

# Modular and Extensible CRIS with SIUE/R&D

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# Summary

## SIUE

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

## SIUE/R&D

(R&D module implemented in SIUE) – 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).

# SIUE (1/3)

- 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



# SIUE (2/3)

## 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**
- **Electronic Elections**
- **Surveys**
- **Management of Facilities and Services**



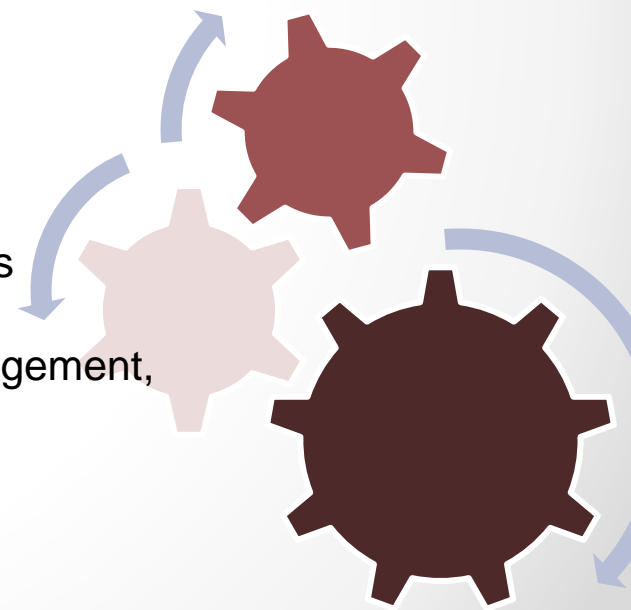
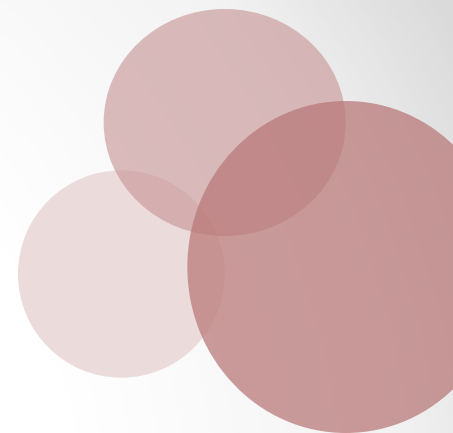
# SIUE (3/3)

## 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 SIUE/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**



## CRIS

## IS/R&D

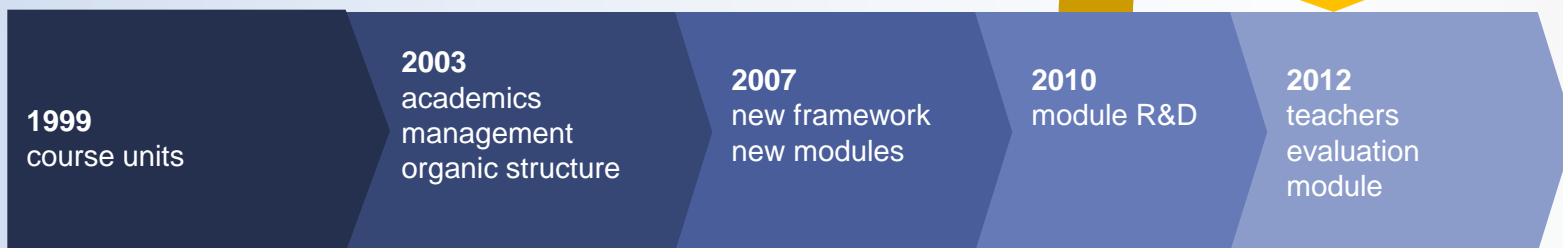
- help and support the registration and monitoring of research work
- contribute to the decision support
- feed dissemination channels, web, mobile, etc

## IR



# Timeline

## SIUE



R&D interconnection with Teachers Evaluation

## SIUE/R&D



## IR





# Impact of SIUE/R&D

## Inside the University

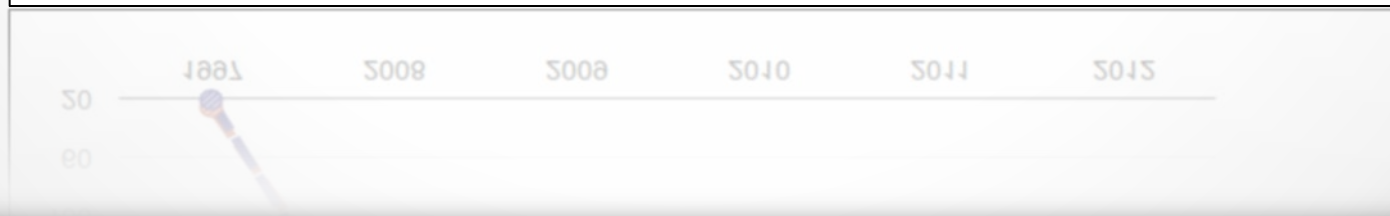
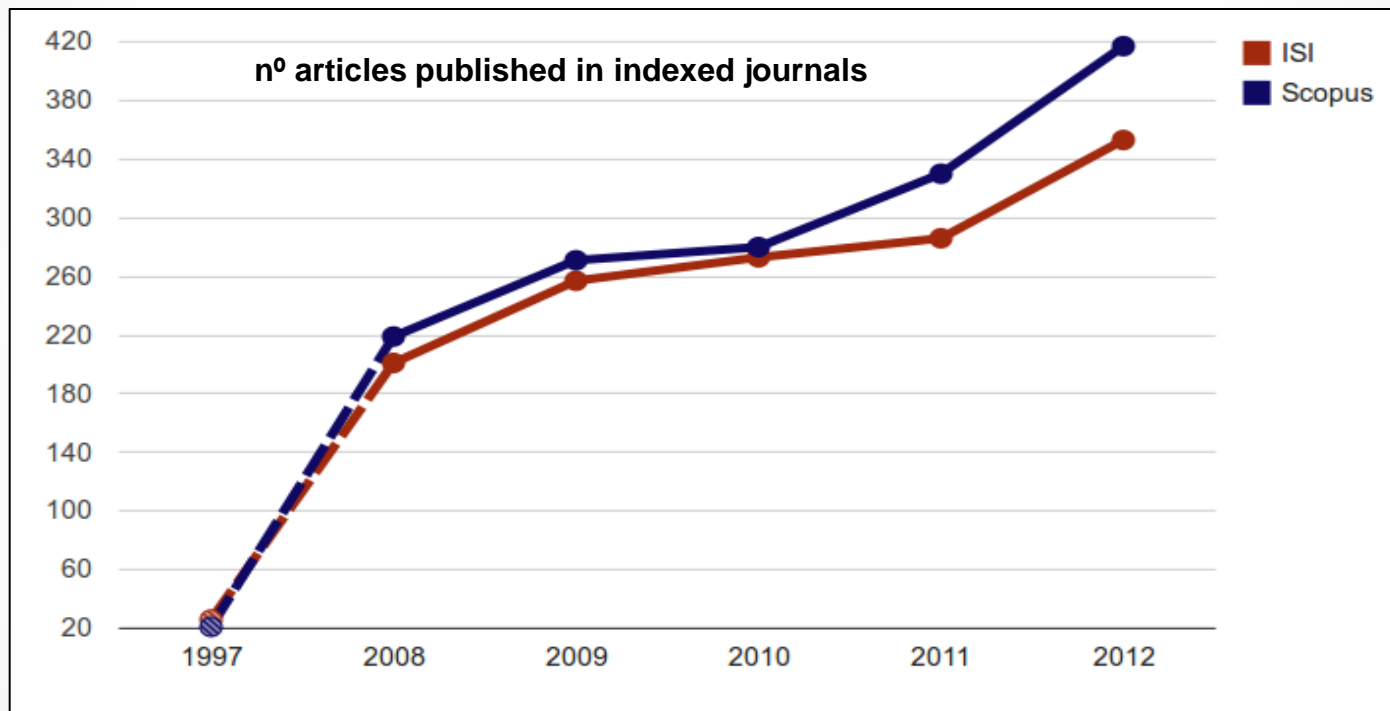
- fundamental tool for the daily work of our Projects and Information Division
- knowledge and control of all stakeholders involved, persons, entities and institutions as well as the life cycle of R&D processes
- Horizon 2020 Program intensifies the need for "industrial leadership"
- indicators that 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

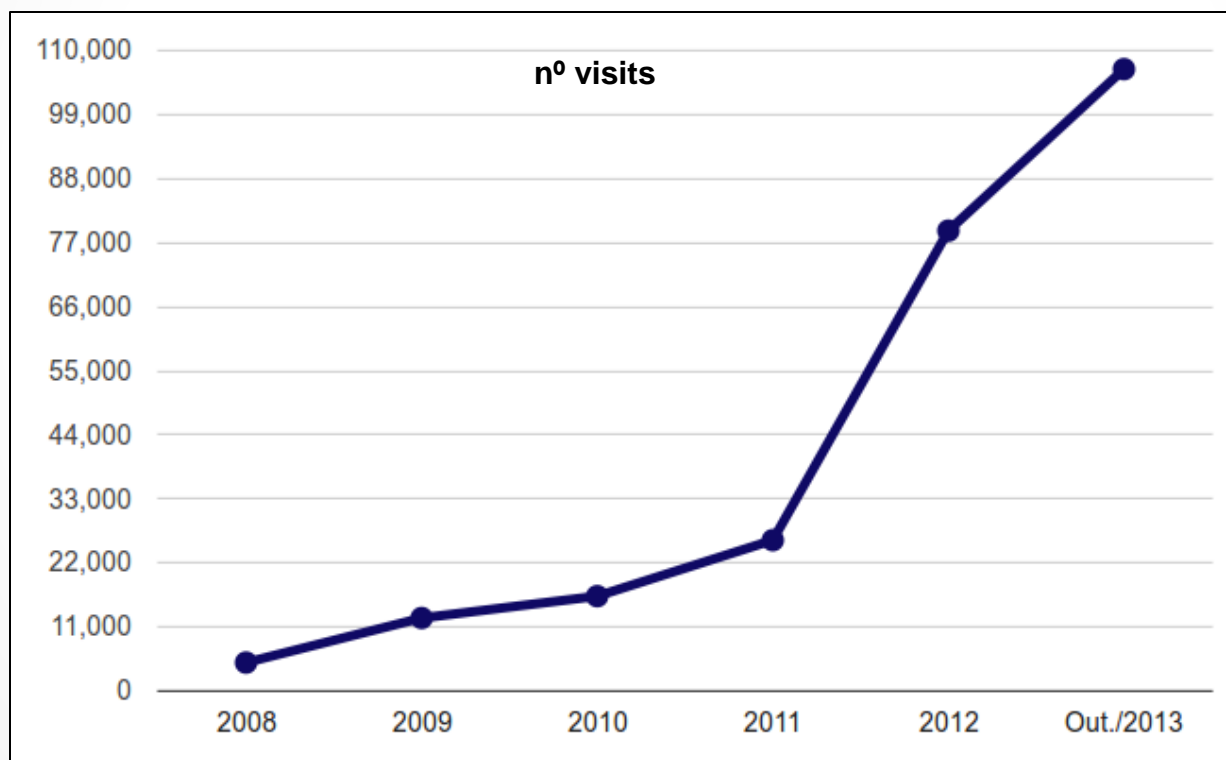
# Statistics of Research Activities(1/3)

Significant increase in the number of articles published in international journals of reference



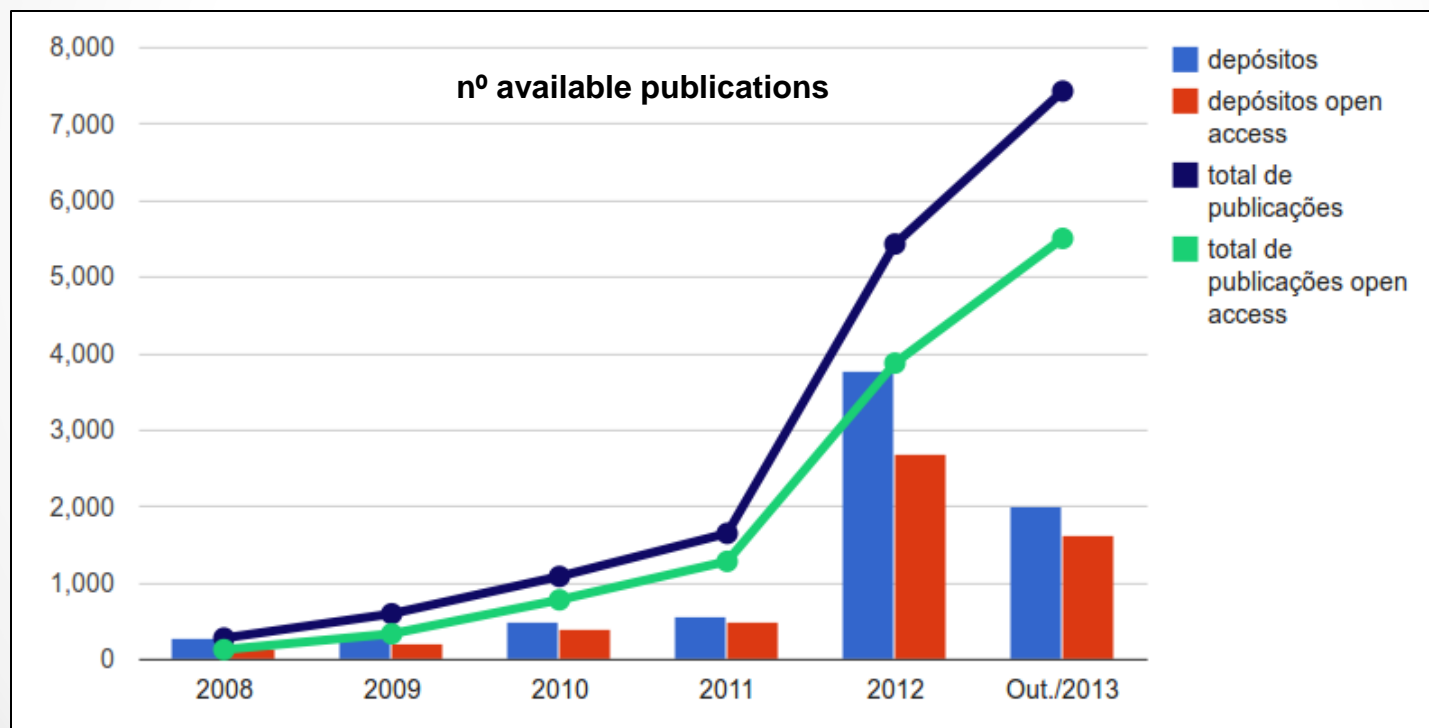
# Statistics of Research Activities (2/3)

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



Kiosk frontpage



Kiosk photo

# Visibility of University of Évora Research

## Projects Information in portal of Projects Information Division

The screenshot shows the website interface for the University of Évora's Projects Information Division. At the top, there is a header with the university logo and navigation links for 'PT | EN', 'Contactos', and a search bar. Below the header is a main navigation bar with tabs for 'DPI-UÉvora', 'I&D', 'Empresas/Cooperação', 'Notícias e Informações', and 'Documentos'. A dropdown menu is open under 'I&D', listing 'Projectos', 'Publicações Científicas da Universidade de Évora', 'Unidades de Investigação', 'Investigadores', 'Guia de Investigação', and 'Sistema de Informação'. The main content area features a news article titled 'ANJE promove Fórum Portugal Energy Power em Évora' with a date of '19-20-21 NOVEMBRO'. To the right, there are sections for 'Eventos' (listing conferences and networking events) and 'Candidaturas' (listing various contests and programs). The left sidebar contains several logos and links, including 'Repositório Digital de Publicações Científicas Universidade de Évora', 'Guia de Investigação', 'REDE INOVAR', 'atrevo.me', and 'RITECA'.



# Visibility of University of Évora Research

## Projects information in portal of IIFA

The screenshot shows the website of the Instituto de Investigação e Formação Avançada (IIFA) at the University of Évora. At the top left is the IIFA logo and name. To the right is a search bar and a list of links: 'contactos', 'localização', 'mapa do site', and 'pesquisa'. Below this is a horizontal navigation menu with links for 'SOBRE O IIFA', 'FORMAÇÃO AVANÇADA', 'INVESTIGAÇÃO', 'COOPERAÇÃO', 'DOCUMENTOS', 'INFORMAÇÕES', and 'GALERIA'. A dropdown menu is open under 'INVESTIGAÇÃO', listing 'Centros de Investigação', 'Cátedras', 'Projectos' (highlighted with a mouse cursor), 'Publicações RDPIC', and 'Publicações Scopus'. The main content area features a large dark blue graphic on the right and a headline: 'Avaliação e Financiamento de Unidades de I&D 2013'. Below the headline are three columns of news: 'NOTÍCIAS' with an article about a distinguished PhD, 'PRÓXIMOS EVENTOS' with an event on fish fauna and climate change, and 'PROVAS' with information about a mathematics program.



# 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!

Visit Évora and its University  
at

JORNADAS  
FCCN



5<sup>th</sup>-7<sup>th</sup> February