



SIGMA Gestión Universitaria is a non profit consortia founded in 1996 by some Spanish public universities in order to find solutions to their needs of managing academic, learning, research and organization processes.

The company focuses the development and support **VEGA Student information system** and **ARGOS Research management system.**

100 people within the company, 30 granted internship students.

Suite VEGA

Student information system

Suite ARGOS

Research 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

Long Life Learning



Specific Academic Student life cycle

Institution non official
Postgraduate Programs

Research



Institution Scientific Production Management

- Library or researcher data entry and validation
- Import from main repositories
- Research Activity Publication
- Researcher Curriculum
- Institution Annual Report
- Knowledge Transfer
- Grants and project management

Owners



Universidad
Carlos III de Madrid



UNIVERSIDAD DE CÓRDOBA



UNIVERSITAT
POMPEU FABRA



Universidad de Valladolid



Universidad
Zaragoza

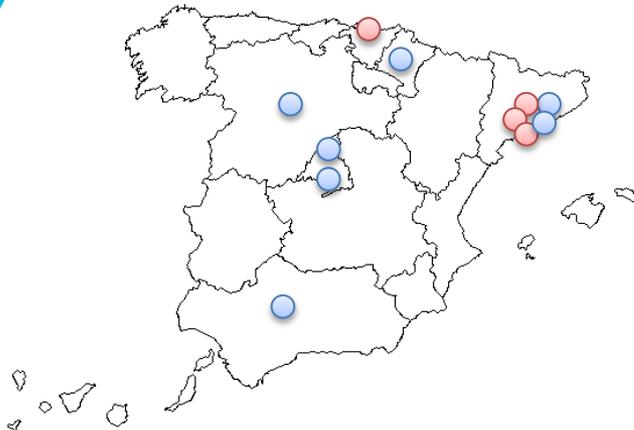


Universidad
Pública de Navarra
Nafarroako
Unibertsitate Publikoa

Customers



PERSONA CIENCIA EMPRESA
Universitat Ramon Llull



- SIGMA is focused on first level public universities in Spain (8 of 47, 17%)

- SIGMA SIS is used by 20% of total Spanish public universities students

- Information about more than 24.000 researchers over the years and about 8.000 researchers currently



RS3G Group (Rome Student Systems and Standards Group) → <http://www.rs3g.org>

Objective → Contribute to the procedures definition and the adoption of standards for data exchange which facilitate student mobility and lifelong learning

Project development of exchanging data mobility between higher education institutions via web-services

○ First development by MUCI (Poland)  & CINECA-KION (Italy) 

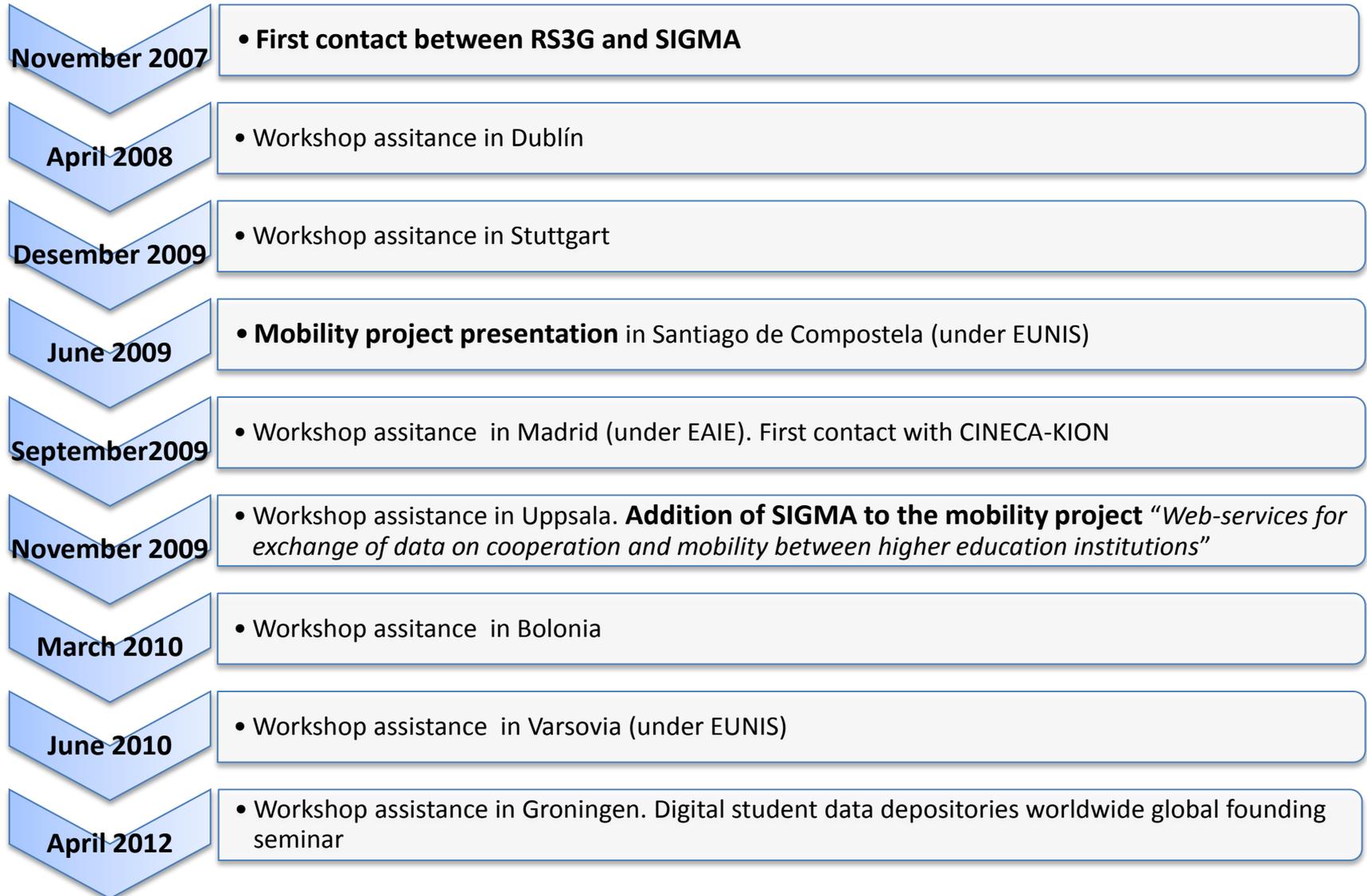
○ Aims

- Reduce paperwork (exchanging data via web-services)
- Automate process
- Secure and correct data
- Facilitate work at ORI
- **Become a European standard**

○ Main interested enterprises

- **SIGMA** → consortium of eight public Spanish universities bringing together the needs of data management and administrative procedures.
- **OODI** (Finland)
- **Ladok Consortium** → the LADOK system is owned by a consortium of 37 Swedish higher education institutions,
- **FS** → The National Student Database (FS). Is a computer system for administration of studies developed for universities and colleges in Norway
- **HIS** → HIS is an integral part of the German higher education system





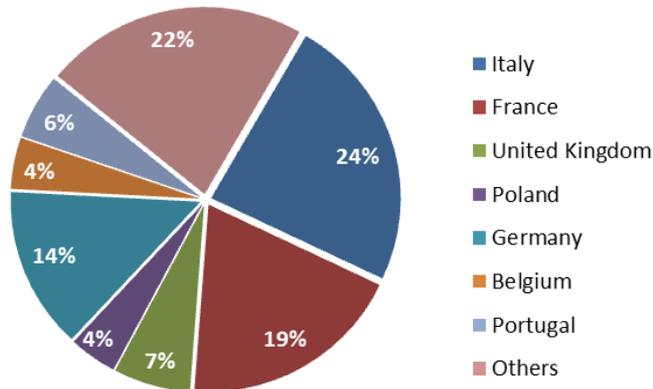
March 2011

- SIGMA organized the RS³G coding camp in Barcelona

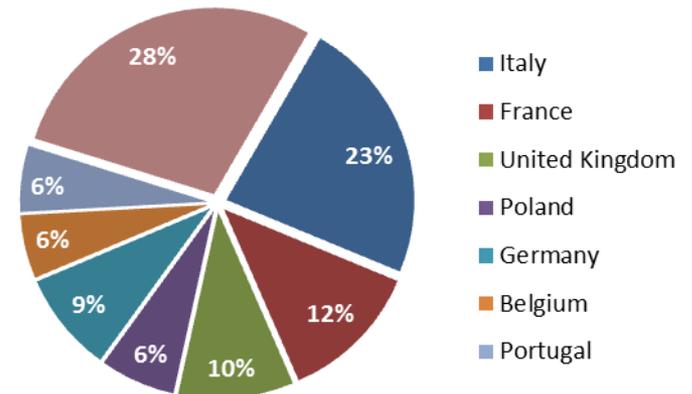


SIGMA is a Student Information System (SIS) used at Spanish universities that includes a module that manages mobility of the students, both incoming and outgoing

Incoming students -2011
 (UAB-UAM-UC3M-UPF-UZA-UPNA-UCO)



Outgoing students - 2011
 (UAB-UAM-UC3M-UPF-UZA-UPNA-UCO)



FULL COVERAGE OF FUNCTIONAL MOBILITY MANAGEMENT

AGREEMENTS

INCOMING

OUTGOING

REPORTS

National and international mobility

Self-service requests (*incoming/outgoing*)

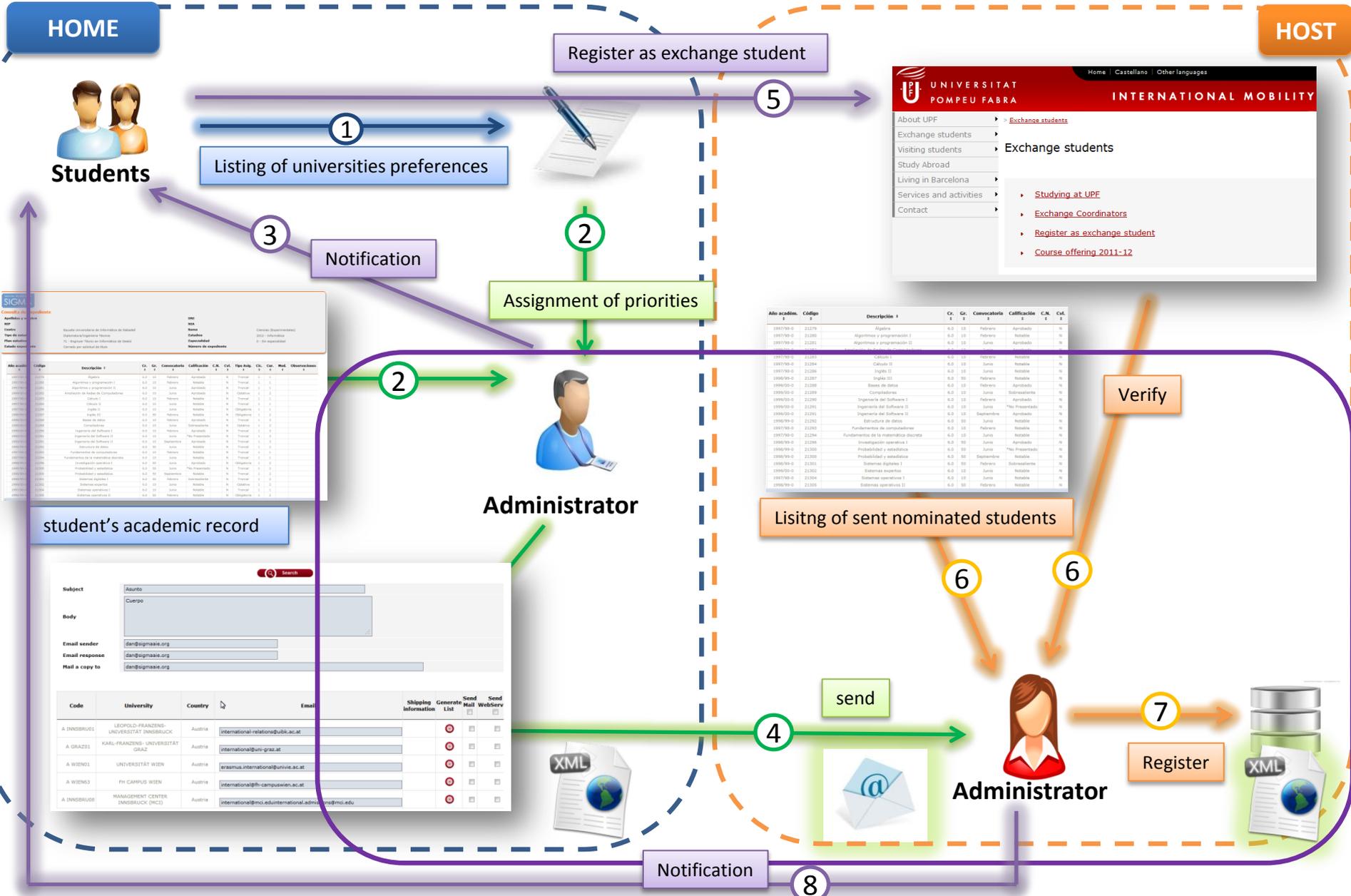
Offer publication

Self-service requests (*PDI/PAS*)

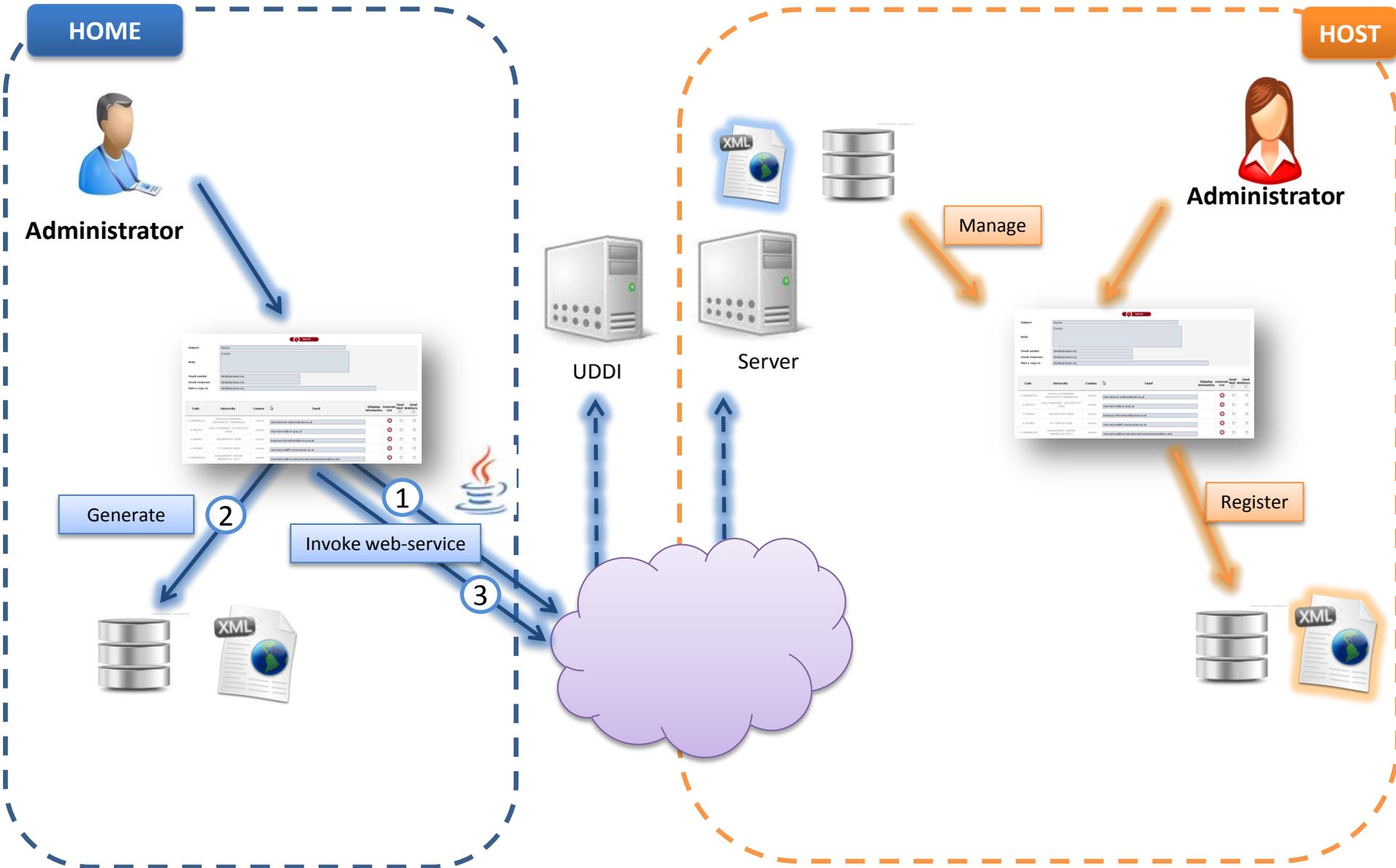
Integration with Academic management (*learning agreement* and enrollment)

PAYMENTS MANAGEMENT

Project Mobility aim



How Mobility Project Works ?



HOME send nominated students

Applications | null | null | ⏻ Disconnection
UNIVERSITAT POMPEU FABRA

Accessos User - Núria Cuní Profile : ACR3G Password : 0000

SUBMISSION OF NOMINATIONS

- ▼ Interchange programs
- ▶ Outgoing interchanges
- Incoming interchanges
- Bilateral agreements
- Global maintenance
- Payments management
- PDI Mobility
- Mobility for learning

Academic Year

Exchange Program

University

Country

🔍 Search

Subject

Body

Email sender

Email response

Mail a copy to

Code
University
Country
Email
Shipping information
Generate List
Send Mail
Send Webservice

HOST send nominated students

HOME

HOST

Administrator

UNIVERSITAS
VARSOVIENSIS

Code	University	Country	Host	Waiting	Accepted	Declined	Total
1	UNIVERSITAT POMPEU FABRA	Spain	univ@pompeu.fabra.cat	0	0	0	0
2	UNIVERSITAT DE VALÈNCIA	Spain	univ@uv.es	0	0	0	0
3	UNIVERSITAT DE BARCELONA	Spain	univ@ub.edu	0	0	0	0
4	UNIVERSITAT DE GIRONA	Spain	univ@udg.edu	0	0	0	0
5	UNIVERSITAT DE LEVANT	Spain	univ@ulv.es	0	0	0	0
6	UNIVERSITAT DE MURCIA	Spain	univ@um.es	0	0	0	0
7	UNIVERSITAT DE NAVARRA	Spain	univ@unav.es	0	0	0	0
8	UNIVERSITAT DE VALÈNCIA	Spain	univ@uv.es	0	0	0	0

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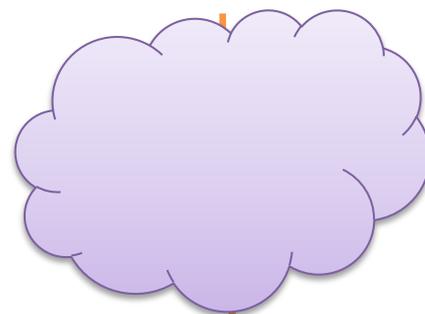
Administrator

Manage

Register

UDDI

Server



HOST send nominated students

Applications null null Disconnection

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RECEIPT OF NOMINATIONS

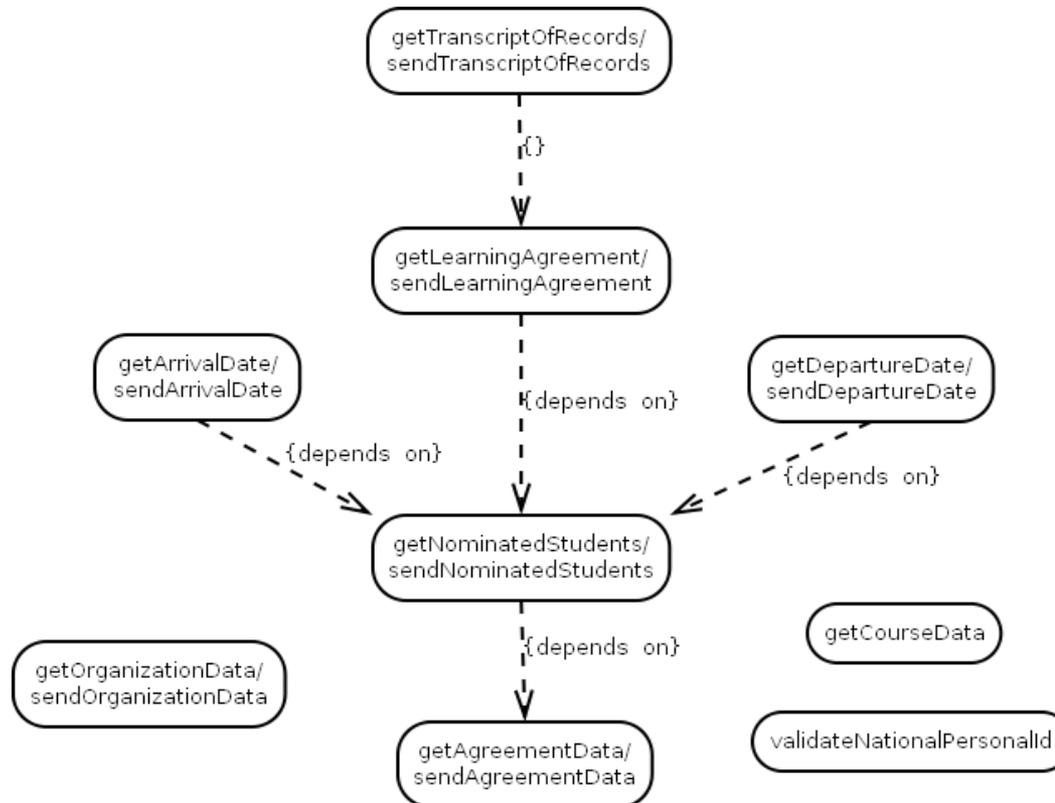
University Academic Year

Import

<input type="checkbox"/>	Name	Surname	Email	Phone
<input type="checkbox"/>	Janina	Mincer-Daszkievicz	m.kurzydowski@kion.com	+39 051 6111453
<input type="checkbox"/>	Michal	Kurzydowski	m.kurzydowski@kion.com	+39 051 6111449

Save

Prioritize the rest of the methods provided by the web-service
Implement the rest of the methods provided by the web-service



“The value of the project is directly proportional to the number of active participants”

