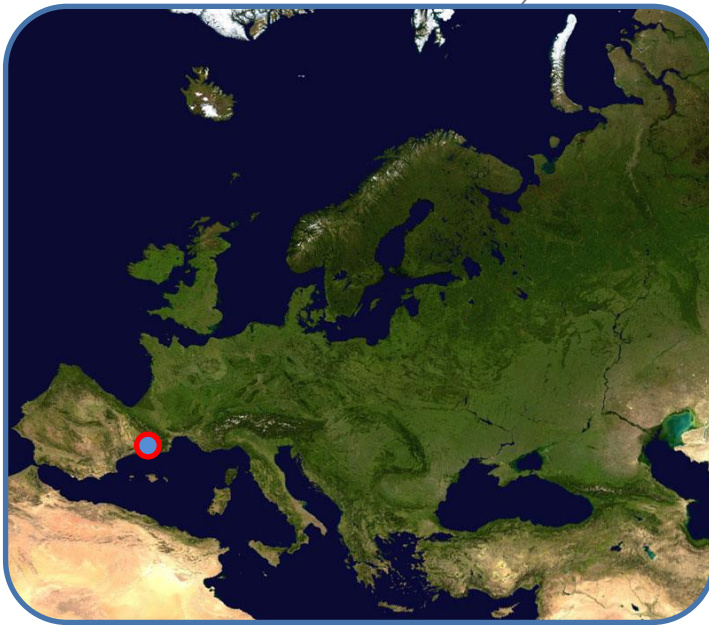






iPhone  
ANDROID  
SIGMA



SIGMA is a **non-for-profit consortium** established in 1996, and owned by 8 top level **Spanish Public Universities**, to provide **technological solutions** for students, learning and research management processes.

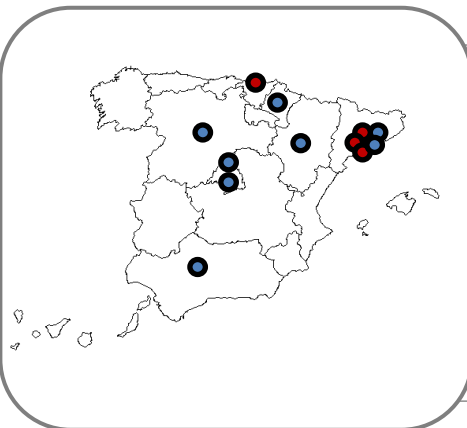
SIGMA focuses the development and support of two main best of breed suites of solutions:

**SIGMA Student Information System**

**ARGOS Research Information System**

# Our community

## Owners



SIGMA represents the **20% of the students in the Spanish Public university system**, with institutions all across the country

## Customers



**Escola Universitària del Maresme**  
**Escola Superior de Ciències de la Salut**





**Universitat Autònoma  
de Barcelona**

Founded in **1968** it's a young and dynamic university based on 4 principles of **autonomy**:

- To select **teaching** staff
- To make available the admission to all **students**
- To create its own **syllabus**
- To administrate the University's **capital**

### UAB at a glance (2011 - 2012)

<b>85</b> degree courses	<b>130</b> official masters	<b>79</b> PhD programmes	<b>771</b> continuing education programmes (2010-2011)
<b>29.018</b> degree students	<b>2.280</b> official masters students	<b>3.578</b> PhD students	<b>10.791</b> continuing education students (2010-2011)
<b>4.677</b> degree graduates (2010-2011)	<b>1.577</b> official masters graduates (2009-2010)	<b>4.505</b> degree international students	<b>1.914</b> postgraduate international students
<b>71,5</b> millions of Euros for research	<b>2.239</b> articles published in indexed journals (2011, WOK-ISI)	<b>522</b> PhD theses (2010-2011)	<b>57</b> spin-off companies
<b>57</b> European research projects (2011)	<b>337</b> national research projects (2011)	<b>383</b> research agreements (2011)	
<b>3.615</b> research and teaching staff	<b>796</b> research staff in training	<b>2.503</b> administration and services staff	<b>339,5</b> millions of Euros budget for 2012

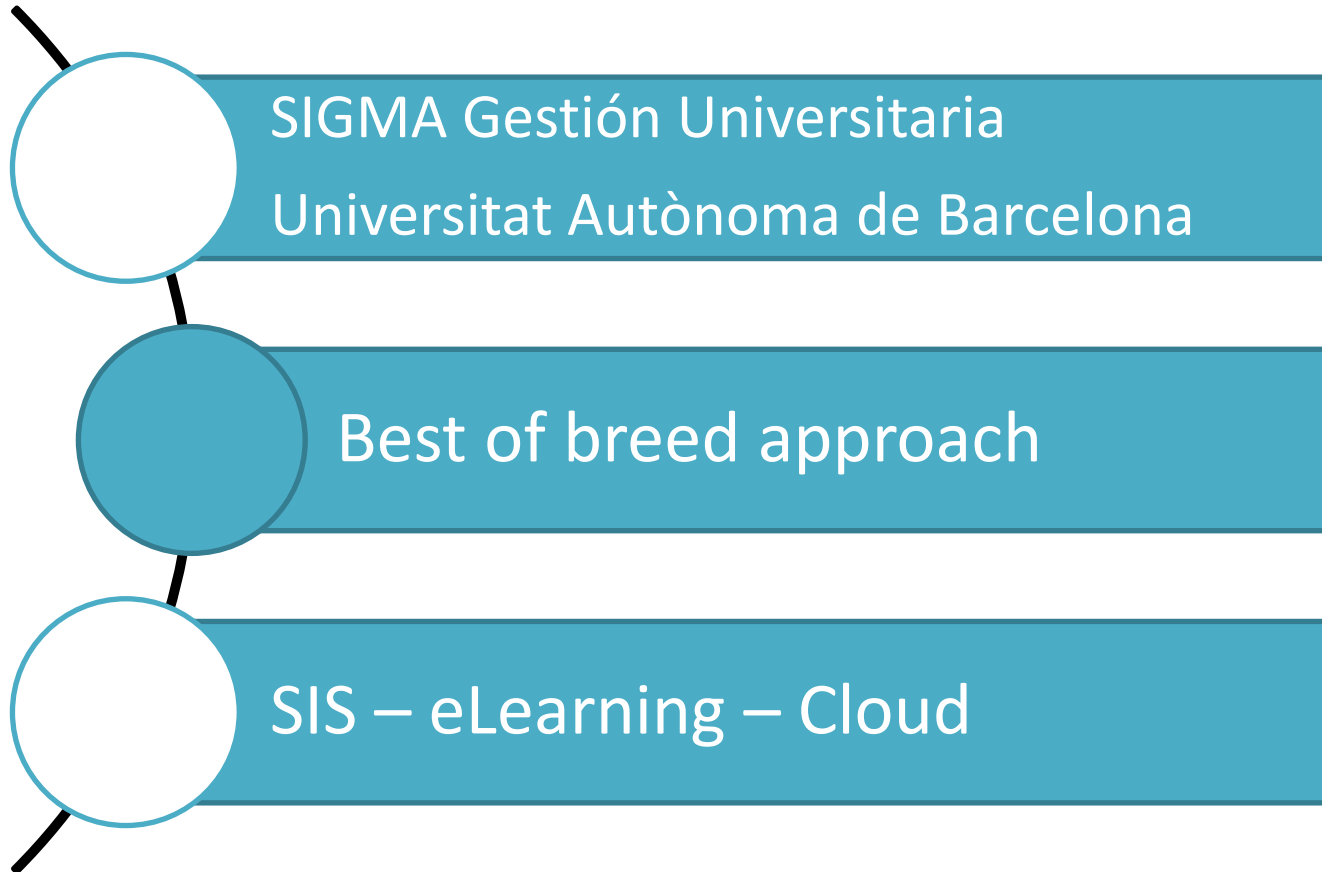
### QS World University Rankings

**2012/2103**

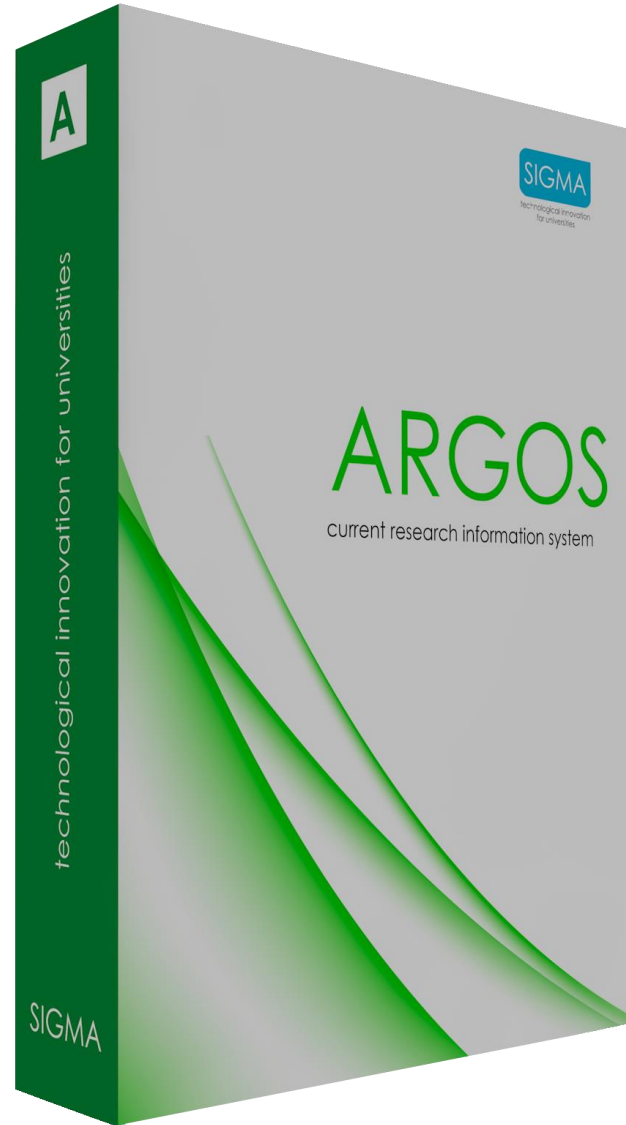
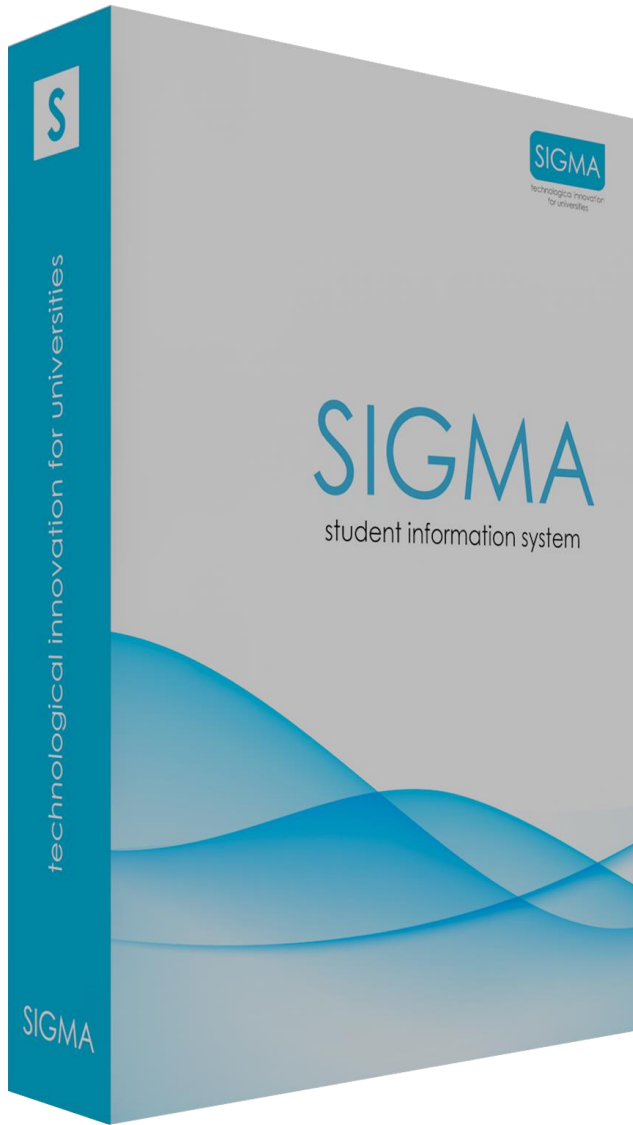
**Spain 1**

**Europe 76**

**World 176**







# Suite SIGMA SIS & L3

## Students Information System

### Students



Academic Student life cycle

Degree Master Doctorate

- Syllabus
- Recruitment
- Enrollment
- Grants
- Fees and Financials Integration
- Gradebook
- Mobility
- Degrees
- Mobile Apps

### Resources



Resource Planning

- Courses
- Teachers
- Spaces
- Timetables
- Allocations
- Learning Groups
- eLearning Virtual Campus
- Quality Surveys
- HR Integration

### Life long Learning



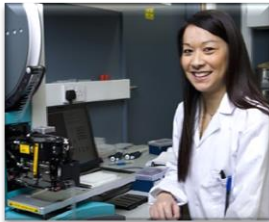
Specific Academic Student life cycle

Institution non official Postgraduate Programs

# Suite CRIS ARGOS

## Research Information System

### Management



- Calls and applications management
- Research grants
- Agreements and renewals
- Contracts & Patents
- R&D Projects
- Master data management

### Production



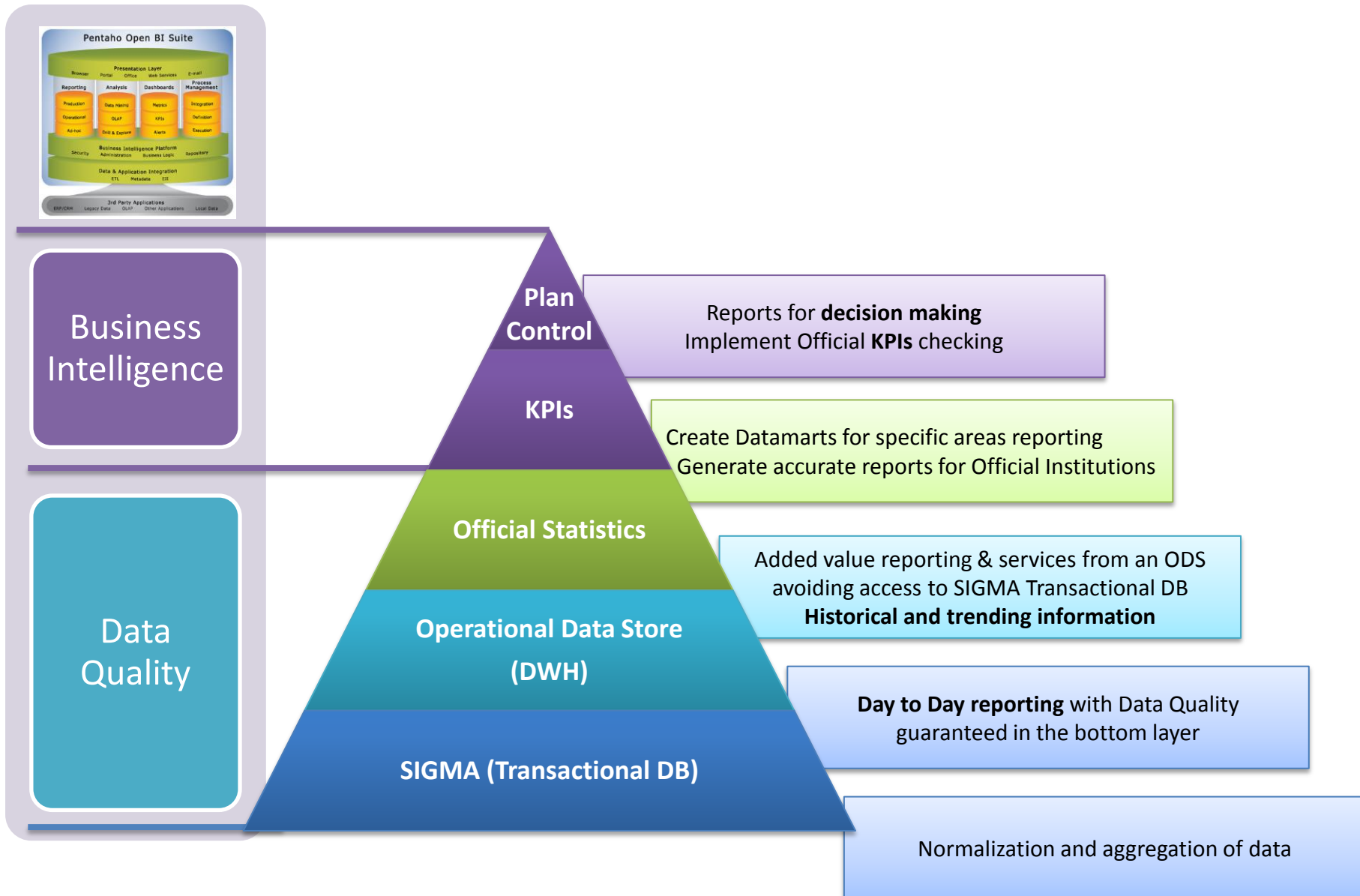
- Scientific production activity
  - Friendly Researcher front end
  - Back office Validation
- Curriculum management

### Promotion

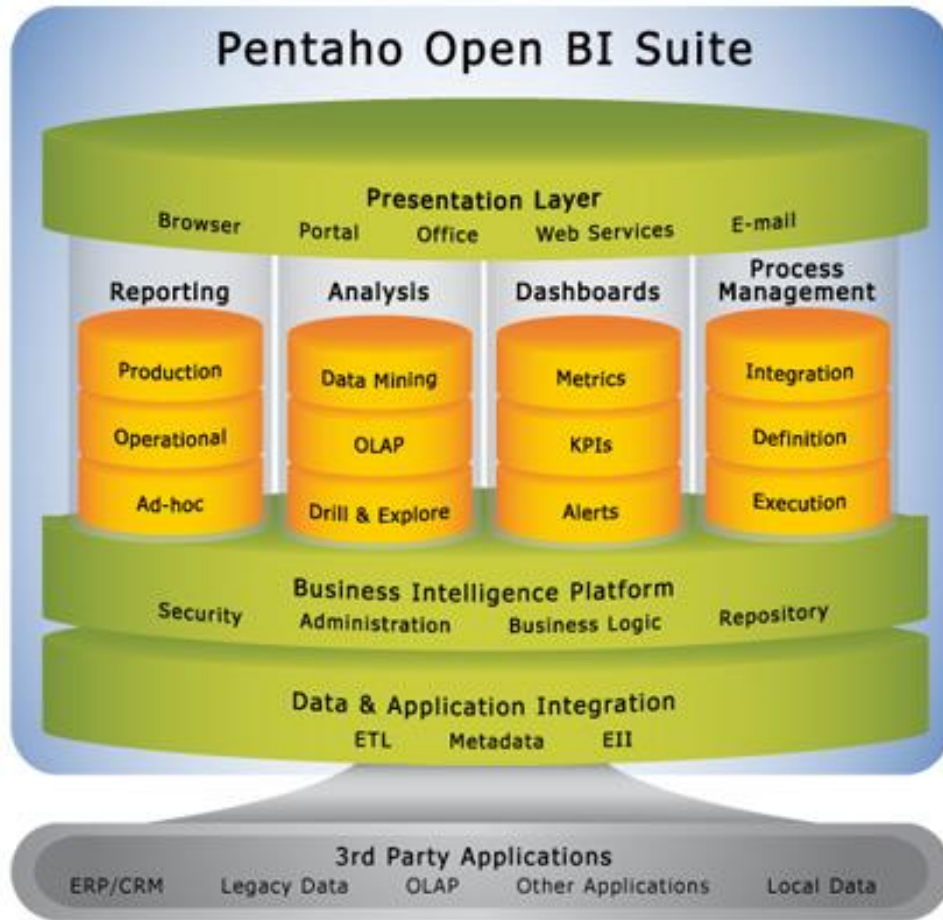


- Scientific production activity Portal
  - Powerful search engine
  - Annual Reporting
    - Institution
    - Groups & Departments
    - Researchers
    - Keywords
  - Integration with Libraries and other repositories (WOK, Scopus, ...)

# Institution Open Analytics



# Institution Open Analytics





# Mobile Social Apps

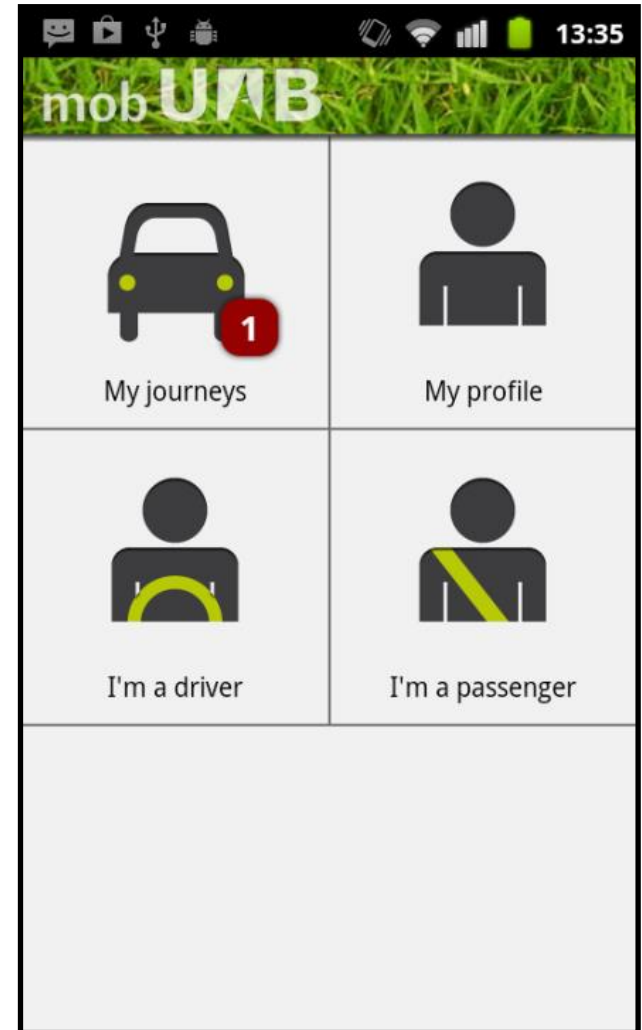
ios

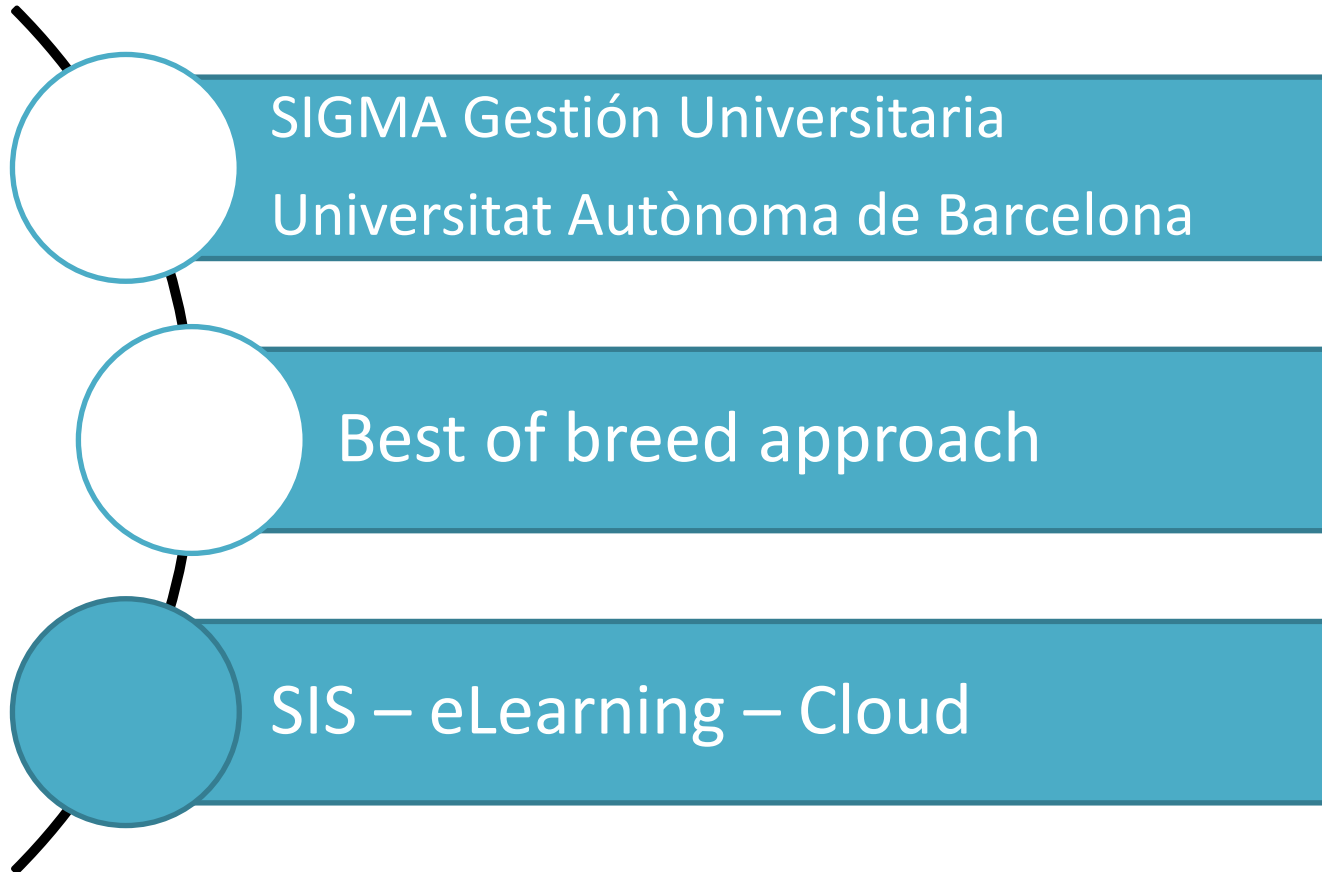


Transforming the students community into a social network, 13<sup>th</sup> June 12:00-12:30, ROOM 1

# Mobile Social Apps

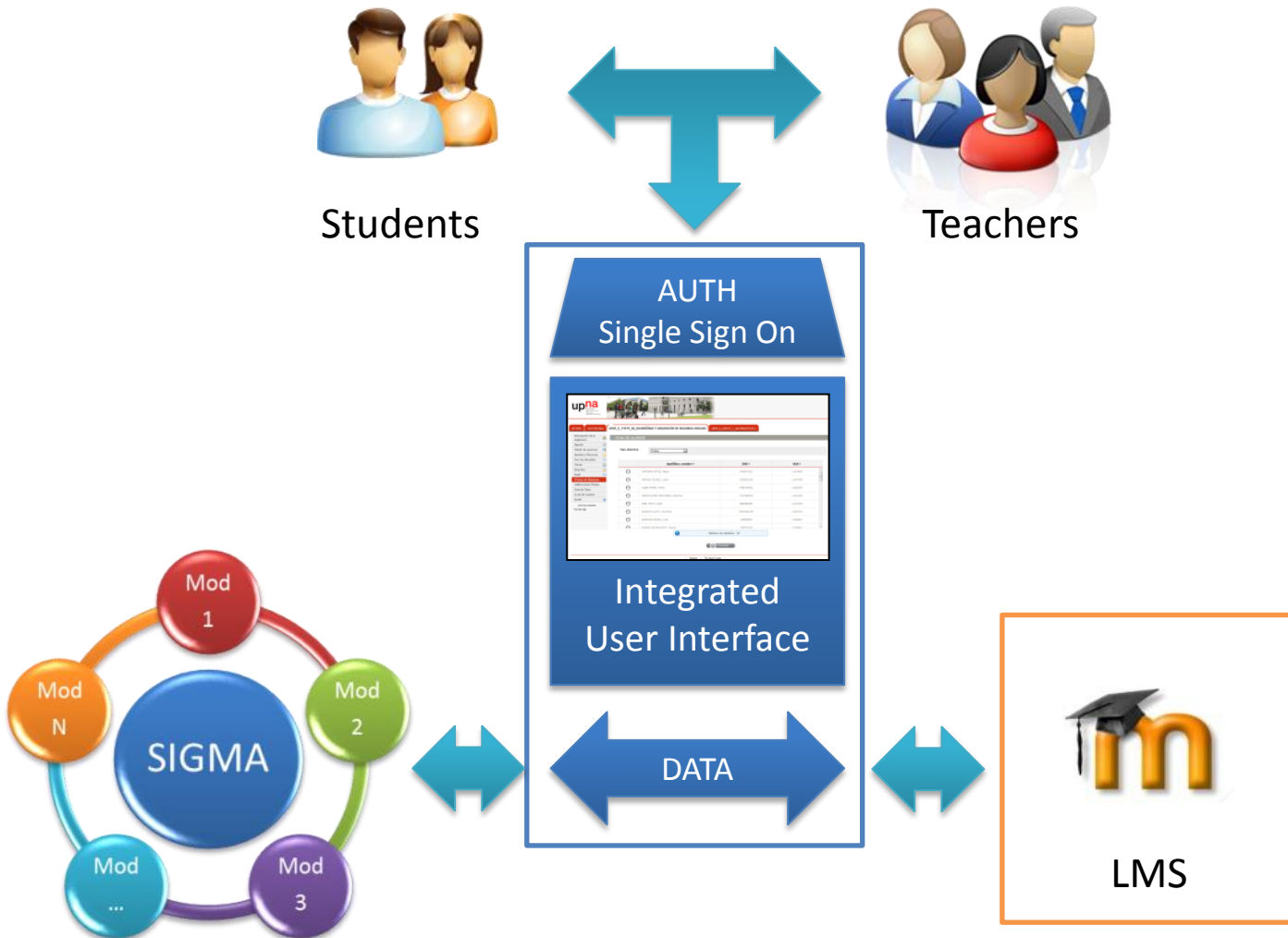
ios





# Integrating SIS with LMS

What we have now ...



**Encuestas Web SIGMA**  
Realizar Encuesta Web

**Personas**  
Participantes

**Actividades**  
Foros  
sigmatools

**Administración**  
Activar edición  
Configuración  
Asignar roles  
Calificaciones  
Grupos  
Copia de seguridad  
Restaurar  
Importar  
Reiniciar  
Informes  
Preguntas  
Archivos  
Desmatricular en SIGMA TOOL  
Perfil

**Buscar en los foros**  
Ir  
Búsqueda avanzada

**Diagrama de temas**

- Foro de Noticias
  - lista de clase
  - fichas de alumnos
  - Envio de calificaciones finales a Sigma (CDS)
  - actas

1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>

These are the SIGMA SIS blocks already integrated in the Moodle LMS screens through single sign on

**Noticias**

Agregar un nuevo tema...  
(Sin novedades aún)

**Eventos próximos**

No hay eventos próximos  
Ir al calendario...  
Nuevo evento...

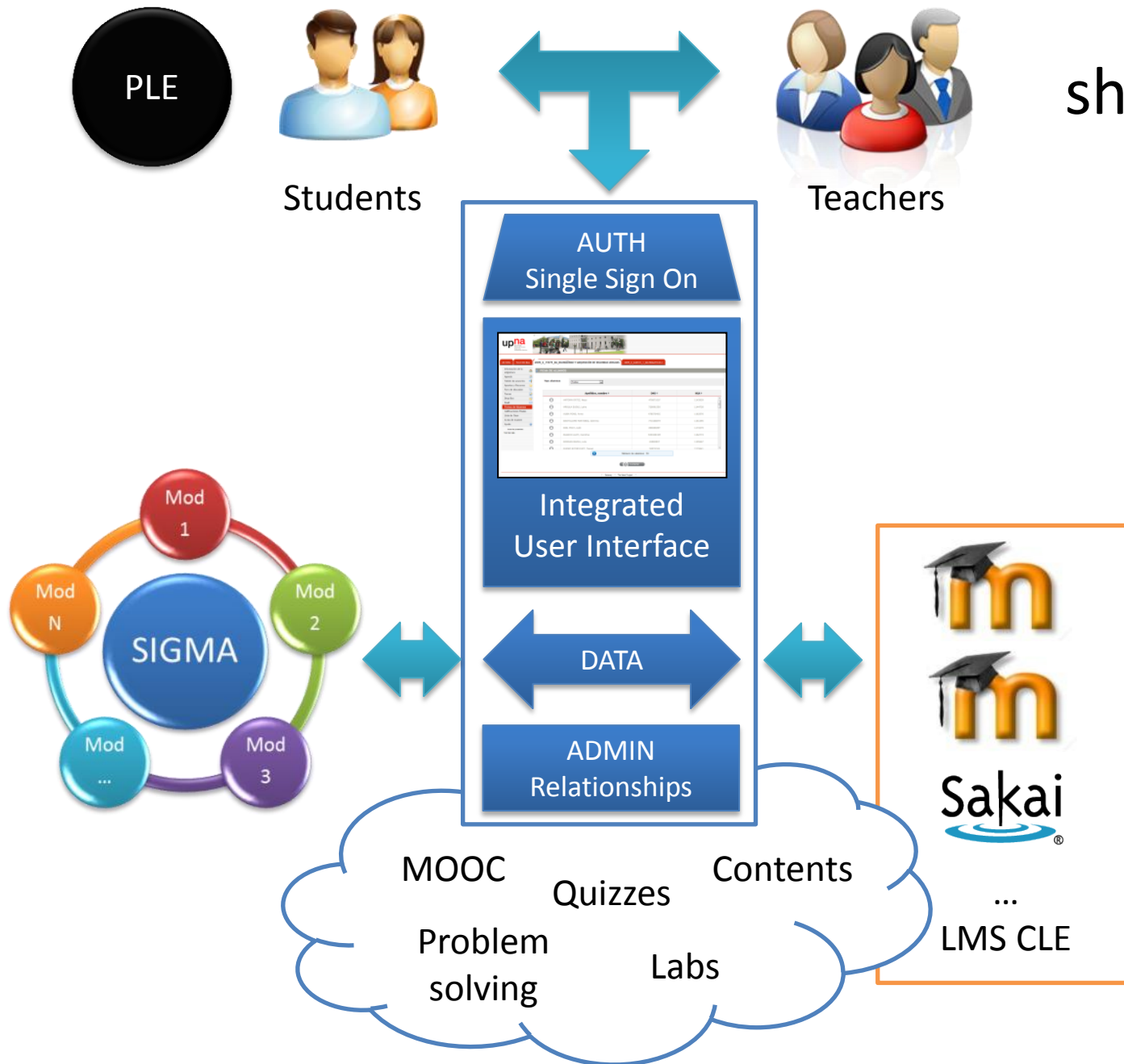
**Actividad reciente**

Actividad desde domingo, 9 de diciembre de 2012, 10:16  
Informe completo de la actividad reciente...  
Sin novedades desde el último acceso





# What we should have



WORLD

U.S.

N.Y. / REGION

BUSINESS

TECHNOLOGY

SCIENCE

HEALTH

SPORTS

OPINION

POLITICS EDUCATION TEXAS

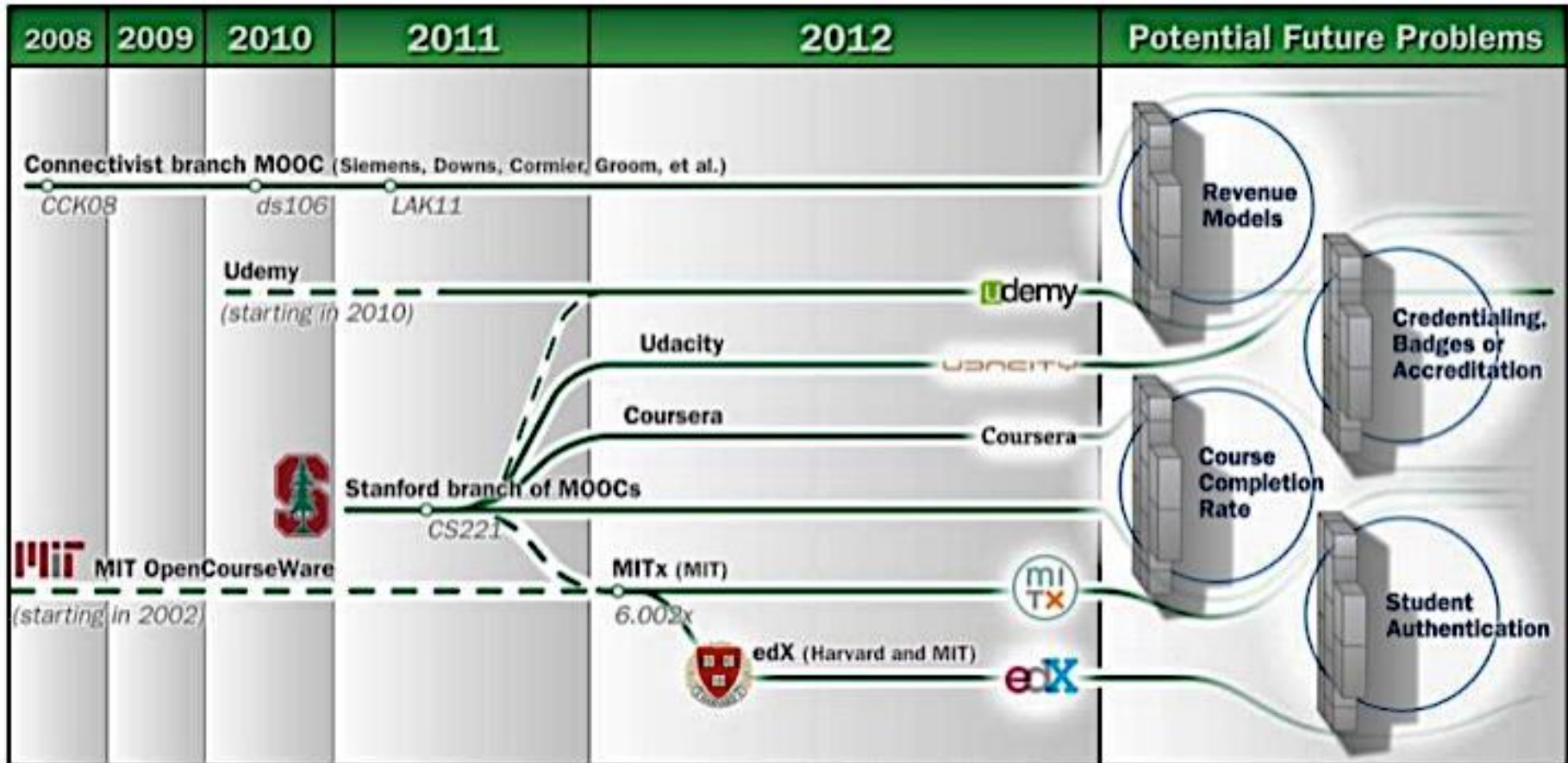
## Universities Reshaping Education on the Web



Ramin Rahimian for The New York Times

Daphne Koller and Andrew Ng of Stanford are adding 12 universities to Coursera, the online education venture they founded.

# Evolution and Challenges





# Technology trends in HE

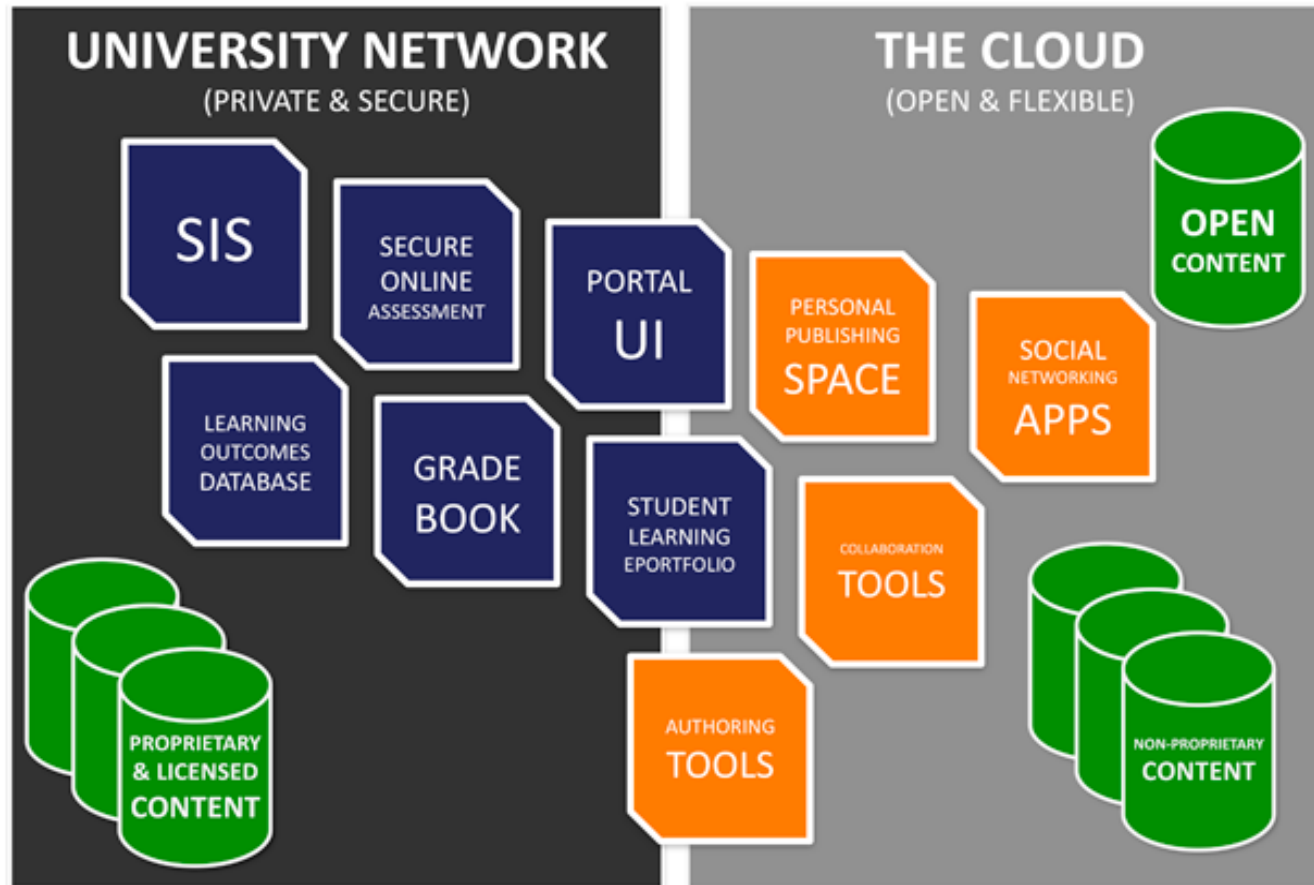
- Performance support
- Cloud increasing
- Open the “Tin Can” → Integrating experiences
  - Formal or Informal
  - Structured or Social
  - In the classroom, in the work place, ...
- “Social learning” emerging
- Removing the unnecessary (update and improve contents)
- “Content curation” (give value to the content)
- mLearning
  - Courses → Apps
    - Content → Experience
      - CAPS, Gamification, Simulators, ...





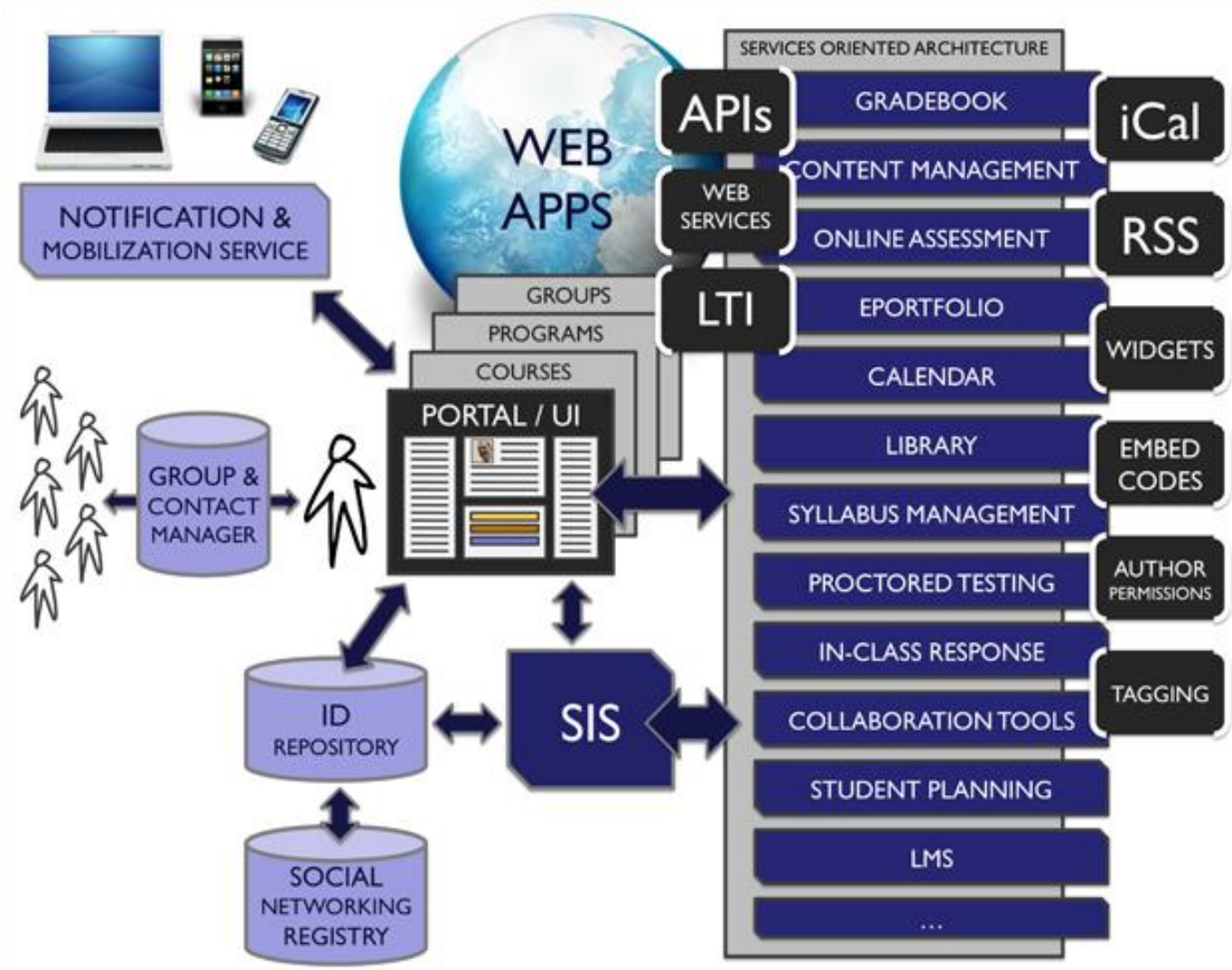
# Open Learning Network (OLN)

## Approach



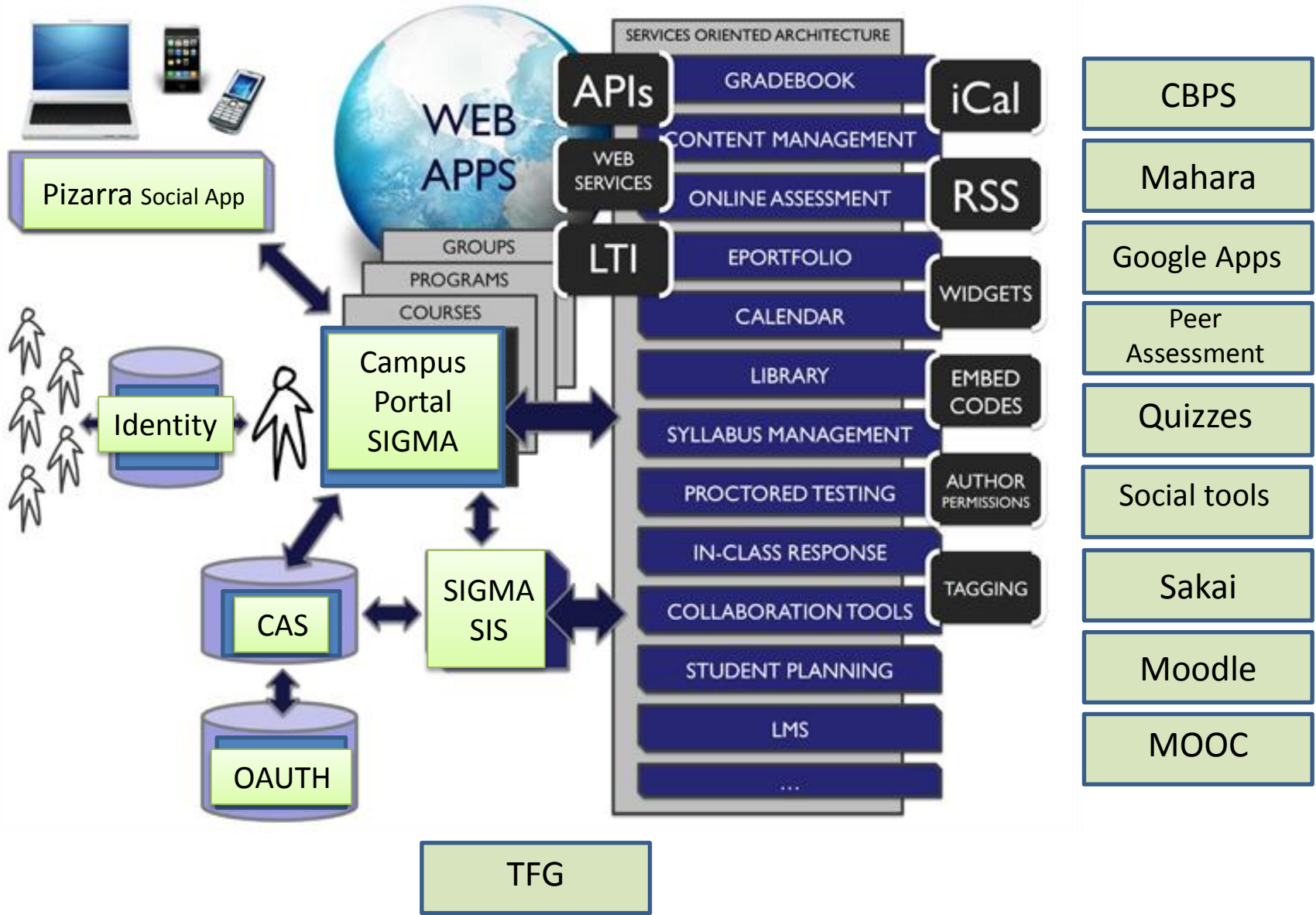
The OLN model connects private and secure corporate systems (Student Information System, Content Management, ...) to open and flexible tools and applications in the cloud (blogs, social networks, contents, ...) through a SOA

# Open Learning Network (OLN) Architecture



# Open Learning Network (OLN)

UAB - SIGMA



# Open Learning Network (OLN)

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- Mott, J. (2010). Envisioning the Post-LMS Era: The Open Learning Network. *Educause Quartely*, 33(1). Retrieved from: <http://www.educause.edu/ero/article/envisioning-post-lms-era-open-learning-network>
- Mott, J. And Wiley, D. (2009) “Open Learning: The CMS and the Open Learning Network”, In *education (open-access journal), Technology & Social Media (Special Issue, Part 1)*, December 2009, 15(2). Retrieved from: <http://www.ineducation.ca/article/open-learning-cms-and-open-learning-network>



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