Modular and Extensible CRIS with SIIUE/R&D

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Summary

SIIUE
(Integrated Information System of the University of Évora) – IS (Information System)

SIIUE/R&D
(R&D module implemented in SIIUE) – IS/R&D

RDPC
(Digital Repository of Scientific Publications) – IR
(Institutional Repository)
The University of Évora

- university with over 450 years of history
- 2nd university established in Portugal
- is located in the city of Évora, World Heritage of Humanity since 1986
University of Évora and Research

How to Research is seen at the University of Évora?

- decisive factor in the differentiation of teaching and searching for new ways of interaction with outside community
- concern to deepen the relationship between Education, Research and Transfer of Knowledge
- focus on evaluating the quality of education (quality evaluation system of teaching accredited by A3ES - Assessment Agency of Higher Education in Portugal)

Which research units exists?

- IIFA (Institute for Advanced Education and Research)
- 3 chairs ("Rui Nabeiro - Biodiversity", “BES – Renewable Energies”, “UNESCO - Intangible Heritage and Traditional Know-How”), 20 research centers e 2 laboratory centers
- 13 research centers are classified as Good, Very Good or Excellent by FCT (Foundation for Science and Technology in Portugal).
• result of 14 years of work done by Informatics Services at the University of Évora

• referenced by the AMA (Portuguese Agency for Administrative Modernization) as an example of good practice.

• integrated information system, characterized by its modularity, extensibility and interoperability
Modularity

- **Information of Organic Structure** (schools, departments, research centers, other units, people / profiles, etc.)

- **Academic Services** (student applications and enrollment, teachers, courses, schedules, etc.)

- **R&D** (research projects, protocols, contracts, researchers, partner institutions, funding sources, domains / scientific areas, etc.)

- **Social Services**

- **Monitoring / Quality** (teachers evaluation, statistics and quality reports)

- **News and Events Management**

- **Eletronic Elections**

- **Surveys**

- **Management of Facilities and Services**
Extensibility
- implemented on Open Source frameworks
- following standards
- huge potential for new modules and features

Interoperability
- development based on an integrated development strategy
- enhances the interconnection with various external systems
- some working examples at the University: Document Management, Moodle, IR, Financial Execution, institutional portals
Modular and Extensible CRIS with SIIUE/R&D and IR

**IS/R&D**
- management of research information and knowledge transfer (research projects, protocols, contracts, partner institutions, funding sources, scientific areas)
- information is available in various profiles (teacher/researcher, school director, rectory, administration, etc)
- inherit modularity, extensibility and interoperability from IS

**IR**
- gathers scientific publications resulting from scientific work of researchers from the University
- **added to RCAAP** (Scientific Open Access Repository of Portugal), **integrated with DeGóis** (FCT platform for CV register) and interconnected with the module “Teachers Evaluation” in IS

- help and support the registration and monitoring of research work
- contribute to the decision support
- feed dissemination channels, web, mobile, etc
Timeline

SIIUE

1999
Course units

2003
Academics management
Organic structure

2007
New framework
New modules

2010
Module R&D

2012
Teachers evaluation module

SIIUE/R&D

2003
Projects, protocols and contracts
(Independently from SIIUE)

2004/2005
New framework
(Optimized and connected to SIIUE, via web services)

2010
Integrated into IS

IR

2008
Start into production

2009
RCAAP aggregation

2011
DeGois integration
(CV platform)

2012
Interconnection with teachers evaluation
Impact of SIIUE/R&D

Inside the University

- fundamental tool for the daily work of our Projects and Information Division
- knowledge and control of all stakeholders involved, persons, entities and institutions as well as the life cycle of R&D processes
- Horizon 2020 Program intensifies the need for "industrial leadership"
- indicators that can be used in the analysis and decision-making
- researchers are increased the seeking for information on their production and scientific work and monitor it

Interconnection with the outside community

- confidence in collaborative work between the University and the partner institutions
- generates new/future partnership opportunities
Statistics of Research Activities (1/3)

Significant increase in the number of articles published in international journals of reference
Statistics of Research Activities (2/3)

Presents a quite significant growth in the number of visits to its IR.
Statistics of Research Activities (3/3)

Significant increase of publications available on IR, with a large percentage of records in Open Access (even without theses of students which will begin to be available this year)
Visibility of University of Évora Research

Research at the University of Évora had an increase of national and international visibility in last years

Factors:

• RCAAP aggregation

• increase in publications available at the IR

• growth of articles in referenced/indexed journals

• projects undertaken by IIFA (IIFA portal and Kiosks)

• dissemination of R&D information in institutional portals

• dissemination actions undertaken by the Projects and Information Division
Visibility of University of Évora Research
Visibility of University of Évora Research

Projects Information in portal of Projects Information Division
Visibility of University of Évora Research

Projects information in portal of IIFA
Future Developments

- new ALUMNI module and new R&D features
- IS-IR integration extension
  - link between IR authors and IS researchers
  - IR publications references in IS
  - dissemination of that references in institutional portals
- improvement of scientific repository and its contents
- provide services on mobile platforms
- continued commitment to **quality, modularity, extensibility and interoperability** of the systems
Thank You!

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5th-7th February