ORTUS – Gateway to University IS

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Outline

• University IS integration
• Rise of IS usage and acceptance
  – E-learning & Library examples
• Audience based approach
• Conclusions
Common challenges

• Systems distributed across departments
• Different login names in different systems
• Weak or no integration across systems
• University portal ORTUS (source, rising - in Latin) introduced in 2007

• ORTUS – the facilitator of access and use of different IS

  ➔ Ease of access, single point of entry, gateway to university IS

  ➔ Services provided through ORTUS have evolved and are still evolving to adjust changing requirements
Overview

Before 2007

- Study support systems
  - Students record management
  - E-learning environments
- Administration support systems
  - HR
  - Finance
- Science support systems
  - Subscribed databases in library

Users - students, teachers, scientists, and administrative staff

From 2007

- Study support systems
  - Students record management
  - E-learning environment
  - Survey
- Administration support systems
  - Person registry
  - HR
  - Finance
  - Resource (room) planning
  - Project management
- Science support systems
  - Subscribed databases in library
  - Publication, Expert, and Patent registry
  - Journal publishing

Audience based news, e-mail, and SMS broadcasting
Access and use variety of IS ORTU
The rise of IS usage and acceptance—examples (1)

• **Centralized e-learning solution**
  – No distributed e-learning environments across departments
  – Single point of access
• Centralized synchronization to populate user and course data
  – Courses, teachers, and students each semester are already there – teachers don't have to worry about student assignment to e-learning courses
• User support and training
• Activity (thousand hits per month)
The rise of IS usage and acceptance—examples (2)

• Unified access to databases subscribed by the library (Scopus, ScienceDirect, Ebsco, SpringerLink, etc.)
• User just signs in ORTUS and can freely access any subscribed database
  – there is no need to use different login names for each database
  – no need to be physically present in the library

• Activity (user sessions per year)
  – Science Direct: from 9,200 in 2007 to 16,000 in 2012
  – SpringerLink: from 960 in 2007 to 2,600 in 2012
Audience based approach

• Users visit portal with their own goals (studies, research, administrative, etc.),
  – For each of them we can ensure the customized information acquired from different integrated systems

• Audience based solutions
  – ORTUS itself
  – News
  – Surveys
  – Notifications from different IS
  – E-mail, SMS
Audience examples

• From generic to specific audiences
ORTUS itself

- Different information units and features available for students, employees, foreign students, guests
News
Centralized surveys

- Audiences: study course students of particular semester, curricula graduates, doctoral students

Integrated data from:
- Students record management
- Resource (room) planning
- Person registry
- Curriculum registry
Notifications from different IS

- Single users as audience
- Example sources:
  - Students rec. management - about study depts (unpaid payments)
  - E-learning – about unread messages
  - Survey – about unfilled surveys
  - Scientific library – overdue the date for returning books to library

Data from:

- Students record management
- E-learning environment
- Survey
- Scientific library
Other audience based solutions

• E-mail, SMS
  – As means to quickly communicate information to specific audiences

  – Example cases:
    • Unplanned guest lecturer speech about a specific topic
    • Teacher’s unexpected absence one hour before the class
Conclusions

• University portal ORTUS as a facilitator to system integration
• Integration of different IS is facilitating new and evolving solutions and services
• ORTUS as a gateway
  – Single point of entry to different IS
  – Audience based solutions
    • Serving information to user (news, notifications, etc.)
    • Gathering information from user (feedback, surveys, etc.)