SIGMA Gestión Universitaria

Research model in Spain

ARGOS Research Information System
SIGMA Gestión Universitaria is a non-profit consortium founded more than 15 years ago by some Spanish public universities.

Today, about 100 people within the company provide solutions to the universities for managing their administrative processes.

A common student and research information systems are the main suites developed and maintained.
Our community
Student Information System

SIGMA is now focused on tier 1 public universities in Spain (8 of 47, 17%)

SIGMA’s Student Information System is used by over 19% of total Spanish public universities students

Spanish market is completed by 22 private institutions (100k students) and 2 e-learning, public UNED (150k) and private UOC (40k)
Our community
Research Information System

• 3 SIGMA universities are involved in the so called ARGOS Research Information System project

• Information about more than 24,000 researchers through the years and over 8,000 researchers currently

• Euskal Herriko Unibertsitatea – Basque Country University is now implementing the Promotion Portal
Bologna Process adapted student record life cycle, from the first access until a degree is granted, both academics and fees fully managed

University resource planning with human resources, spaces and materials to optimize the learning activity in time & space

Institution owned postgraduate programs management in the context of Long Life Learning; from registration until a certificate of study is obtained, the publication of the training offer as well as the financial management

Institution research activity annual report, researchers curriculum vitae, as well as research projects management

Training management with a focus on competition from needs analysis to results evaluation through planning and carrying out training actions

Security identification, user profile grants, massive access control, smart card management, messaging, ... and everything that has to do with entities and people that are part of the university community
In 2000, the EU decided to create the ERA with the following intents:

To facilitate the mobility of researchers, where they could interact easily, working with world class infrastructures and networks.

To achieve the best research throughout Europe and coordinate the national and regional programmes to address great challenges together.

To develop strong links to partners all around the world, so that Europe can have benefit of the knowledge progress on a global scale, can contribute to the overall development and can take a leading role at international initiatives to solve global problems.

Since then SIGMA has focused his activities oriented to the ERA requirements in the ARGOS Research Project.
SIGMA Gestión Universitaria

Research model in Spain

ARGOS Research Information System
Government strategy and plans

**MICINN Spanish Government’s Science and Innovation Ministry**

- To define, manage and assess the national programs and the strategic actions of the National R+D+I Plan (Scientific Research, Development and Technological Innovation)
- To coordinate public institutions for research

**National Strategy for Science and Technology**

- To be the general goals and principles framework to elaborate the future National and Regionals R+D+I plans (2015 scenario), according the Government’s Law of Science

**National R+D+I Plan 2008-2011**

- To be the MICINN’s instrument to achieve the goals of the Government’s Law of Science and the ENCYT
- To define the Annual Work Program for calls, funds and priorities, for the short term execution of the National R+D+I Plan
Government entities

**FECYT  Spanish Foundation for Science and Technology**
- To communicate and promote scientific and technological advancements
- To transfer knowledge to business enterprises and society
- To define and integrate R+D+I metrics
- To manage the CVN Normalized Curriculum Vitae project

**ANECA  National Agency for Quality Assessment and Accreditation**
- To improve the quality of the higher education system (EHEA), assessing and certifying university degrees, programs, teaching staff and institutions
- *Member of ENQA European Association for QA in Higher Education*

**ANEP  National Agency for Evaluation and Foresight**
- To provide an objective and independent assessment to help to make decisions about funding scientific projects
- To guarantee the quality of the assessment but not to define nor to fund the scientific policies
SIGMA Gestión Universitaria

Research model in Spain

ARGOS Research Information System
ARGOS Research Management System
Project 2010-2012
ARGOS and the Research Life-Cycle

- Process modeling and standardization
- Flow of information and checks

- Scientific Production data entry in a collaborative environment for research projects and communities

Management

Production

Researchers

Promotion

Scientific Production Portal for transferring knowledge and communicating results
ARGOS Research Management System 2010-2012

MANAGEMENT
- Calls and proposal management
- Research grants
  - Grants
  - Places
  - Incorporations
  - Projects
  - Mobility
  - Attendance
  - Travel grants
- Contract management
- Agreement management and renewal
- Master data management
- Patent management

SCIENTIFIC PRODUCTION
- Calls management and requests
- Activity data entry
- CV generation (CVN and multiformat)
- Project management
- CVN import and export
- News and RSS
- Document management
- Business communication
- Wiki
- Project setup
- International database connections

PROMOTION
- Annual report
- Library repository connections
- CVN export
- Activity query by department, researcher or key word
- Productivity statistics
- Other database connections
- Marketing and viewing statistics
### Call management

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### General

- **Identifier**: 148
- **Entity**: MDC01
- **Program**: P/P
- **Title**: Becas y ayudas para la financiación de excavaciones arqueológicas al exterior.
- **Registry date**: 
- **End date**: 01/03/1999
- **Scope**: A.Aronnax
- **Periodic**: Decentralized

### Release

- **Means**: Official State newsletter
• **Normalized Curriculum Vitae CVN**
  - The R&D&I CVN is a strategic project to create a common space for integration and exchange of researcher’s curriculum information
    - To reinforce the public R+D+I system’s role in the knowledge generation process
    - To improve the visibility and communication of science and technology successes
    - To enhance the cooperation between state government and regions (CCAA)
    - To improve the PN R+D+I management and assessment
    - To promote the cooperation among the public R+D+I system entities
    - To strengthen the relationship between the business network and the public R+D+I system
ARGOS Research Information System
Production

- Professional status
  - Current professional situation
  - Previous situation
- Training received
  - Languages skills
- Teaching experience
  - Directing of doctoral thesis and projects
- Experience in Science and Technology
  - Scientific or technological activity
  - R+D+I non competitive projects
- Scientific Activities and General Techniques
  - Scientific production
    - Scientific and technical documents
    - Results presented in conferences
    - Participation in seminars
- Others credits
  - Residencies in R+D+I centers
  - Collection of other credits
Highly open source based development and deployment platform
- J2EE5 certified application server compliant
- Multi-tier and high performance proven open architecture
- Financial and HR systems connecting interfaces
To know more about ...

http://www.micinn.es/

http://www.fecyt.es/

https://cv.normalizado.org/

http://www.aneca.es/
www.gestionuniversitariasigma.com