

# BIBLIOMETRICS: a publications analysis tool

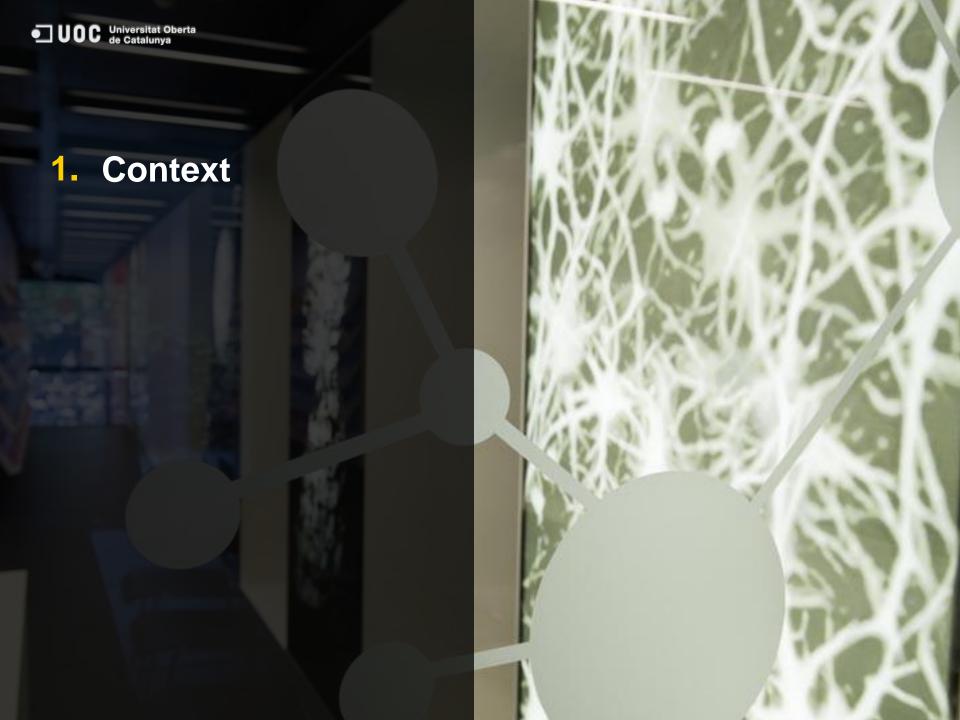
3rd International Workshop on Bibliometric-enhanced Information Retrieval (BIR2016)

20 March 2016, Padua - Italy Rosa Padrós Cuxart Francesc March Mir



#### **Contents**

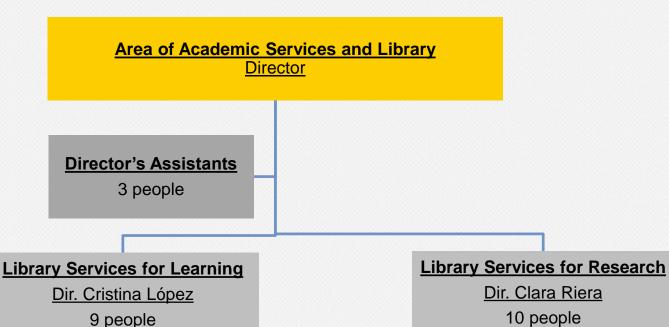
- 1. Context
- 2. Project
- 3. BIBLIOMETRICS
- 4. Future goals







#### **Virtual Library**







External team for basic library services 6 people

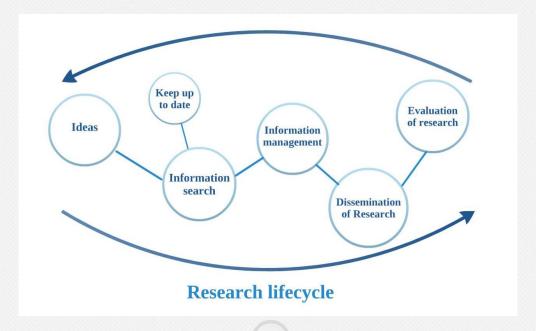




#### **Library Services for Research**

- Bibliografhic services
- Bibliometric services
- Standardization of author's names
- Support service for accreditation calls
- Open-access publication of Theses

- CRIS data validation
- Predoctoral fellow training
- Editorial policies and Open Access
- UOC's academic journals management
- Research Data Services







#### **Bibliometric services**

• Evaluation of scientific publications, at individual, research group, department, knowledge area or institutional level

Service users

Support research accreditation activity of Teaching Staff





- Calls for project proposals (publications of the IP)
- Dissemination of the scientific publications (strategic)
- External reports



**Directors** 

Research centers

Research Groups

OSRT / others

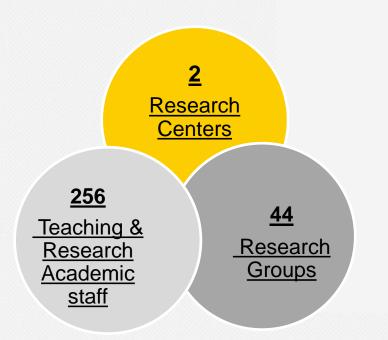
Researchers

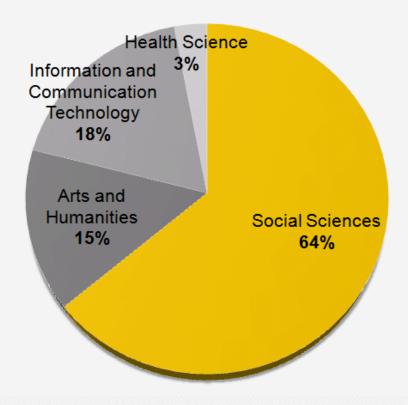


#### **UOC Research Areas**

#### Focus on:

- Education and ICT (e-learning)
- Information and Knowledge Society









## Bibliometric indicators by areas

| ACADEMIC DISCIPLINE      | FIELD OF STUDY                         | BIBLIOMETRIC INDEXES  |
|--------------------------|--|---|
|                          | LANGUAGE AND LITERATURE                | ISI Web of Knowledge™  Journal Citation Reports®  SJR SGImage FRIHJUF |
| HUMANITIES               | HISTORY AND ART                        | CARHUS PLUS  RE de revistas científicas  D I C E latindex FECYT  N-RECH   |
|                          | COMMUNICATION AND INFORMATION SCIENCES | ISI Web of Knowledge™  Journal Citation Reports® ERIH⊒US  SJR Sciencys Sacrings Sacrings Sacrings   |
|                          | LAW                                    | MAB (All chaiffeación interrada   |
| SOCIAL                   | ECONOMICS AND BUSINESS                 | CI clasificación integrada  RC de revistas científicas  |
| SCIENCES                 | STUDIES                                | CARHUS PLUS DICE latindex   |
| COILITOLO                | EDUCATION                              | MARTIN-CIDATRIQUES DE CIDACIO SOCIACI HAMANITAIS  |
|                          | SOCIOLOGY AND POLITICAL                | rěsh  |
|                          | SCIENCE                                | IN~RECJ IN~RECS   |
|                          | PSYCHOLOGY                             |   |
| HEALTH                   |  | ISI Web of Knowledge™  Journal Citation Reports®  |
| SCIENCES                 |  |   |
| <b>ENGINEERING &amp;</b> | INFORMATION AND                        | ISI Web of Knowledge™  Journal Citation Reports®  SJR SCINAPP  Reportal & Country   |
| ARCHITECTURE             | COMMUNICATION TECHNOLOGIES             | Journal Citation Reports® SJR Rearist & Country Rara  |



19TH CENTURY MUSIC

COMMUNICATION

**Abbreviated Journal Title** 

(linked to journal information)

EDUCATION

J INF TECHNOL

INFORM SYST RES

**EUR J INFORM SYST** 

J MANAGE INFORM SYST

INFORM MANAGE-AMSTER

J AM SOC INF SCI TEC

J ASSOC INF SYST

INFORM SYST J

GOV INFORM Q

J STRATEGIC INF SYST

**EDICIÓ 2014** 

ISSN

0148-2076

0743-4618

1941-6520

0001-4273

1537-260X

Mark Rank

10



#### MIAR ANNUAL VERSIONS

#### Bibliometric information sources: journal

VALORACIÓ

Α

Α

Α

Α

5-Year

**Impact** 

Factor

5.348

3.388

3,756

2.453

2.445

3.071

3.105

2.302

2.684

2.566

Factor

4.525

2.692

2,436

2.321

2.213

2.062

1.865

1.846

1.774

1.766

JCR Data i)

**Immediacy** 

Index

0.526

1.278

0.383

0.095

0.514

0.767

0.172

0.382

1.250

CARHUS Plust

**ÀMBIT** 

ARTS

COMUNICACIÓ I

INFORMACIÓ

**ECONOMIA** 

**ECONOMIA** 

EDUCACIÓ

Articles

19

18

47

74

37

30

87

0

34

Cited

Half-life

6.7

8.9

4.9

7.5

9.0

7.4

6.9

>10.0

>10.0

ICDS 2015: 9.862 ICDS 2014: 9.842 ICDS 2013: 9.822

ICDS 2012: 9.801

Quartile (Q1 means highest values and Q4 lowest values)

RIISC Universities and Knowledge Society Journal

|                | and monteage |  |
|----------------|--------------|--|
|                |              |  |
| Country: Spain |              |  |
|                |              |  |

Subject Area: Social Sciences

Subject Category:

Category 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 Q4 Q4 Education Publisher: Fundacio per la Universitat Oberta de Catalunya. Publication type: Journals. ISSN: 1698580X

| Coverage: 2010-2014 |
|---------------------|
| H Index: 5          |

Eigenfactor® Metric

Article In

Sc

Eigenfactor®

Score

0.00387

0.00114

0.00662

0.00210

0.00209

0.00302

0.00280

0.01034

0.00256

|     | <br>JK IIIGICAL | or vs. Cites | per Doc ( | (Zy) |              |
|-----|-----------------|--------------|-----------|------|--------------|
| 0,6 |                 |              |           |      |              |
| 0,5 |                 |              |           |      |              |
| 0,4 |                 |              |           |      |              |
|     |                 |              |           |      | <b>*</b> \ \ |
| 0,3 |                 |              |           | //   |              |
| 0,2 |                 |              |           | +/-  |              |

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

#### **ERIH**

The Euro Science Data Services (NSD) to transfer the maintenance and operations of the European Reference Index for the Humanities (ERIH) to NSD. The ERIH database operated by NSD is called ERIH PLUS.

TÍTOL

**TSSN** 

0268-3962

0963-8687

1047-7047

0740-624X

0960-085X

0742-1222

0378-7206

1532-2882

1536-9323

1350-1917

**Total Cites** 

1386

1045

4404

1162

1545

3258

3661

5434

1119

923

AAC: AUGMENTATIVE & ALTERNATIVE

ACADEMY OF MANAGEMENT ANNALS

ACADEMY OF MANAGEMENT JOURNAL

ACADEMY OF MANAGEMENT LEARNING &

#### Search

Title or ISSN: Show disciplines Search

#### Search hits

The search returned 1 hits.

1. RUSC. Universities and Knowledge Society

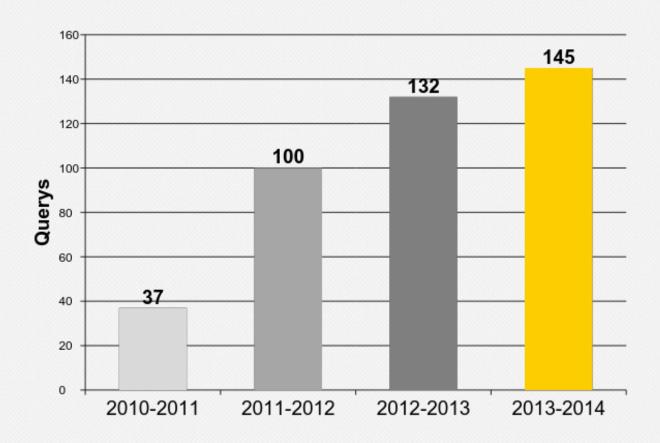
Electronic ISSN: 1698-580X Country of publication: Spain Language: English Open Access (DOAJ): Yes Discipline: Pedagogical & Educational Research

| 20     | 7.3       | 0.00100      | 20.7                | 56 revistas cientificas |           |   |         |   |              |
|--------|-----------|--------------|---------------------|-------------------------|-----------|---|---------|---|--------------|
| LO DE  | LA REVIST | ГА           |                     | <b>↓</b> 1              | ISSN      | ▾ | GRUPO   | ¥ | EXCELENCIA 💌 |
| G BULL | ETIN      |              |                     |                         | 0149-142  | 3 | GRUPO A |   | EXCELENCIA   |
| SJOUR  | RNAL      |              |                     |                         | 1550-741  | 6 | GRUPO A |   | EXCELENCIA   |
| FRACT  | AND APP   | LIED ANALYSI | S                   |                         | 1085-3375 | 5 | GRUPO A |   | EXCELENCIA   |
| DEMIC  | EMERGE    | NCY MEDICIN  | E                   |                         | 1069-656  | 3 | GRUPO A |   | EXCELENCIA   |
| DEMIC  | MEDICIN   | ΙE           |                     |                         | 1040-2446 | 6 | GRUPO A | _ | EXCELENCIA   |
| DEMY   | OF MANA   | GEMENT AND   | NALS                |                         | 1941-606  | 7 | GRUPO A |   | EXCELENCIA   |
| DEMY   | OF MANA   | GEMENT JOU   | RNAL                |                         | 0001-427  | 3 | GRUPO A |   | EXCELENCIA   |
| DEMY   | OF MANA   | GEMENT LEA   | RNING AND EDUCATION |                         | 1537-260  | X | GRUPO A |   | EXCELENCIA   |
| DEMY   | OF MANA   | GEMENT REV   | IEW                 |                         | 0363-7425 | 5 | GRUPO A |   | EXCELENCIA   |
| IDENT  | ANALYSIS  | AND PREVEN   | ITION               |                         | 0001-4575 | 5 | GRUPO A |   | EXCELENCIA   |
|        |           |              |                     |                         |           |   |         |   |              |



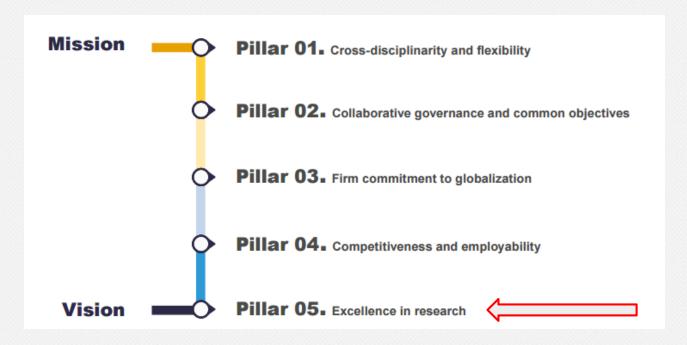


#### Increase in bibliometric services





#### **BIBLIOMETRICS:** institutional framework



UOC strategies for achieving excellence in research and fostering knowledge transfer





#### **BIBLIOMETRICS:** needs

The aim of this tool is offer unified bibliometric data to the UOC community (faculty, researchers and research support staff) for the evaluation of the research outcomes of the university.

- Make the task of Bibliometric support service easier
- From regular reports (PDF) to online access
- Reuse of data
- Users self-sufficient to search bibliometric data and create a report
- Automation of processes



## **BIBLIOMETRICS:** starting point

- Data source disaggregated in different spreadsheets: by faculties and research centers
- No unified data
- Duplicated information
- No data quality control
- High volume of information
- High investment of time to process and analyze data



Unification of all data in a database (MS Access): Starting point for the outsourced development team

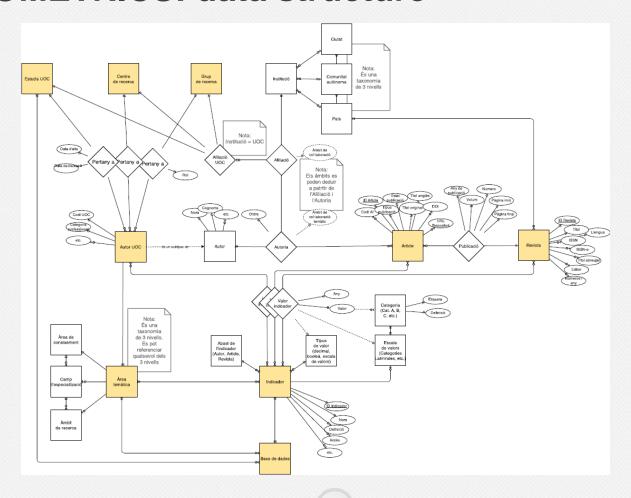


## **BIBLIOMETRICS:** starting point

|    | A              | В            | С  | D                     | Е                                       | F                                       | G        | Н              | 1         | J            | K                | L                 | М                 | N            | 0                | Р                           | Q       |
|----|----------------|--------------|--|-----------------------|---|---|----------|----------------|-----------|--------------|------------------|-------------------|-------------------|--------------|------------------|-----------------------------|---------|
| 1  | Codi Al        | Tipus de pub | Títol  | Data de<br>publicació | DOI                                     | •ups de recer•                          | Estat    | Investigador•  | ISSN-e    | ISSN         | Volum<br>revista | Número<br>revista | Pàgina<br>d'inici | Pàgina de fi | Col·laborac<br>ó | ci <u>ISI</u><br>Categories | ISI Fac |
| 2  | AR/00000000009 | Article/comu | A Layered Framework for Evaluating Online Collaborative  | 2006                  | 10.1016/j.ijh                           | uits, paral·le                          | PUBLICAT | Daradoumis)    |           | 1071-5819 lp | 64               | 7                 | 622               | 635          | NAC              | COMPUTER                    | 1.09    |
| 3  | AR/0000000013  | Article/comu | An Integrated Approach for Analysing and Assessing the   | 2004                  |   |   | PUBLICAT | Daradoumis*    |           | 0302-9743    | 3198             |                   | 289               | 304          | NAC              | COMPUTER 9                  | 0.51    |
| 4  | AR/0000000014  | Article/comu | Exploring Interaction Behaviour and Performance of Onlin   | 2003                  | 10.1007/978                             |   | PUBLICAT | Daradoumis*    |           | 0302-9743 L  | 2806             |                   | 126               | 134          | INT              |                             |         |
| 5  | AR/0000000015  | Article/comu | A Methodological Framework for Project-based Collaborate   | 2002                  |   |   | PUBLICAT | Daradoumis*    | 1741-5055 | 1560-4624 Ir | 12               | 5/6               | 389               | 402          | NAC              |                             |         |
| 6  | AR/0000000017  | Article/comu | Distributed Cognition in the Context of Virtual Collaborative  | 2002                  |   |   | PUBLICAT | Daradoumis*    |           | 1093-023X [¢ | 13               | 1                 | 135               | 148          | UOC              |                             |         |
| 7  | AR/0000000042  | Article/comu | ¿ Cómo aprender y enseñar con Internet?  | 2001                  |   |   | PUBLICAT | Coderch, J.; 0 |           | 0210-0630 C  | Jademos de 🕨     | 301               | 56                | 63           | NAC              | NO                          | NC      |
| 8  | AR/0000000043  | Article/comu | Para Saber Más   | 2001                  |   |   | PUBLICAT | Coderch, J.; 0 |           | 0210-0630 Çı | iademos de 🕨     | 301               | 81                | 83           | NAC              | NO                          | NC      |
| 9  | AR/0000000072  | Article/comu | Conceptual Modelling Patterns for Roles  | 2006                  | 10.1007/116                             | nyeria del S                            | PUBLICAT | CabotSagrer*   |           | 1861-2032 I  | 3870             |                   | 158               | 184          | NAC              |                             |         |
| 10 | AR/0000000073  | Article/comu | Computing the Relevant Instances That May Violate an O   | 2005                  | 10.1007/114                             |   | PUBLICAT | CabotSagrer*   |           | 0302-9743 L  | 3520             |                   | 207               | 248          | NAC              | COMPUTER 9                  | 0.40    |
| 11 | AR/0000000125  | Article/comu | A Robust Audio Watermarking Scheme Based on MPEG 1 P   | 2003                  | 10.1007/978                             |   | PUBLICAT | Megías Jimér   |           | 0302-9743 L  | 2828             |                   | 226               | 238          | UOC              |                             |         |
| 12 | AR/0000000127  | Article/comu | Robust Frequency Domain Audio Watermarking: a Tuning   | 2004                  | 10.1007/978                             | •                                       | PUBLICAT | Megías Jimér   |           | 0302-9743 L  | 3304             |                   | 244               | 258          | UOC              | COMPUTER 9                  | 0.51    |
| 13 | AR/0000000128  | Article/comu | Autonomous and Self-sufficient Groups: Ad hoc Collabora  | 2005                  | 10.1007/115                             |   | PUBLICAT | Marquès Puic   |           | 0302-9743    | 3706             |                   | 57                | 72           | NAC              | COMPUTER 9                  | 0.40    |
| 14 | AR/000000147   | Article/comu | Robust Watermarking Scheme Based on the JPEG2000 sta   | 2005                  |   |   | PUBLICAT | Minguillón A   |           | 1017-9909 [0 | 14               | 3                 | 33015             | 0            | UOC              | ENGINEERIN                  | 0.87    |
| 15 | AR/0000000149  | Article/comu | Towards personalization in digital libraries through ontolo  | 2005                  | 10.1108/014                             |   | PUBLICAT | Ferran Ferrer  |           | 0143-5124 L  | 26               | 4                 | 206               | 217          | UOC              |                             |         |
| 16 | AR/0000000151  |              | Total Disclosure of the Embedding and Detection Algorith   | 2005                  | 10.1007/116                             |   | PUBLICAT | Megías Jimé    |           | 0302-9743    | 3783             |                   | 427               | 440          | UOC              | COMPUTER 9                  | 0.40    |
| 17 | AR/0000000437  |              | A Grid-Based Approach for Processing Group Activity Log P  | 2004                  | 10.1007/978                             |   | PUBLICAT | Xhafa, Fatos   |           | 0302-9743 L  | 3292             |                   | 175               | 186          | ÎNT              | COMPUTER 9                  | 0.51    |
| 18 | AR/0000000438  |              | A Grid-aware Implementation for Providing Effective Feed   | 2005                  |   |   | PUBLICAT | Caballé Llob   |           | 0302-9743    | 3762             |                   | 274               | 283          | NAC              | COMPUTER 9                  | 0.40    |
| 19 | AR/0000000465  |              | El treball i l'aprenentatge cooperatius en entoms virtuals?  | 2005                  |   |   | PUBLICAT | GuitertCatas   |           | 1696-7380 C  | neixement i      | 8                 | 44                | 77           | ůôć              | NO                          | NC      |
| 20 | AR/0000000582  |              | Incremental Evaluation of OCL Constraints  | 2006                  | 10.1007/117                             | nyeria del S                            | PUBLICAT | CabotSagrer*   |           | 0302-9743 L  | 4001             |                   | 81                | 95           | NAC              |                             |         |
|    | AR/0000000583  |              | Constraint Support in MDA tools: a Survey  | 2006                  |   | nyeria del S                            |          | CabotSagrer    |           | 0302-9743    | 4066             |                   | 256               | 267          | NAC              |                             |         |
|    | AR/0000000676  |              | Uso e integración de las TIC en asignaturas cuantitativas  | 2006                  | ,                                       |   | PUBLICAT | Steegmann P    |           | 1138-9737 T₽ | 7                | 1                 | 1                 | 12           | ŮOĆ              |                             |         |
|    | AR/0000000677  |              | LaCOLLA: a Middleware to Support Self-sufficient Collabor  | 2006                  |   | ults, paral·le                          |          | Marquès Puig   |           | 1335-9150 💍  | 25               | _                 | 571               | 595          | NAC              |                             |         |
|    | AR/0000000719  |              | LaCOLLA: Middleware for Self-Sufficient Online Collaborate   | 2007                  | 10.1109/MIC                             | ults, paral·le                          | PUBLICAT | Marquès Puig   |           | 1089-7801 IP | 11               | 2                 | 56                | 64           | NAC              | COMPUTER 9                  | 1.55    |
|    | AR/0000000727  |              | The Octahedron Abstract Domain (extended version)  | 2007                  |   | nveria del S                            |          | ClarisóViladr  |           | 0167-6423 S  | 64               | 1                 | 115               | 139          | NAC              | COMPUTER 9                  | 0.83    |
|    | AR/0000000728  |              | Verification of Concurrent Systems with Parametric Delay   | 2007                  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Inveria del S                           |          | Clarisó Vilad  |           | 0169-2968 F  | 78               | 1                 | 1                 | 33           | NAC              | MATHEMATIC                  |         |
|    | AR/0000000748  |              | Opera-Leaming: Integración de estándares de distribución   | 2005                  |   |   | PUBLICAT | Pascual Sol,   |           | 1578-7680 R  | IV               |                   | 16                | 24           | UOC              | *********                   |         |
|    | AR/0000000749  |              | Personalización del proceso de aprendizaje usando leami  | 2005                  |   |   | PUBLICAT | MinguillónAl   |           | 1578-7680 R  | îiî              |                   | 42                | 55           | ÜÖC              |                             |         |
|    | AR/0000000750  |              | A Neural Approach for Modeling the Inference of Awarene  | 2006                  | 10.1007/118                             | ults, paral·le                          |          | Daradoumis*    |           | 0302-9743 L  | 4227             |                   | 464               | 469          | NAC              |                             |         |
|    | AR/0000000751  |              | Semantic Description of Grid Based Learning Services   | 2006                  |   | ults, paral·le                          |          | GutiérrezCan   |           | 0302-9743 L  | 4331             |                   | 509               | 518          | UOC              |                             | -       |
|    | AR/0000000753  |              | Education and pedagogy with learning objects and learning  | 2007                  | 10.1016/j.ch                            |   |          | MinguillónAl   |           | 0747-5632 O  | 23               | 6                 | 2581              | 2584         | UOC              | PSYCHOLOG*                  | 1.34    |
|    | AR/0000000754  |              | Enriching e-leaming metadata through digital library usag  |                       | 10.1108/026                             |   |          | FerranFerrer,  |           | 0264-0473 E  | 25               | 2                 | 148               | 165          | ÎNT              | 1                           | 0.22    |
|    | AR/0000000789  |              | Competencias TIC y trabajo en equipo en entomos virtua   | 2007                  |   |   |          | GuitertCatas   |           | 1698-580X R  |                  | - 4               | 1                 | 12           | ÜÔC              | NO                          | NC      |
|    | AR/0000000847  |              | Teaching and Leaming Logic in a Virtual Leaming Environm   | 2007                  | 10.1093/jigp                            |   |          | HuertasSánc    |           | 1367-0751 L  | 15               | 4                 | 321               | 331          | ŰŎĊ              | MATHEMATIC                  |         |
|    | AR/0000000886  |              | Search of Performance Inefficiencies in Message Passing  | 2007                  | 7,525                                   |   |          | JorbaEsteva,▶  |           | 0302-9743    | 4699             | -                 | 409               | 419          | NAC              | ***********                 |         |
|    | AR/0000000919  |              | Theoretical Framework for a Practical Evaluation and Con-  | 2006                  |   | omation Sec                             |          |                |           | 0302-9743    | 4300             |                   | 1                 | 40           | INT              |                             |         |
|    | AR/0000001072  |              | La dimensión social del aprendizaje colaborativo virtual   | 2007                  |   | 700000000000000000000000000000000000000 |          | GuitertCatas   |           | 1578-7680 RI |                  | 18                | 1                 | 21           | ÜÔC              | NO                          | NC      |
|    | AR/0000001073  |              | Transformation Techniques for OCL Constraints  | 2007                  | http://dx.doi.                          | nveria del S                            |          | Cabot Sagrer   |           | 0167-6423 S  | 68               | 3                 | 179               | 195          | NAC              | COMPUTER 9                  | 0.83    |
|    | AR/0000001074  |              | On the Quality of Navigation Models with Content-Modifi  | 2007                  | necpi, axiaon                           | Inveria del S                           |          | CabotSagrer*   |           | 0302-9743 L  | 4607             |                   | 59                | 73           | NAC              | 2007007007                  |         |
|    | AR/0000001075  |              | Tool Support for Model Checking of Web application design  | 2007                  | 10.1007/978                             | nyeria del S                            |          | Brambilla, M   |           | 0302-9743    | 4607             |                   | 533               | 538          | INT              |                             |         |
|    | AR/0000001104  |              | Integrating descriptions of knowledge management learn   | 2006                  | http://dx.doi.                          |   |          | Sicilia Urbán. |           | 0169-023X D  | 57               | 2                 | 111               | 121          | INT              | COMPUTER 9                  | 1.74    |
|    | AR/0000001111  |              | A virtual mathematics learning environment for engineer  | 2007                  | , dxidoi                                |   |          | SanchoVinue    |           | 1576-4990 In |                  | 14                | 1                 | 18           | ÜÖC              | NO                          | NC      |
|    | AR/0000001111  |              | Experiences Using the ResearchCyc Upper Level Ontology   | 2007                  | 10.1007/978                             | nyeria del S                            |          |                |           | 0302-9743 L  | 4592             |                   | 143               | 155          | INT              |                             |         |
|    | AR/0000001152  |              | Deriving Operation Contracts from UML Class Diagrams   | 2007                  |   | Inveria del S                           |          |                |           | 0302-9743    | 4735             |                   | 196               | 210          | UOC              |                             |         |
|    | AR/0000001255  |              | Automatic Generation of Workflow-extended Domain Mor   | 2007                  |   | Inveria del S                           |          | Brambilla, M   |           | 0302-9743 L  | 4735             |                   | 389               | 375          | INT              |                             |         |
|    | AR/0000001253  |              | From Declarative to Imperative UML/OCL Operation Specific  | 2007                  |   | Inveria del S                           |          | CabotSagrer*   |           | 0302-9743    | 4801             |                   | 198               | 213          | UOC              |                             |         |
| 70 | A10000001202   | derejeonio   | The state of the s | 2007                  |   | yena aci o                              | TOBLICAT | THE PROPERTY.  |           | 0302-3743 D  | 4001             |                   | 190               | 213          | 200              |                             |         |



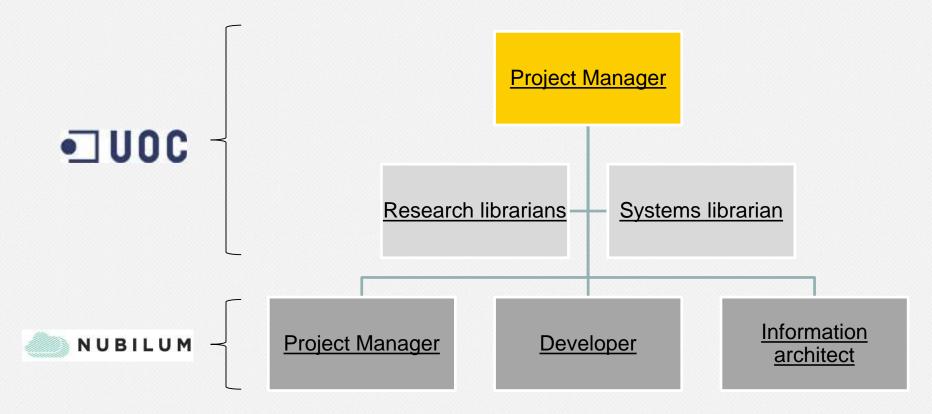
#### **BIBLIOMETRICS:** data structure







## **BIBLIOMETRICS:** project organization chart





## **BIBLIOMETRICS:** transversal project

Collaboration between different university departments/offices to collect data:

- Research and Transfer Support Office
- Planning and Quality Department
- Teachers and Researchers
- Faculty
- Research Centers
- IT Department
- Vice-Chancelor for Strategic Planning and Research Office





#### **Technology**

MySQL



JAVA



JAVA development framework



#### **Charting library**

Higcharts

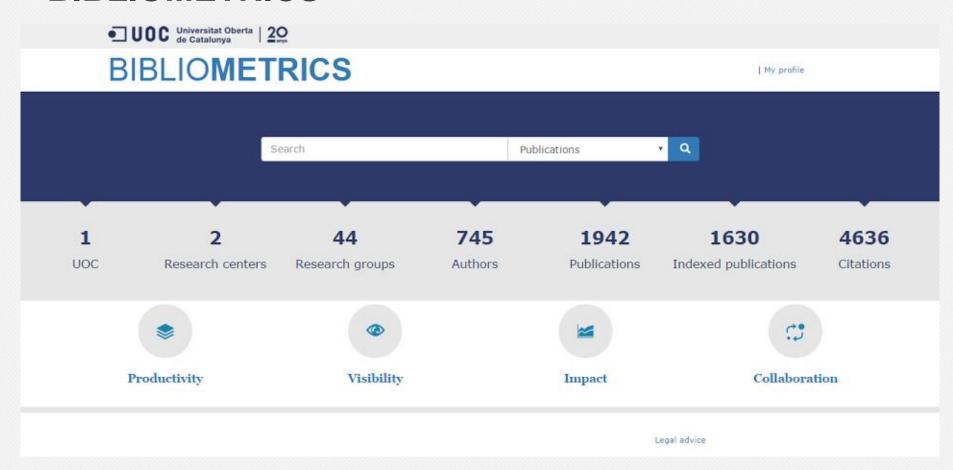








#### **BIBLIOMETRICS**





#### **BIBLIOMETRICS:** what is it?

- An in-house database
- Allows users to search and manage bibliometric data
- It stores the UOC's academic articles and lets users assess their quality based on national and international bibliometric indicators
- Responds to the bibliometric needs both of the faculty and researchers
- Restricted access for UOC community
- Types of documents: original, review, proceedings paper, editorial material, book review, letter



#### **BIBLIOMETRICS:** what does it offer?

- Bibliographic and bibliometric information and normalized data
- Comparative bibliometric analysis of the UOC's researchers, research group, research centers and faculties
- Data extraction in different formats for exporting (graphical, CSV, etc.)
- Graphical representation of data
- Four levels of indicators:
  - 1. Productivity
  - 2. Visibility
  - 3. Impact
  - Collaboration





## **BIBLIOMETRICS:** sources of bibliographic data

The bibliographic data used by Bibliometrics come from:

- CRIS (Current Research Information System)
- ISI Web of Knowledge
- Scopus

Bibliographic information for each publication:

- Authors
- Affiliation
- Type of publication
- Knowledge field

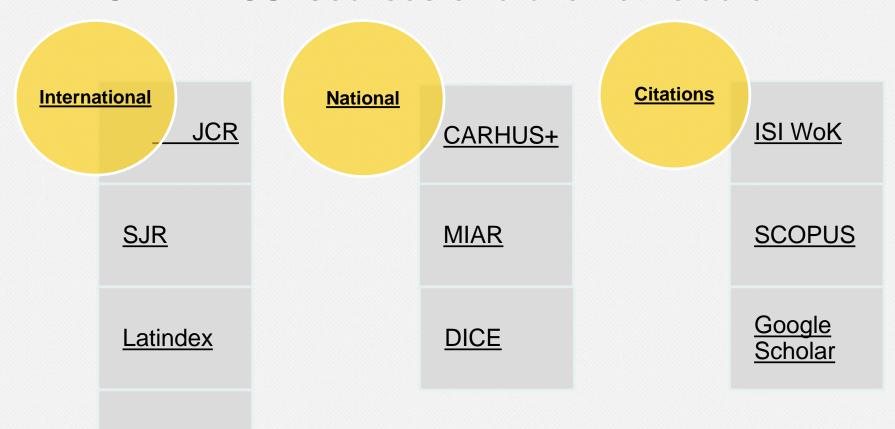
- Year of publication
- Peer review
- Open Access
- Journal indexed or not



ERIH +



#### **BIBLIOMETRICS:** sources of bibliometric data







#### **BIBLIOMETRICS:** sources of bibliometric data



- Current edition: 2014
- Access: https://boga.agaur.gencat.cat/agaur\_boga/AppJava/FlowControl
- MIAR: Information matrix for evaluating journals
- Evaluation system of the scientific journals in the social sciences and humanities published at local, national and international level.





#### **BIBLIOMETRICS:** sources of bibliometric data

Last update: 2015



Periodicity: annual (2008-)

Access: <a href="http://miar.ub.edu/">http://miar.ub.edu/</a>

- MIAR: information matrix for evaluating journals
- System for quantitatively measuring the visibility of periodical publications in social and human sciences (2008-)
- Indicator: depending on the dissemination of the journal in the various national and international databases, a dissemination index known as ICDS is extracted.





#### **BIBLIOMETRICS:** sources of bibliometric data



- Access: <a href="http://dice.cindoc.csic.es">http://dice.cindoc.csic.es</a>
- DICE is a system created to provide information about the quality indicators of Spanish journals of Humanities and Social Sciences. These indicators can be obtained for a particular journal or for the complete group of journals of one area, thus journals can be related using the values of the indicators.
- Indicator: it establishes an index of international dissemination
  - Hish Visibility: journals with a rating = > a 12 points due to its presence in international databases
  - Medium Visibility: journals with a rating of between 6 and 11 points due to its presence in international databases.
  - Low Visibility: journals with a rating = < a 5 points due to its presence in international



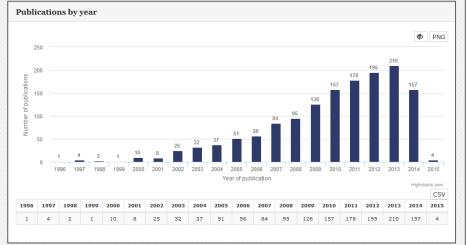


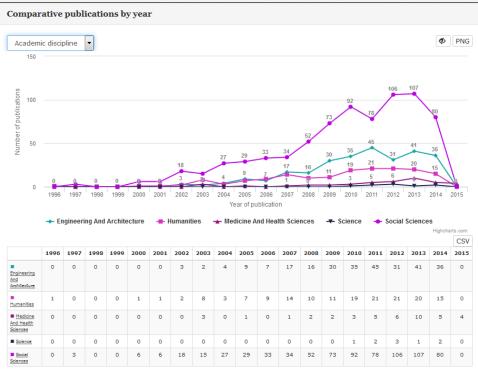


#### **BIBLIOMETRICS: indicators**

**Productivity:** number of publications by author, year of publication and type of publication, and the average number of publications by author, research group, research

centre or department at the UOC.











#### **BIBLIOMETRICS: indicators**

**Visibility:** analysis of the quality of articles in terms of the journal they are published in using international and/or national bibliometric indicators.



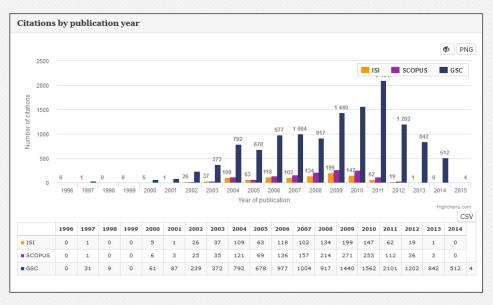


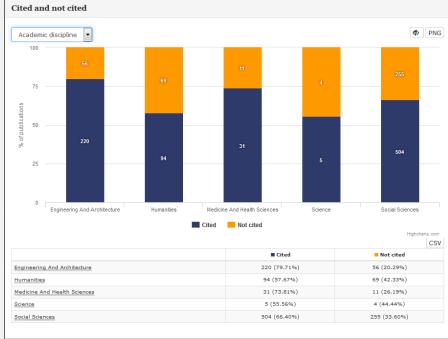




#### **BIBLIOMETRICS: indicators**

**Impact:** analysis of the citations received by publication in ISI WoS, Scopus and Google Scholar databases.





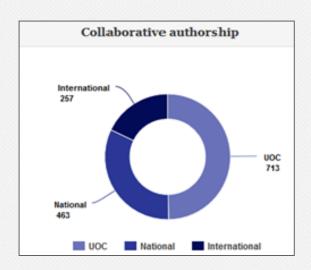


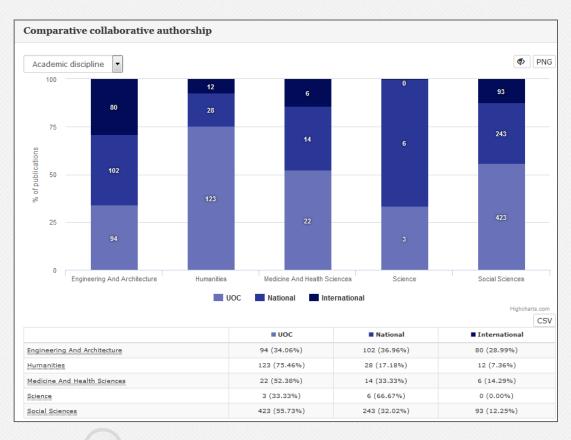
## Collaboration

#### **BIBLIOMETRICS: indicators**

Collaboration: analysis of the level of co-authoring publications in terms of authors'

affiliation.

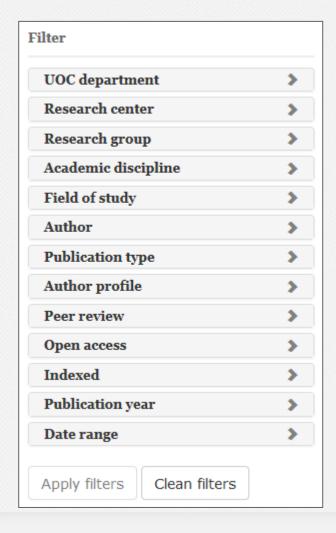








#### **BIBLIOMETRICS:** faceted search



| Research center             | ~     |
|-----------------------------|-------|
| eLC - eLearn Center         | (108) |
| IN3 - Internet              | (591) |
| Interdisciplinary Institute |       |
|                             |       |
| Academic discipline         | •     |
| Engineering And             | (276) |
| Architecture                |       |
| Humanities                  | (163) |
| Medicine And Health         | (42)  |
| Sciences                    |       |
| Science                     | (9)   |
| Social Sciences             | (759) |
|                             |       |
|                             |       |
| Date range                  | ~     |
| From: To:                   |       |
| From To                     |       |
| FIGIII                      |       |
|                             |       |

| Publication type   | ~      |
|--------------------|--------|
| Abstract           | (1)    |
| Book review        | (6)    |
| Editorial material | (19)   |
| Letter             | (7)    |
| Note               | (2)    |
| Original           | (1273) |
| Proceeding paper   | (68)   |
| Review             | (50)   |
| Working paper      | (7)    |







## **BIBLIOMETRICS:** future goals

- Automatic integration between CRIS and Bibliometrics
- Integration with external data sources by using web services
- To reduce the manual data uploading
- To introduce new document types and indicators: books and book chapters (productivity, impact and collaboration)
- To improve the system performance





## Thank you!

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