



CASE STUDY: THE UNIVERSITY CONSORTIUM

Growing up with the universities

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WHO WE ARE

SIGMA'S ORIGIN



Management
difficulties



Group of universities
with the same needs



1996

Big idea:
Consortium Model



Create IT solutions
for optimizing
management,
minimizing costs

A hand holding a paper airplane against a blue-tinted background of a city skyline. The text is overlaid on the image.

OUR MISSION: HELPING UNIVERSITIES SUCCEED

OUR OWNERS



OUR USERS

UAB Universitat Autònoma de Barcelona

UAM Universidad Autónoma de Madrid

UNIVERSIDAD DE BURGOS

uc3m Universidad Carlos III de Madrid

UNIVERSIDAD DE CÓRDOBA

upf. Universitat Pompeu Fabra Barcelona

upna
Universitat Pública de Navarra
National Public University of Navarre

UVa

UVIC
UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL DE CATALUNYA

Universidad Zaragoza

UNED

Blanquerna
UNIVERSITAT RAMON LLULL

Deusto

ELISAVA

EUI-SANT PAU

euss
enginyeria

ESCI **upf.**
International Business

ESIMar **Plan de Salut MAR**
Barcelona

FUNDACIÓ PERE TARRÉS

UMANRESA
UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL DE CATALUNYA

IQS
PERSONA CIÈNCIA EMPRESA
UNIVERSITAT RAMON LLULL

LASALLE
center university

TecnoCampus

EINA EINA Centre Universitari de Disseny i Art de Barcelona Adscrit a la UAB

HELPING
UNIVERSITIES
SUCCEED

OUR
OFFICES in Barcelona

OUR TEAM



A large group of employees, mostly men, are seated in rows in a room with wood-paneled walls. They are all looking towards the left side of the frame, presumably towards a speaker. The employees are dressed in casual business attire, including polo shirts, button-down shirts, and t-shirts. Some are wearing glasses. The room has large windows on the left and a coat rack on the right. A blue square graphic is positioned above the text.

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

HELPING
UNIVERSITIES
SUCCEED



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.



SIGMA RESEARCH

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

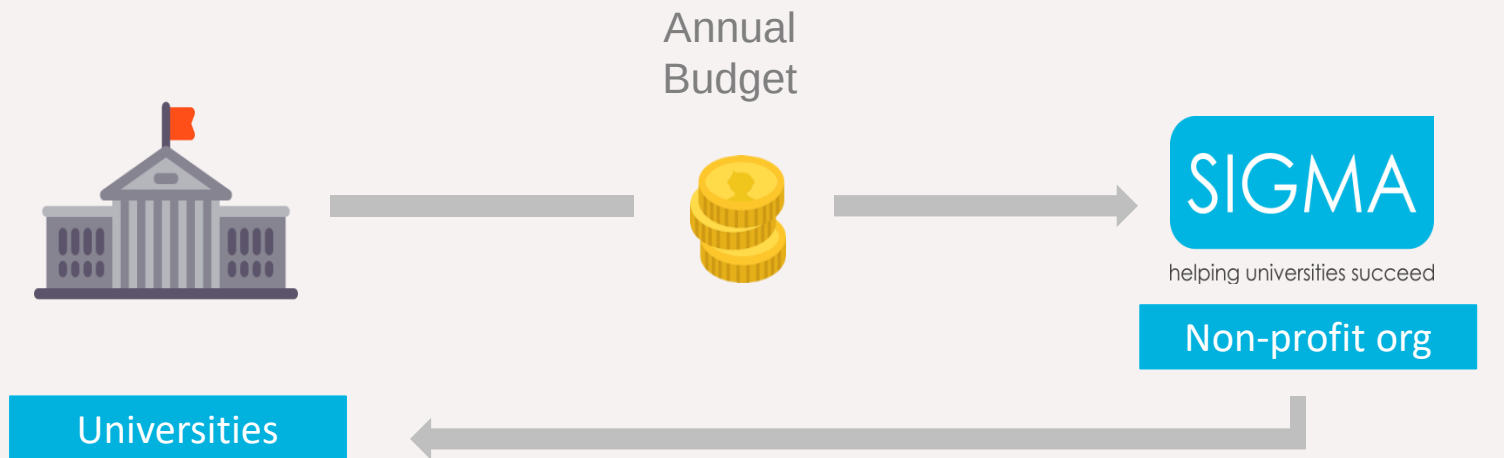
With proven experience. Our products are integrated with all types of systems, both internal and external.





FINANCING MODEL

SIGMA's FINANCE



Products and services for Academic and Research management



INTERNATIONAL

SIGMA's INTERNATIONAL APPROACH

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

COLLABORATION MODEL

SIGMA Committee

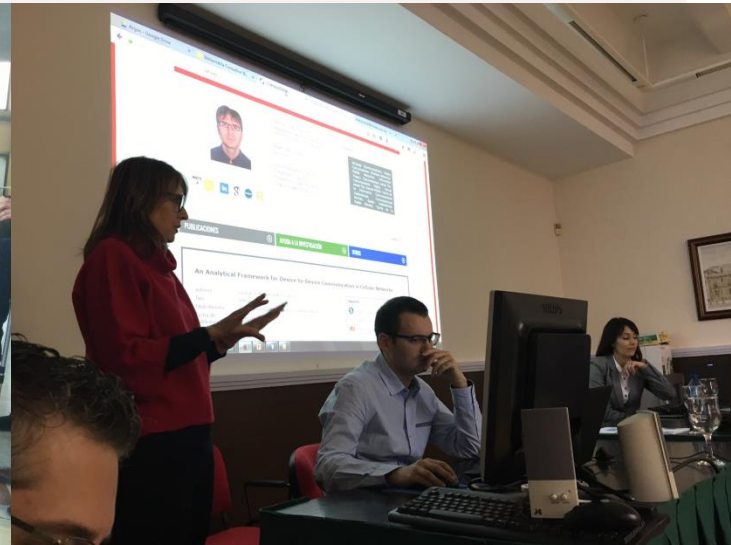
- Decision-making body
- Definition of the annual Roadmap.
- Roadmap Report.

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



COLLABORATION MODEL



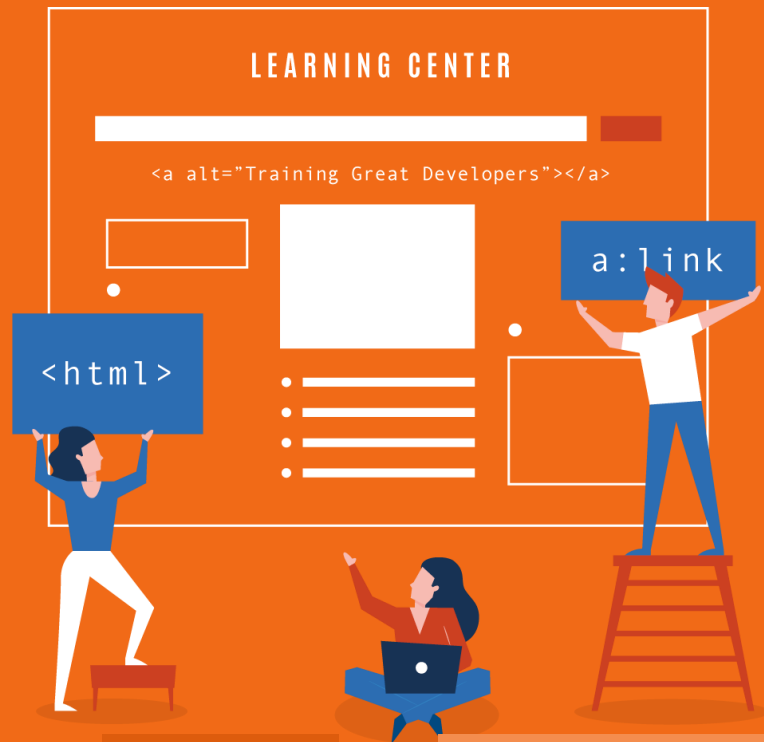


CORPORATE SOCIAL RESPONSIBILITY



LEARNING CENTER

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





CREDENTIALS



SIGMA's CREDENTIALS

Our model and solutions have been recognized by
the **most important independent analysts in Spain**
and around the world.

Penteco
Analista TIC

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

Gartner®

Awarded **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.*

Current research
information system
database (CRIS)

Standards
(CERIF, ORCID,
Casrai)

Automatic CV
management and
generation.

Projects

References import
from main
international
repositories

Research
groups
management

Public Finance
management

Bibliometrics,
altimétrics, evaluation
& analytics

Open Access

Scientific production

Contracts

Portals & Experts
guides

Scientific Production

Home • Search by research group

Biodiversity, Ecology, Technol

Overview

BETA Research Group as an emerging group working in the fields of ecology (aquatic and t research group that c recovery of waste, wa aquatic, sport from i associated ecological in across the value chain i conservation. The BE development of new te Catalonia, as is the foo optimization of produi environment. BETA Re areas, such as mana management of river w

Coordinator

PONSAS

PUBLICATIONS

Research lines

> Aquatic Ecology
> Biodiversity and
> Environmental I
> Technology and I

Members

BARNIOL NOGUER, NÚRI
BOYRORA, MERCE
BUSQUETS MONSÓ, ANN
CAMPRODON SUBIRACH
CAÑEDO-ARGUELLES IGI
CASAS ARCARONS, M. CA
COLON JORDA, JOAN
EGAS GALARZA, DANIEL
ESPINOSA-ANGONA, CARMEN

PUBLIC

Journal

DisGeNET: a comprehensive platform integrating information on human disease-associated genes and variants

Authors	Piñero J, Bravo A, Queralt-Rosinach N, Gutiérrez-Sacristán, Deu-Pons J, Centeno E, García-García J, Sanz F, Furlong LI
Authors UPF	SANZ, FERRAN; FURLONG, LAURA INÉS; BRAVO SERRANO, ALEX
Type	Article
Journal title	Nucleic Acids Research
Publication year	2017
Volume	45
Number	D1
Pages	833 - 839
ISSN	0305-1048
Publication status	Published

Abstract

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.

Complete citation

Piñero J, Bravo A, Queralt-Rosinach N, Gutiérrez-Sacristán, Deu-Pons J, Centeno E, García-García J, Sanz F, Furlong LI. DisGeNET: a comprehensive platform integrating information on

Export: [BioTex](#)

Bibliometric Indicators



Publication link

Full text

SIGMA RESEARCH EXAMPLES

**THANKS FOR YOUR
ATTENTION**

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