

# Hello CRIS, can a Library Software solution help you?

Rudi Baccarne



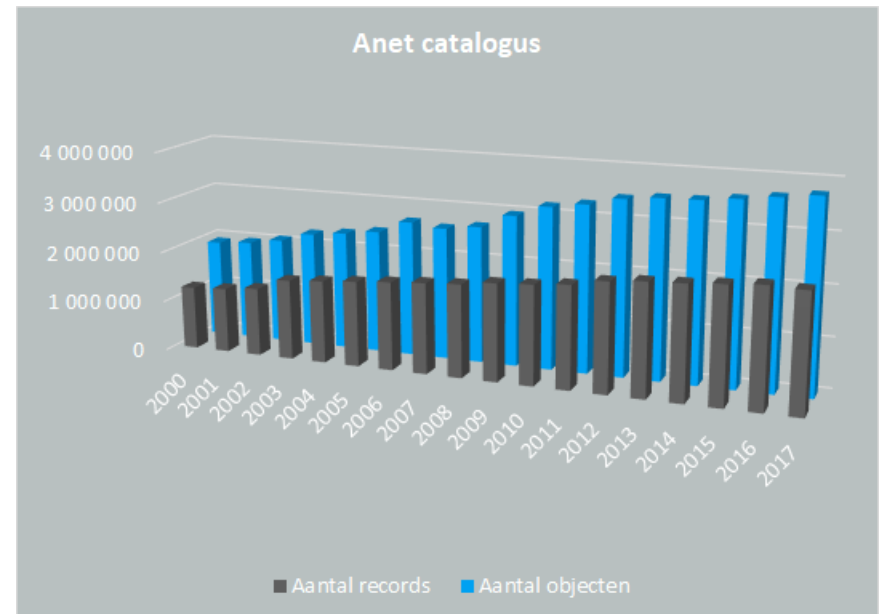
14th International Conference on Current Research Information  
Systems, CRIS2018, 13-16 June 2018, Umeå, Sweden

# Overview

- Anet, Brocade and Institutional Repository university of Antwerp
- CRIS, repositories and library systems
  - Organisational challenges
  - Technical challenges

# Anet

- Library automation team University of Antwerp
- Network of 28 scientific libraries using Brocade
  - Universities
  - University colleges
  - Museums
  - Archival institutions
  - Documentation centres



# Brocade

- Since 1998
- A fully integrated web-based Library Information Management System
- Developed by the University of Antwerp

## Brocade Library Services

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| <b>Original author(s)</b> | University of Antwerp                                                                |
| <b>Developer(s)</b>       | University of Antwerp, CiBLiS                                                        |
| <b>Initial release</b>    | 1 January 2000; 18 years ago                                                         |
| <b>Stable release</b>     | 4.30 / January 2018; 5 months ago                                                    |
| <b>Written in</b>         | Python, MUMPS                                                                        |
| <b>Operating system</b>   | Server: Linux, Sun Solaris<br>Client: Operating system independent (web application) |
| <b>Available in</b>       | Dutch, French, English, ...<br>see Features                                          |
| <b>Type</b>               | Library and Information science software                                             |
| <b>Licence</b>            | Proprietary Commercial software                                                      |

# Brocade

- A suite of applications tailored to the needs of libraries, documentation centres and archival institutions
- Easily to extend with features that support needs and services that go beyond the standard services of a library management software (IR's and CRIS)
  - Cataloguing
  - Authority Control and Thesaurus management
  - Circulation and patron management
  - Acquisition and subscription control
  - Electronic Resource Management (ERM)
  - Public catalogue
  - Institutional repository
  - MyLibrary
  - Digital platform
  - Archival descriptions
  - Helpdesk and Infodesk

# From academic bibliography to institutional repository/CRIS

1991-2008

- As of 1991 responsibility of university library
- VUBIS software – limited functionality
- Published as book until 1999
- Published as html since 1995
- Limited set of metadata

Year, title, author (authority record), language, journal, collation, generic publication types

No bibliographic numbers, no affiliations, ...

# Sample VUBIS record

1 Academic bibliography description [ 19703 ] 1

1 .year: 1998

2 .type: A

3 .language: E

4 .title: Arylene alkenylenes as chemiresistors in an electronic nose  
alf.positie: 1

5 .author: authority: 16878.1[Vanneste, E.] functie:

6 .author: authority: 8098.1[Wit, de, M.] functie:

7 .author: authority: 16886.1[Eyckmans, K.] functie:

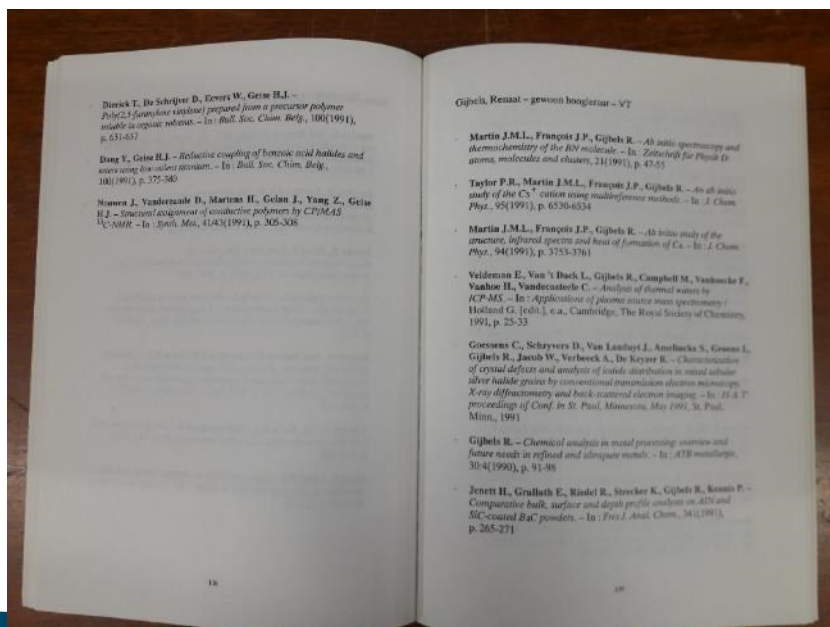
8 .author: authority: 412.2[Geise, H.J.] functie:

9 .Corporatie:

10 .In: in-title: Seminars in food analysis in-collat.: vol/jaar: 3(1998) in-pag.: 107-113

11 .Annota:

12 .location mark:



# From academic bibliography to institutional repository/CRIS

2008

- Conversion VUBIS records to Brocade
- Enrichment metadata
- Improvement of HTML pages
- Advanced reporting and export tools
- Synchronisation with Dspace repository

2012

- Automated refinement of classification types
- Helpdesk workflow

2013

- Dspace repository replaced by Brocade repository
- Automated import Web of Science publications

# From academic bibliography to institutional repository/CRIS

2014

- Open Access policy
- Integrating Bibliometric data (BOF weights, Impact Factors, Citations)
- API Web of Science to retrieve citations, doi, ...

2016

- OpenAire compliancy ~ project data
- Precise allocation research groups to publications

2017

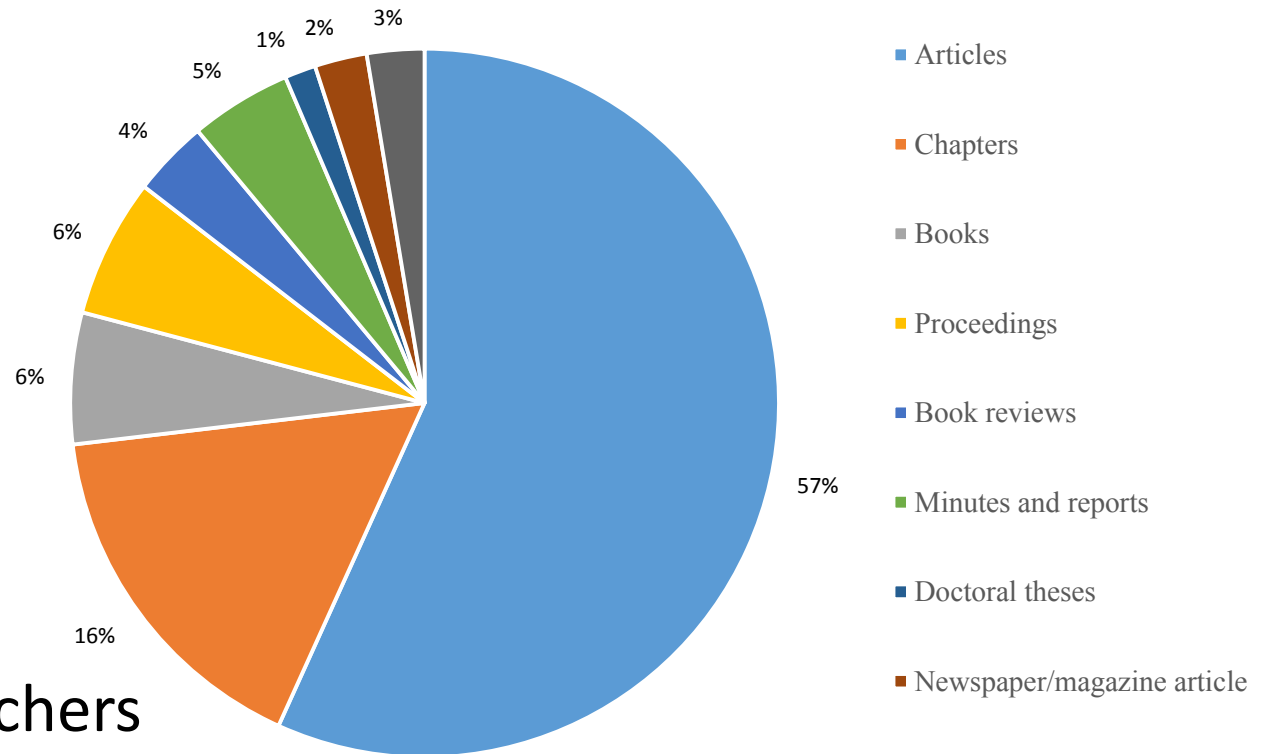
- Search Engine Optimization
- CERIF compliancy

2018

- ORCID

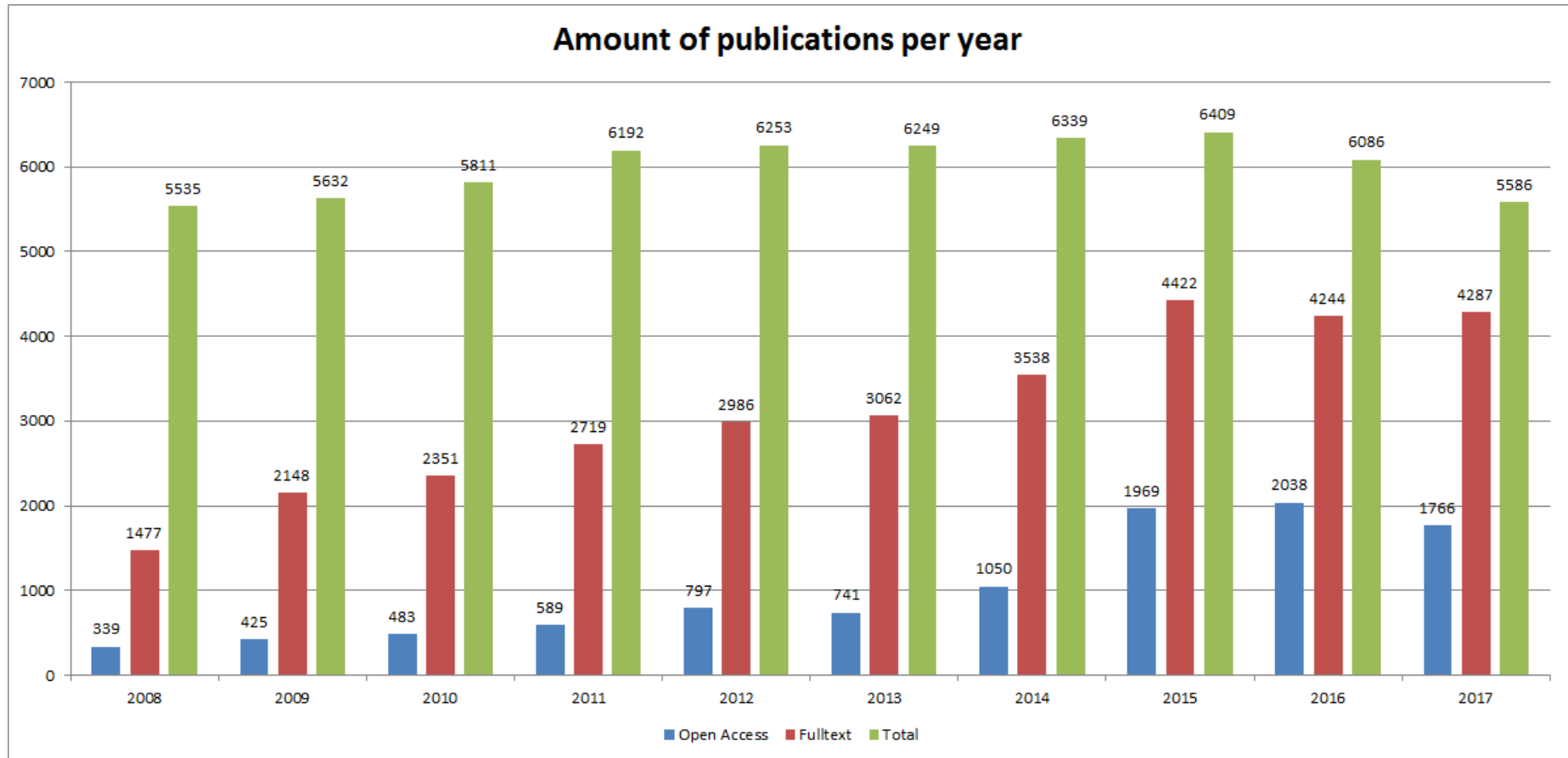
# Institutional repository : facts & figures

- 130,000 publications



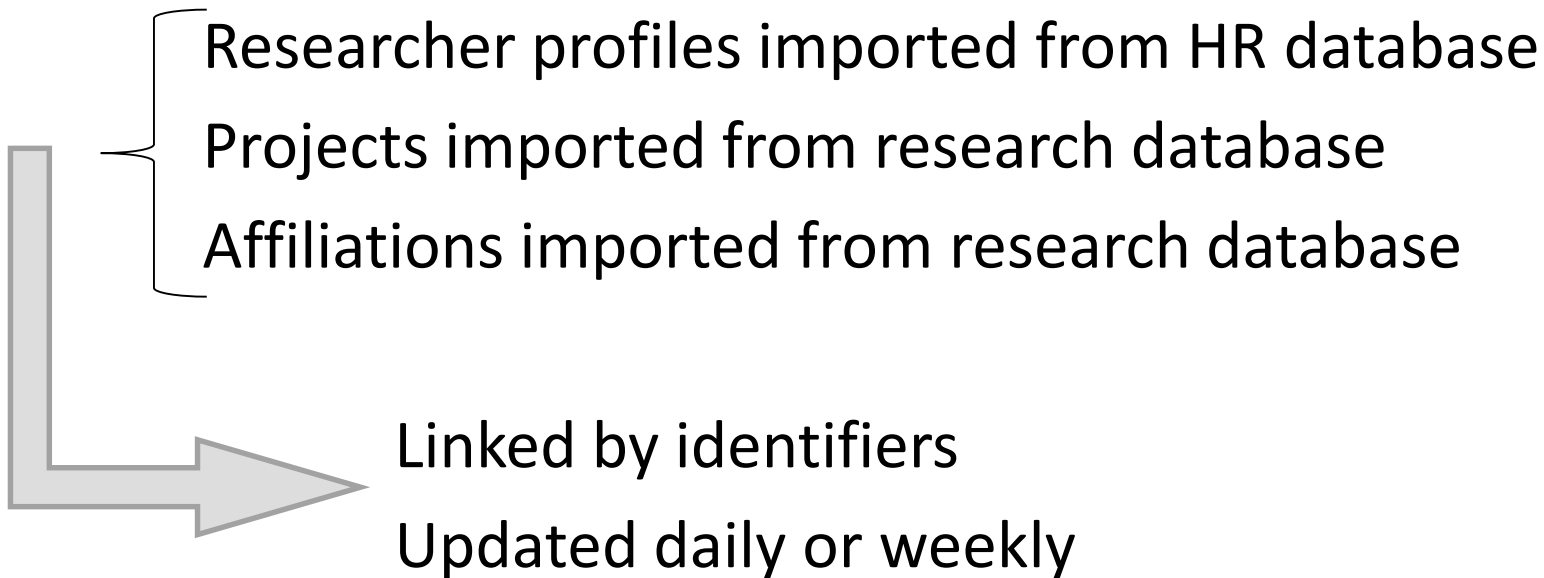
- 6500 researchers
- 17,000 projects
- 400 organisations

# Institutional repository : facts & figures



# Organisational challenges

- Legal framework
- In support of stakeholders
- Capture once, reuse often : in collaboration with other departments



# Legal framework

- Rules and regulations
  - Commission Academic Bibliography
  - Advisory role towards Research Council
- Maintenance is responsibility of university library
  - In narrow collaboration with research department
  - Metadata registration and quality control
  - Technical maintenance: keep up to date with repository technology, standards and protocols
  - Monitoring open access policy

# Policy instrument

- Fully integrated with e-cv
  - Used for promotions, evaluations and internal funding
- Source for external reports
  - Important for governmental funding
  - VABB ([www.ecoom.be/vabb](http://www.ecoom.be/vabb))
  - FRIS Research Portal (<https://researchportal.be/nl>)
  - Annual reports
- Export
  - FWO-MODS, VABB-MODS
  - ORCID
  - Reference management tools (RIS and COINS)
  - OAI-PMH (OpenAire, Base, ...)
  - CERIF-XML

Bibliografie

Help

Publicaties van deze auteur in repository

Toon co-auteurs

Toon statistisch overzicht

Exporteer

## Corthouts, Jan (41)

[repository.uantwerpen.be/acadbib/irua/03366/](https://repository.uantwerpen.be/acadbib/irua/03366/)

### Beperk overzicht tot

☒ Alle publicaties (41)

☒ Publicaties met UAntwerpen adres (37)

Jaar

### Deze auteur behoort tot faculteit

> Administratieve diensten

### Er zijn publicaties voor volgende jaren

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 2016 | 2015 | 2014 | 2011 | 2007 | 2004 | 2003 | 2001 | 2000 | 1999 | 1998 |
| 1997 | 1996 | 1995 | 1994 | 1993 | 1991 |      |      |      |      |      |

## 2016

### H2 HOOFDSTUK IN EEN BOEK

#### > Discovery services

**Corthouts Jan**

Wegwijzer voor bibliotheken en documentatiecentra / Storms, Marc [edit.]; Broeck, van den, Peter [edit.]; Bruyne, de, Denis [edit.] - ISSN 1783-5453 - 2016, p. 42:60-42:76  
[c:irua:140073]

## 2015

### A2 TIJDSCHRIFTARTIKEL

#### > Brocade, 15 jaar

**Corthouts Jan**, Philips Richard, Noordermeer Trudi, Hendrickx Julie [medewerker]

Meta : tijdschrift voor bibliotheek & archief / VVBAD - ISSN 2033-639X - 7(2015), p. 15-18  
[c:irua:128024]

## 2014

## UAntwerpen

|                    |                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Faculty/Department | Faculty of Sciences. Biology                                                                                                                                                                |
| Research group     | Plant and Ecosystems (PLECO)                                                                                                                                                                |
| Project info       | System analysis of a bio-energy plantation: full greenhouse gas balance and energy accounting. (POPFULL)<br>ICOS Flanders: Ecosystem Infrastructure for Integrated Carbon Observing System. |
| Publication type   | A1 Journal article                                                                                                                                                                          |
| Subject            | Biology                                                                                                                                                                                     |
| Affiliation        | Publications with a UAntwerp address                                                                                                                                                        |

## External links

|                |                                                          |
|----------------|----------------------------------------------------------|
| Web of Science | <a href="#">View record in Web of Science®</a>           |
|                | <a href="#">View citing articles in Web of Science®</a>  |
|                | <a href="#">View Related Records® in Web of Science®</a> |

## Record

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| Identification         | c:irua:125751                                                                                                 |
| Creation               | 26.05.2015                                                                                                    |
| Last edited            | 11.06.2018                                                                                                    |
| To cite this reference | <a href="http://hdl.handle.net/10067/1257510151162165141">http://hdl.handle.net/10067/1257510151162165141</a> |

# In support of research groups

- Daily xml import of university organigram
- Staff and affiliation id's used for linking groups and publications
- Translated to browse interface for repository
  - Alphabetically
  - Hierarchical
- Overview and counting of publications



| Authors A-Z | Faculties A-Z | Research Groups A-Z | My bibliography |
|-------------|---------------|---------------------|-----------------|
|-------------|---------------|---------------------|-----------------|

- > **Faculty of Pharmaceutical, Biomedical and Veterinary Sciences**
  - > Department of Biomedical Sciences
    - > Bio-Imaging lab
    - > Cognitive Genetics (COGNET)
    - > Human molecular genetics
    - > Laboratory for Microbiology, Parasitology and Hygiene
    - > Medical genetics of obesity and skeletal disorders (MGI)
    - > Molecular biophysics, physiology and pharmacology
    - > Neurochemistry and behaviour
    - > Pathophysiology
    - > Peripheral Neuropathies Group
    - > Proteinchemistry, proteomics and epigenetic signalling
    - > Theoretical neurobiology
    - > VIB CMN - Molecular Neurogenomics
    - > VIB CMN - Neurodegenerative Brain Diseases Group
    - > VIB CMN - Neurogenetics Group
    - > VIB CMN - Translational Neurobiology
  - > Department of Pharmaceutical Sciences
    - > Laboratory of Pharmaceutical Technology and Biopharmaceutics
    - > Medical Biochemistry
    - > Medicinal Chemistry (UAMC)
    - > Natural Products and Food - Research and Analysis (NPFAR)
    - > Physiopharmacology (PHYSPHAR)
    - > Toxicological Centre
  - > Department of Veterinary Sciences
    - > Applied veterinary morphology
    - > Laboratory of cell biology and histology
    - > Veterinary physiology and biochemistry
- > **Faculty of Science**
  - > Department of Bioengineering



Institutional Repository

Authors A-Z

Faculties A-Z

Research Groups A-Z

My bibliography

Nederlands

## Publication Type

A1 Journal article (618)  
 A3 Journal article (71)  
 H3 Book chapter (11)  
 P3 Proceeding (10)  
 Doctoral thesis (9)  
 H1 Book chapter (8)  
 Editorial (6)  
 L1 Letter to the editor (6)  
 H2 Book chapter (2)  
 Minutes and reports (1)

[More](#)

## Year

2018 (16)  
 2017 (45)  
 2016 (41)  
 2015 (34)  
 2014 (29)  
 2013 (38)  
 2012 (29)  
 2011 (30)  
 2010 (24)  
 2009 (29)

[More](#)

## VABB

[VABB \(not Web of Science\) \(1\)](#)

## UAntwerpen

[Publications with a UAntwerp address \(735\)](#)

### ☐ **The auxin-regulated CrRLK1L kinase ERULUS controls cell wall composition during root hair tip growth**

Schoenaers Sébastien, Balcerowicz Daria, Breen Gordon, Hill Kristine, Zdanio Malgorzata, Mouille Grégory, Holman Tara J., Oh Jaesung, Wilson Michael H., Nikonorova Natalia, Vu Lam Dai, De Smet Ive, Swarup Ranjan, De Vos Winnok, Pintelon Isabel, Adriaensen Dirk, Grierson Claire, Bennett Malcolm J., Vissenberg Kris

Current biology - ISSN 0960-9822 - 28:5(2018), p. 722-732

Full text (Publisher's DOI): <https://doi.org/10.1016/J.CUB.2018.01.050>

### ☐ **Bypassing border control : nuclear envelope rupture in disease**

Houthaeve Gaëlle, Robijns Joke, Braeckmans Kevin, De Vos Winnok  
 Physiology - ISSN 1548-9213 - Bethesda, Amer physiological soc, 33:1(2018), p. 39-49

Full text (Publisher's DOI): <https://doi.org/10.1152/PHYSIOL.00029.2017>

Full text (publisher's version - intranet only): <https://repository.uantwerpen.be/docman/iruaauth/eb52d0/147345.pdf>

### ☐ **Cytoprotective effects of transgenic neuroglobin overexpression in an acute and chronic mouse model of ischemic heart disease**

Luyckx Evi, Everaert Bert, Van der Veken Bieke, Van Leuven Wendy, Timmermans Jean-Pierre, Vrints Christiaan, De Meyer Guido, Martinet Wim, Dewilde Sylvia

Heart and vessels - ISSN 0910-8327 - 33:1(2018), p. 80-88

Full text (Publisher's DOI): <https://doi.org/10.1007/S00380-017-1065-5>

Full text (publisher's version - intranet only): <https://repository.uantwerpen.be/docman/iruaauth/0fc0a9/146926.pdf>

### ☐ **Double trouble : a case series on concomitant genetic aberrations in NSCLC**

Van Der Steen Nele, Mentens Yves, Ramael Marc, Leon Leticia G., Germonpré Paul, Ferri Jose, Gandara David R., Giovannetti Elisa, Peters Godefridus J., Pauwels Patrick, Rolfo Christian

Clinical lung cancer - ISSN 1525-7304 - Dallas, Cig media group, lp, 19:1(2018), p. 35-41

Full text (Publisher's DOI): <https://doi.org/10.1016/J.CLCC.2017.06.010>

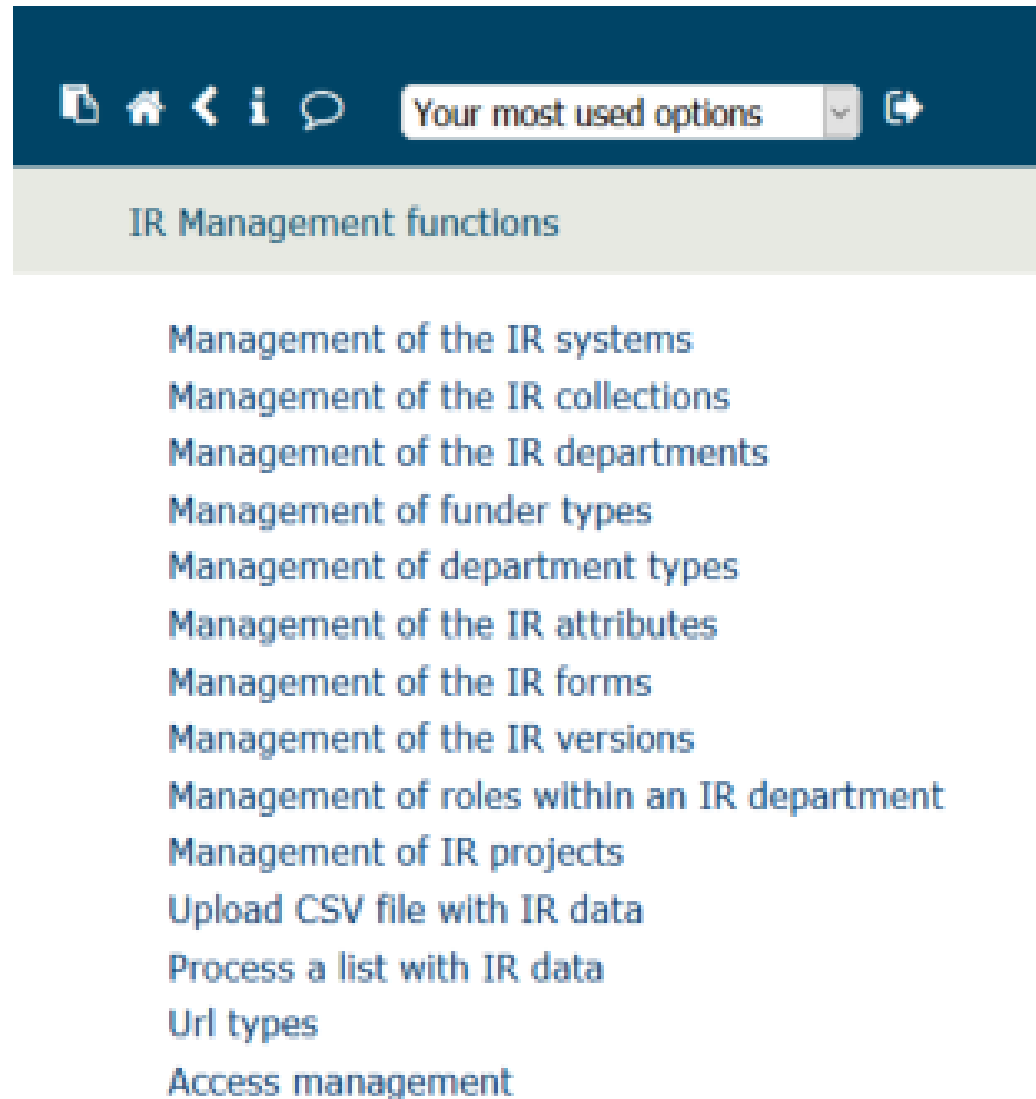
Full text (publisher's version - intranet only): <https://repository.uantwerpen.be/docman/iruaauth/19594f/148481.pdf>

# Technical challenges

- Search Engine Optimisation
- CERIF export
  - For Human Resource department
  - For Flemish Research department

# Cerif export

- Added in Brocade in 2017
- Driven by meta-information
- IR module extended with CRIS entities
- Cerif export profiles
- Cerif export generators
- Cerif translation tables





Your most used options



Conversions

Brocade 4.30 - moto - DEFAULT

[Translation schemas](#)[Translation tables](#)[Compare translation tables](#)[Administration of cataloguing import profiles](#)[Administration of cataloguing MARC export profiles](#)[Administration of cataloguing Cerif export profiles](#)[Administration of the cataloguing of export generators](#)[Management of patron import profiles](#)

Your most used options



New

Filter

[Overview](#)**Identification Title**

|       |                               |
|-------|-------------------------------|
| cerif | Standard Cerif format         |
| fris  | FRIS                          |
| ua    | Export generator t.b.v. IT UA |

Your most used options ▾

mt:catexpcerif:fris

[Submit](#) [Start screen](#) [Previous](#) [Next](#) [Drag & Drop](#)

## GENERAL

Translate Brocade codes according to the schedule

 🔍

Export publication data



Export project data



Export organisations



Export personal data



Default cfLangCode

Different root tag

Different root attributes

Keywords are based on authority type

 🔍

Replacement tags for different tags

[Identity](#)  
[Actions](#)  
[Names](#)  
[Status](#)  
[General](#)

| Schema                                          | Table     | Description                         |
|-------------------------------------------------|-----------|-------------------------------------|
| fris : FRIS: Flemish Research Information Space | AR        | Assignemnt Role                     |
| fris                                            | ROTT      | Research Output Taxonomy Type       |
| fris                                            | RTT       | Referee type                        |
| fris                                            | author_fu | UA auteursfuncties voor kunstoutput |

|                        |   |                  |
|------------------------|---|------------------|
| a::pt.10:1JOURNAL      | = | Journal Article  |
| a::pt.10:1JOURNALEONLY | = | e-pub            |
| a::pt.113:1            | = | Chapter          |
| a::pt.113:1EONLY       | = | BC e-pub         |
| a::pt.114:1            | = | Chapter          |
| a::pt.114:1EONLY       | = | BC e-pub         |
| a::pt.115:1            | = | Letter to Editor |
| a::pt.116:1            | = | Letter to Editor |
| a::pt.117:1            | = | Book             |
| a::pt.117:1EONLY       | = | Book e-pub       |
| a::pt.118:1            | = | Book             |
| a::pt.118:1EONLY       | = | Book e-pub       |
| a::pt.119:1            | = | Book             |
| a::pt.119:1EONLY       | = | Book e-pub       |
| a::pt.11:1             | = | Patent           |
| a::pt.120:1            | = | Book             |
| a::pt.121:1            | = | Journal Article  |
| a::pt.121:1EONLY       | = | e-pub            |
| a::pt.122:1            | = | Journal Article  |

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