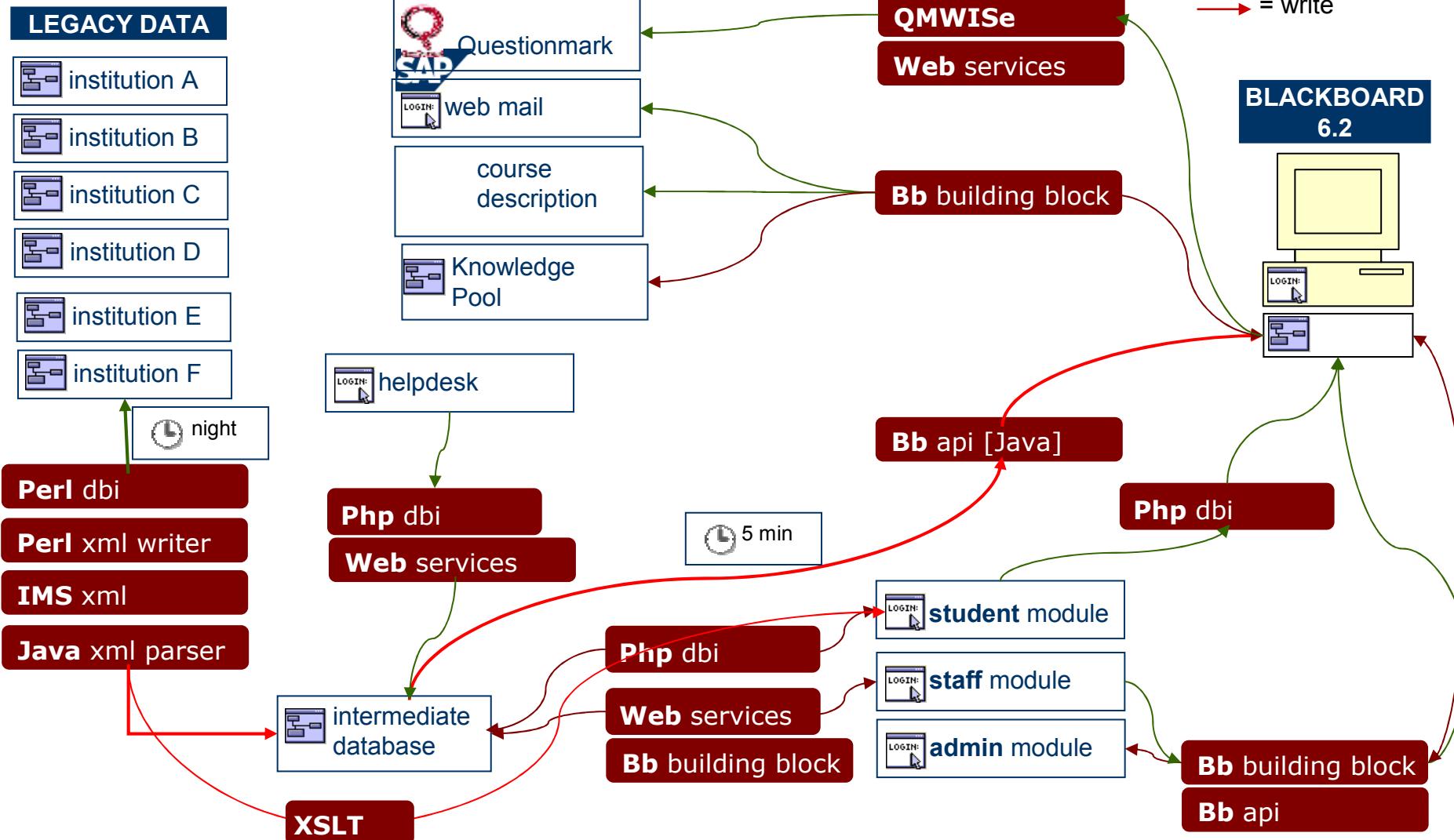
An orange rectangle highlights the "Course Tools" section, specifically the "Advanced Groups Manager" through "Course Statistics - Toledo" links. An orange arrow points from the text "Toledo tools" to this highlighted area.

Toledo tools



Links

↔ = read/write
→ = read
→ = write





Toledo: blackboard production network

