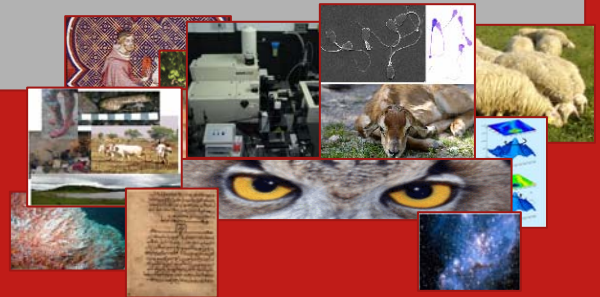


Digital.CSIC: Opening Access to Premier Scientific Research in Spain

IFLA World Library and Information Congress
August 2010

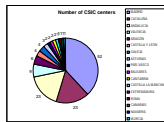


Spanish National Research Council : productivity and dissemination

What is CSIC?

- The Spanish National Research Council (CSIC) is the state leading scientific agency in the country
- CSIC is a huge organization consisting of 147 research centers and institutes comprising an overall staff of more than 15,500, out of which almost 9,000 are directly devoted to research activities
- CSIC network of research institutions is organized in 8 broad scientific areas including:
 - Humanities and Social Sciences
 - Biology and Medicine
 - Natural Resources
 - Physical Sciences and Technologies
 - Materials Science and Technology
 - Food Science and Technology
 - Chemical Sciences and Technologies
 - Agricultural Sciences

Geographical distribution of CSIC scientific network



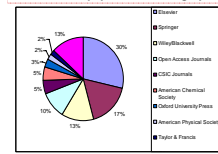
CSIC output pace over the years

- CSIC intellectual output covers a span of time starting in the 1930s
- In 2009 alone, CSIC produced 9,741 SCI/SSCI/JAHC articles, 1,560 non-SCI/SSCI/JAHC articles, 389 books, 1,784 book chapters, 104 other monographs, 4,834 proceedings and 3,409 posters in international conferences, 2,284 proceedings and 1,676 posters in national conferences, 783 PhD theses and 180 patents
- Between 2000 and 2007, CSIC researchers published more than 56,000 scientific papers, 36,748 digital documents. In 2008, CSIC produced 2,284 proceedings and 1,676 posters in national conferences, 783 PhD theses and 180 patents
- CSIC Strategic Plan 2010-2013 estimates that the next 3 years will yield 20,000 publications

CSIC ranking as a research institution

- SCIMAGO Institutions Rankings 2009 (Top 2000): 11th position (output, cites per document, international collaboration, normalized SJR, and normalized citation score)
- Ranking Web of World Research Centers 2010 (Top 3000): 18th position (size, visibility, rich files, Google Scholar)

Publishing habits: mostly journals, conference papers and monographs

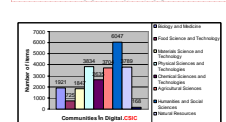


Digital.CSIC: Open access to science and digital memory

What is Digital.CSIC?

- Digital.CSIC is the multilingual repository of the Spanish National Research Council (CSIC) created by the project of Open Access to Science by CSIC (OpenAccess4Science)
- Launched in January 2008 to support citizens and researchers access to CSIC research centrally
- A CSIC Open Access Coordination Unit
- The 147 CSIC research centers and Institutes work in 18 specialized research areas
- Digital.CSIC uses an Open Access and Research Repository 2.0 software

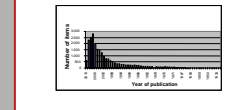
CSIC research in Digital.CSIC communities



Growing variety of intellectual output in Digital.CSIC

Category	Count
Article preprints	13,135
Conference papers	1,139
Working papers, technical reports and preprints	1,480
Books and book chapters	1,362
Patents	465
Theses and dissertations	268
Other	352
Presentations	352
Digitized and learning material	149
Match compilations	148
Forums	119
Reviews	87
Videos	59
Maps	31
Software	7
Data sets	3

Overall CSIC scientific output in Digital.CSIC by publication year



CSIC researchers behavior

- Although a growing number of researchers self-archive, some factors still discourage participation:
 - Lack of full understanding of what open access is
 - Deposit process perceived as long and another administrative load
 - Fear of copyright breach

Services for researchers and librarians

Digital.CSIC services

- Its Technical Office:
- Raises awareness on open access and CSIC institutional repository
 - Trains CSIC researchers and librarians on how to archive and use Digital.CSIC
 - Provides consultancy on copyright issues
 - Produces guides, manuals, studies and useful resources
 - Makes technological innovations for new services
 - Collaborates with like minded initiatives within CSIC and elsewhere

Measuring usage

- Nearly 3,800,000 visits and more than 2,700,000 downloads of full texts worldwide in 2 years and a half
- United States is no.1 user, followed by Spain, United Kingdom and Mexico
- Digital.CSIC has developed its own set of statistics recently, which produces detailed usage reports and deposit trends by center



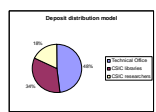
Developing an impact model

- CSIC scientists increasingly follow usage of their output in Digital.CSIC to measure impact and diffusion of their research



Who deposits in Digital.CSIC?

- Digital.CSIC Technical Office
- CSIC librarians and other technical staff
- CSIC scientists
- Visiting fellows and scholars
- CSIC PhD and Masters students
- CSIC emeritus professors



Digital.CSIC organization

Digital.CSIC policies

- Content and collection policy
- Services policy
- Metadata policy
- Data policy
- Deposit policy
- Editing, retention, replacement and withdrawal policy
- Statistics policy
- Privacy policy
- Preservation policy
- Format policy