



Rome, Domus Pacis – 12-14 October 2006

The Impact of Digital Library Service on Scientific Production of a Media Sized University: The University of Messina's Experience

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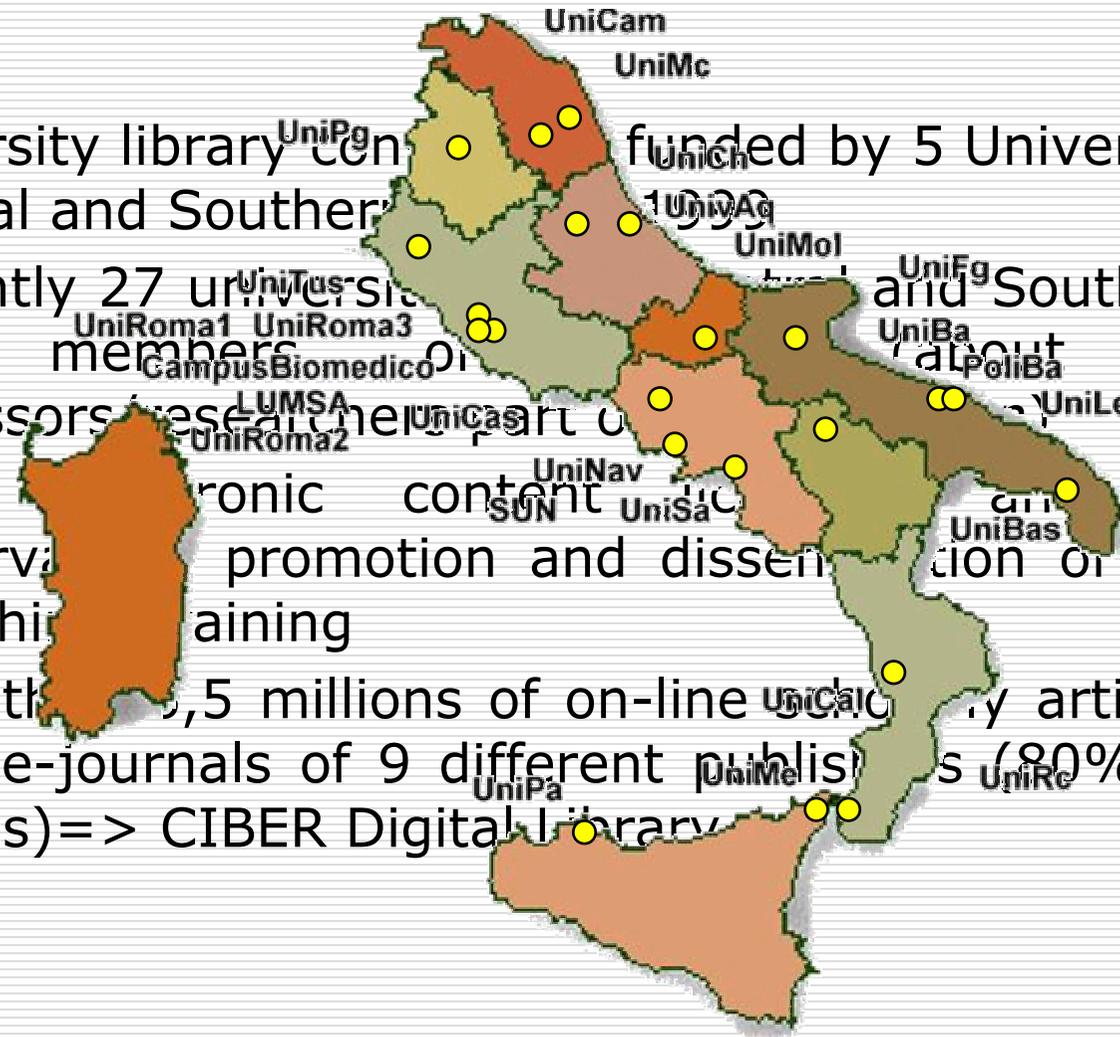
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Agenda

- ❑ The *CIBER* context
- ❑ An overview on usage statistics production for *CIBER*'s users
- ❑ The new portal for usage statistics
- ❑ Users sample identification
- ❑ Network tools chosen to measure users' productivity
- ❑ Analysis methodology
- ❑ Some *preliminary* results
- ❑ Final remarks

The CIBER context

- university library center funded by 5 Universities in Central and Southern Italy
- currently 27 universities and Southern Italy are members about 25.000 professors researchers part of
- aims: electronic content loading, preservation, promotion and dissemination of scholarly publishing training
- more than 5 millions of on-line scholarly articles from 4477 e-journals of 9 different publishers (80% full-text articles) => CIBER Digital Library



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Usage statistics for CIBER DigLib

- Fully compliant with COUNTER⁽¹⁾ specs (rel. 2) since May 2005 (data available since January 2005)

ip	username	ente	editore	remote	issn	volissue	artinfo	arttype	tawflag	giorno	mese	anno	ora	minuti	timeabs	pubdate
192.167.13		Chieti (Universita' Gabriele D'Annunzio)	my-ELSEVIER	1	15908658	v35i0004	232_atlrthpe	html	0	1	Apr	2005	17	45	1112370303	2003- 4-
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- All stats data feed a local DB (MySQL based)

(1) <http://www.projectcounter.org>

The new portal for usage statistics

- Interactive multi-user system
- Output schema (stats download included)
 - JR1 and JR2 Standard COUNTER reports
 - Top list reports (journals, issues, articles, subjects, IP)
- New elements of usage analysis:
 - Article cover date
 - Library of Congress Subject e-journals Categories
 - MIUR⁽¹⁾ Subject e-journals Categories
- The “free query” function
- Open source tools for portal development

(1) Italian Ministry of Universities and Scientific Research



Coordinamento Interuniversitario
Basi dati & Editoria in Rete

Gruppo di Lavoro Statistiche



Home
Anno

Home -> Riepilogo Generale - 2006

Counter (K2)

CIBER (Consorzio)



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Home
Anno

Home -> query - 2006

Counter (K2)

CIBER (Consorzio)

QUERY LIBERA

In questa sezione e' possibile effettuare una query con i dati desiderati.

Report Analitico
Categorie MIUR
Query Libera
Tabelle
Info
Uscita

Agg. Agosto 2006

Anno: Raggruppamento: Conteggio:

IP: Ordinarmento: Crescente

ISSN: Mostra righe:

Anno Article:

Mese DWL:

Avvia Ricerca Ripristina

Categoria:

a cura del C.A.B. Centro di Ateneo per le Biblioteche - Messina



Software Linux



MySQL

Altre categorie

Farmacol.Tossicol
Sc.Famaceutiche

Ing.Civile
Architettura

Ing. Industriale
e cell.informaz.

Sc. agrarie e
Veterinario

Sc.Biologiche

Sc.Chimiche

Sc.Antichità Filolog.
letter. Storico-artist.

Sc. della Terra

Sc. Economiche
e Statistiche

Sc. Fisiche

Sc. Giuridiche

Sc. Matematiche
e Informatiche

Sc. Mediche

Sc. Politiche
e Sociali

Sc. Storiche Filosof.
Pedagog. Psicolog.

The chosen approach

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- **Query: T**
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- APPLIED CATALYSIS A-GENERAL
- APPLIED SURFACE SCIENCE
- Catalysis Today
- EUROPEAN JOURNAL OF PHARMACOLOGY
- Food Chemistry
- JOURNAL OF CHROMATOGRAPHY A
- JOURNAL OF HEPATOLOGY
- Journal of Molecular Liquids
- Journal of Molecular Structure
- Journal of Pharmaceutical and Biomedical Analysis
- Marine Chemistry
- NUCLEAR PHYSICS A
- Physica B: Condensed Matter
- Studies in Surface Science and Catalysis
- Thermochimica Acta
- Farmaco
- Life Sciences
- Forensic science international
- Neuroscience Letters
- Journal of the European Ceramic Society
- Journal of Power Sources
- Materials Science and Engineering A

E-journals chosen for
Article download
analysis

relation
articles

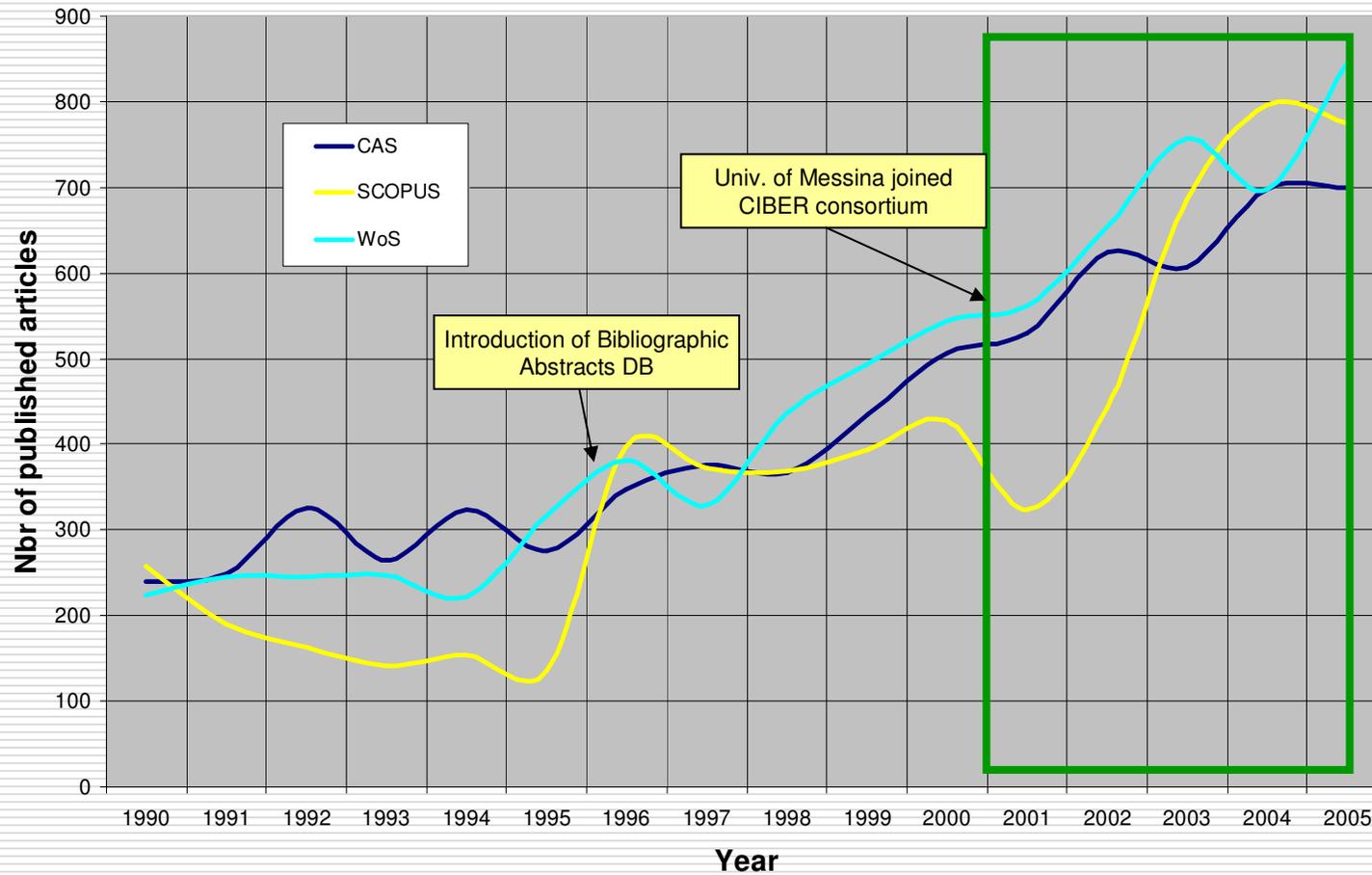
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Scientific production

University of Messina scientific Production

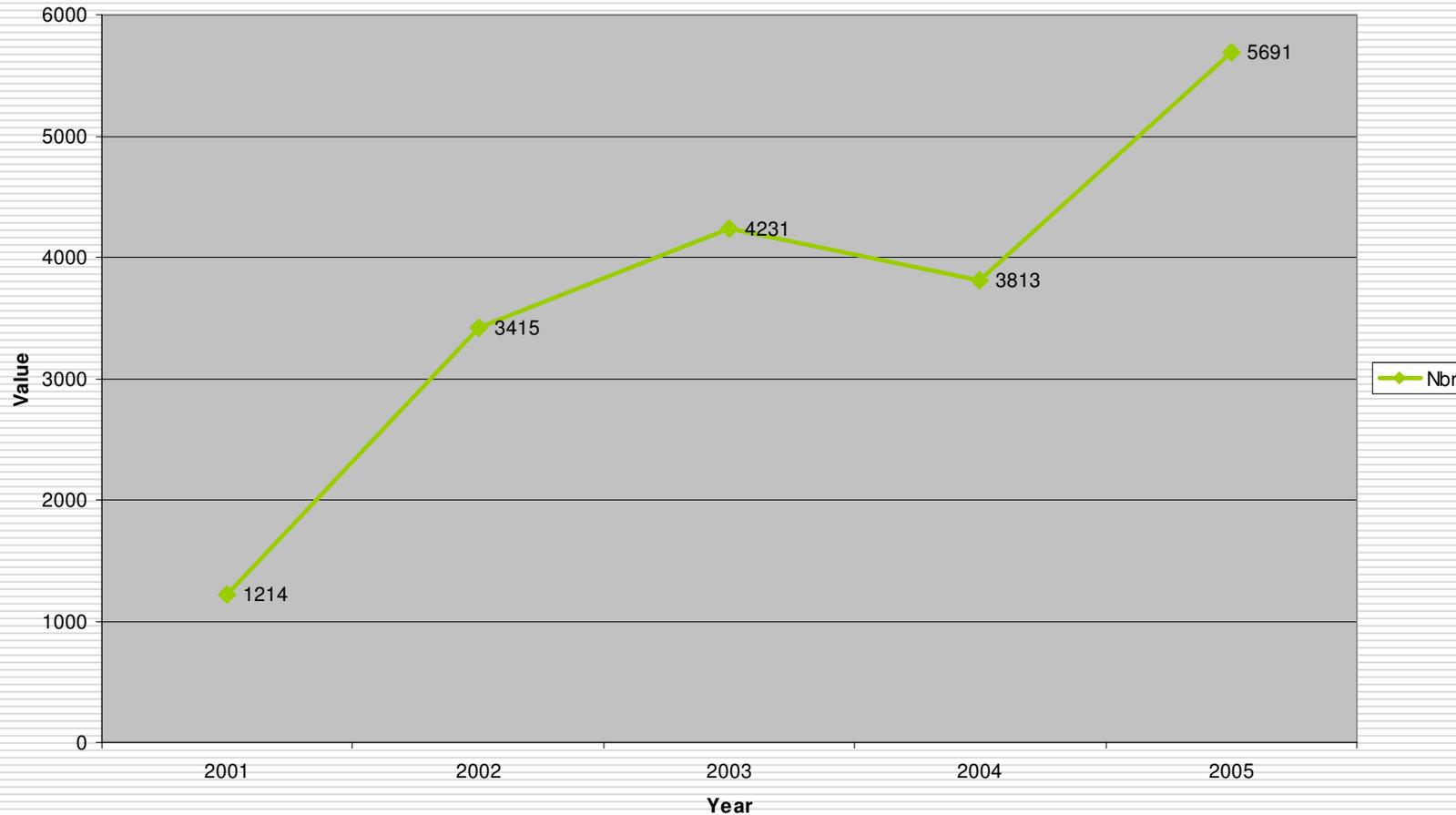


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Articles download

Number of downloaded articles



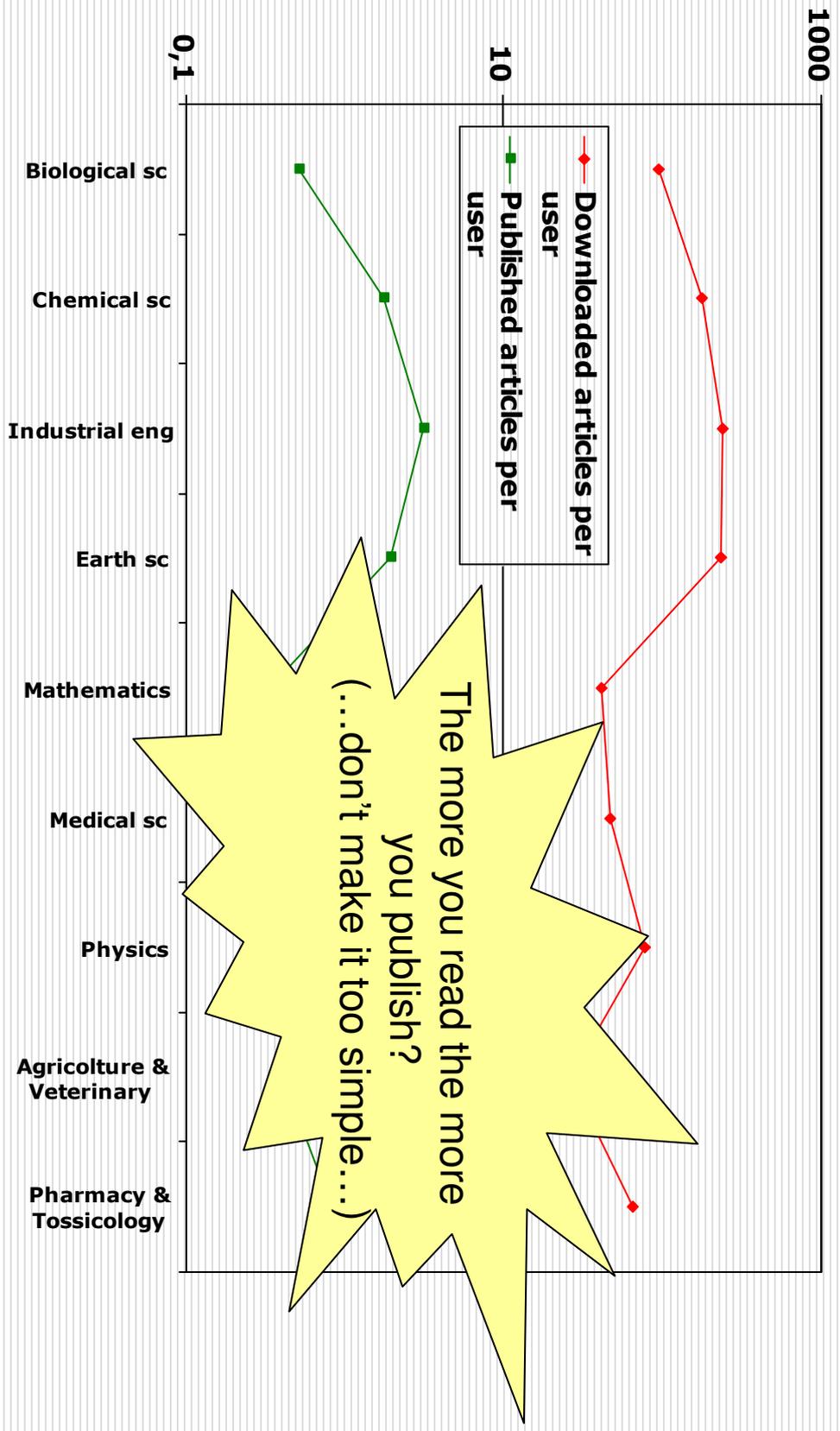
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Possible correlation?

- ❑ Given a specific year (2004) we tried to find a possible correlation between the number of downloaded articles and scientific production
- ❑ Focus on various scientific disciplines
- ❑ SCOPUS as tool to measure scientific production (better coverage of Italian scholarly journals)
- ❑ Used *normalized* data

The RMS user



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Final remarks

- Difficulty in getting out coherent information on scientific production
- Data analysis performed only on a specific subset of Messina scientific population
- Interest in enlarging *user's attitude* to scientific production involving other CIBER universities

Thank you for your attention

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