CASE STUDY: THE UNIVERSITY CONSORTIUM

Growing up with the universities

Anna Guillaumet
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WHO WE ARE
SIGMA’S ORIGIN

Management difficulties
Group of universities with the same needs
Create IT solutions for optimizing management, minimizing costs

1996

Big idea:
Consortium Model
OUR MISSION:
HELPING UNIVERSITIES SUCCEED
OUR USERS

Universitat Autònoma de Barcelona
Universidad Autónoma de Madrid
Universidad de Burgos
Università di navigazione
UVa
Universitat de Vic
Universidad Carlos III de Madrid
Universidad Zaragoza
Universidad de Córdoba
Universitat Pompeu Fabra
Universitat Ramon Llull
Deusto
ELISAVA
EUI-Sant Pau
euss enginyeria
International Business
ESC&I
Universitat de Vic
Universitat Central de Catalunya
Fundació Pere Tarrés
ETI
Departament de Diseño i Art de Barcelona
Adscrit a la UAB
OUR OFFICES in Barcelona
OUR Employees meetings
OUR SOLUTIONS

SIGMA ACADEMIC
Integral solution 100% cloud for the whole lifecycle of academic management

SIGMA RESEARCH
Integral solution 100% cloud for the whole lifecycle of research management
SIGMA ACADEMIC

100% cloud integral solution for the whole academic lifecycle, from the very first step on the definition of the academic offer to the management processes of the student’s record.
100% cloud provides an answer to the challenges that universities and research centers have to face throughout the research lifecycle, from financing to the implementation process and after.
SIGMA
BY NUMBERS

22
Years of experience
In higher education management

11
Owned by relevant Spanish universities

+25,000
Researchers registered

+250,000
Student enrollments managed per year

+600,000
Scientific publications managed
SIGMA’s MODEL
BENEFITS

Adaptability
Our partners participate in the definition of the roadmap of our products.

Costs
The work consortium with the universities allows to save costs.

Better practices
With the joint work with the experts of the universities we assure the implantation of the "state-of-the-art" of the academic and research model.

Quick installation and integration
With proven experience. Our products are integrated with all types of systems, both internal and external.
FINANCING MODEL
SIGMA’s FINANCE

Universities → Annual Budget → SIGMA Non-profit org

Products and services for Academic and Research management
INTERNATIONAL
We actively participate with European organisations of Higher Education to improve the interoperability, spreading better practices and unifying processes according to international standards.
University consortium’s is a success model in Europe
COLLABORATIVE MODEL
SIGMA Committee
• Decision-making body
• Definition of the annual Roadmap.
• Roadmap Report.

Workgroups
• Definition of the requirements of all projects in the annual Roadmap.
• Follow-up of the projects development and tests.

Custom Projects
• Definition of requirements of a project for one or more institutions.
• Follow-up and test
Forming students through internships. To return to educative sector what they provided us.
SIGMA Learning Center, our training program contribute to the students’ formation and their integration into the job world.

- **461** Students
- **+130k** Training Hours
- **+30%** Scholarships
- **8.8** Satisfaction Rating
CREDOENTIALS
Our model and solutions have been recognized by the most important independent analysts in Spain and around the world.

SIGMA ranked in the Universo Penteo among the best solutions for academic management in Spain

Awarded or SaaS model and the mobility solution PIZARRA, as well as our SIGMA Learning Center as an example of Social Corporate Responsibility
OUR SOLUTIONS
Our solutions are used by more than 20 academic institutions in Spain
SIGMA RESEARCH 100% cloud integral solution for the whole research lifecycle.
**SIGMA RESEARCH HIGHLIGHTS**

*Collect data once, and then reuse it many times. Aseguramiento de la calidad del dato.*

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Collect data once, and then reuse it many times. Aseguramiento de la calidad del dato.
DisGeNET: a comprehensive platform integrating information on human disease-associated genes and variants

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The information about the genetic basis of human diseases lies at the heart of precision medicine and drug discovery. However, to realize its full potential to support these goals, several problems, such as fragmentation, heterogeneity, availability and different conceptualization of the data, must be overcome. To provide the community with a resource free of these hurdles, we have developed DisGeNET (http://www.disgenet.org), one of the largest available collections of genes and variants involved in human diseases. DisGeNET integrates data from expert curated repositories, GWAS catalogues, animal models and the scientific literature. DisGeNET data are homogeneously annotated with controlled vocabularies and community-driven ontologies. Additionally, several original metrics are provided to assist the prioritization of genotype-phenotype relationships. The information is accessible through a web interface, a Cytoscape App, an RDF SPARQL endpoint, scripts in several programming languages, and an R package. DisGeNET is a versatile platform that can be used for different research purposes including the investigation of the molecular underpinnings of specific human diseases and their comorbidities, the analysis of the properties of disease genes, the generation of hypothesis on drug therapeutic action and drug adverse effects, the validation of computationally predicted disease genes and the evaluation of text-mining methods performance.
THANKS FOR YOUR ATTENTION

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