

Aspectos cuantitativos y cualitativos de la Web científica

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Agenda

- Contenidos en la Web
 - Indicadores cuantitativos
 - Evaluación de la calidad
- La Web académica
 - Situación actual: Producción formal e informal
 - Brecha digital
 - Internet invisible
- Patrimonio digital científico
 - Políticas e iniciativas
 - Métodos

Indicadores cuantitativos

- Volumen de objetos
 - Tamaño: ficheros informáticos ~documentos
 - Visibilidad: enlaces hipertextuales
- Consumo de información
 - Visitas
- Métodos
 - Robots
 - Motores de búsqueda



Indicadores Web

Webometrics Ranking of World Universities

[home](#) | [world countries](#) | **world rank** | [european rank](#) | [latin american rank](#) | [spain rank](#)

> home > top 3000

Data

[Top 3000 Universities](#)

[Top USA & Canada](#)

[Top Latin America](#)

[Top Europe](#)

[Top Asia](#)

[Top Oceania](#)

[Top Africa](#)

[Top 500 R&D Institutes](#)

[Google Position by Domain](#)

[Distribution by Country](#)

[Specials](#)

[Best Practices](#)

Top 3000 Universities

[First](#) | [Previous](#) | [Next](#) | [Last](#) | Universities 1 to 50 of 3000

WORLD RANK	UNIVERSITY	COUNTRY	POSITION		
			SIZE	VISIBILITY	RICH FILES
1	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		1	1	8
2	UNIVERSITY OF CALIFORNIA BERKELEY		2	2	2
3	STANFORD UNIVERSITY		4	5	1
4	HARVARD UNIVERSITY		3	3	13
5	CORNELL UNIVERSITY		6	4	12
6	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN		8	6	3
7	UNIVERSITY OF TEXAS AUSTIN		9	8	7
8	UNIVERSITY OF WASHINGTON		5	12	5
9	UNIVERSITY OF MICHIGAN		11	7	19
10	UNIVERSITY OF WISCONSIN MADISON		10	10	9
11	UNIVERSITY OF MINNESOTA		14	9	6
12	PENNSYLVANIA STATE UNIVERSITY		7	24	4
13	COLUMBIA UNIVERSITY NEW YORK		13	16	27
14	UNIVERSITY OF PENNSYLVANIA		19	13	31
15	CARNEGIE MELLON UNIVERSITY		33	15	10
16	UNIVERSITY OF CALIFORNIA LOS ANGELES		15	19	30
17	UNIVERSITY OF VIRGINIA		20	14	49
18	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL		43	11	25

Catalogue

[Universities by country](#)

[R&D Centres by country](#)

Information

[Methodology](#)

[Glossary](#)

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[Disclaimer](#)

Internet invisible

The image shows a screenshot of the PubMed website. At the top, the NCBI logo is on the left, and the PubMed logo with the URL www.pubmed.gov is in the center. To the right, it says "A service of the National Library of Medicine and the National Institutes of Health". There are links for "My NCBI", "Sign In", and "Register".

The search bar contains "PubMed" in the dropdown and "oncology" in the text field. Below the search bar are buttons for "Limits", "Preview/Index", "History", "Clipboard", and "Details". The "Display" dropdown is set to "Summary", "Show" is "20", and "Sort by" is "Relevance". The results show "All: 128892" and "Review: 22102".

The first five search results are listed:

- 1: [Yong W, Zheng W, Zhu J, Zhang Y, Wei Y, Wang X, Lin N, Xie Y, Xu B, Li J.](#)
Midline NK/T-cell lymphoma nasal-type: treatment outcome, the effect of L-asparaginase based regimen, and prognostic factors.
Hum Oncol. 2005 Dec 2; [Epub ahead of print]
PMID: 16323259 [PubMed - as supplied by publisher]
- 2: [Chamberlain MC, Tsao-Wei DD, Groshen S.](#)
Salvage chemotherapy with cyclophosphamide for recurrent temozolomide-refractory anaplastic astrocytoma.
Cancer. 2005 Dec 1; [Epub ahead of print]
PMID: 16323194 [PubMed - as supplied by publisher]
- 3: [Grunhagen DJ, de Wilt JH, Graveland WJ, van Geel AN, Eggermont AM.](#)
The palliative value of tumor necrosis factor alpha-based isolated limb perfusion in patients with metastatic sarcoma and melanoma.
Cancer. 2005 Dec 1; [Epub ahead of print]
PMID: 16323177 [PubMed - as supplied by publisher]
- 4: [Kuendgen A, Schmid M, Schlenk R, Knipp S, Hildebrandt B, Steidl C, Germing U, Haas R, Dohner H, Gattermann N.](#)
The histone deacetylase (HDAC) inhibitor valproic acid as monotherapy or in combination with all-trans retinoic acid in patients with acute myeloid leukemia.
Cancer. 2005 Dec 1; [Epub ahead of print]
PMID: 16323176 [PubMed - as supplied by publisher]
- 5: [Konski A, Watkins-Bruner D, Brereton H, Feigenberg S, Hanks G.](#)
Long-term hormone therapy and radiation is cost-effective for patients with locally advanced prostate carcinoma.
Cancer. 2005 Dec 1; [Epub ahead of print]
PMID: 16323175 [PubMed - as supplied by publisher]

At the bottom, a Google search box is overlaid with the text "site:ncbi.nlm.nih.gov/entrez/query.fcgi" in the search field. The Google logo is on the left, and the word "Web" is on the bottom left. The search results show "Results 1 - 29 of about 10,200,000".

Evaluación de la calidad

- Ausencia de control documental
 - Fracaso de los metadatos
- Ciertos sectores muy institucionalizados
- Sitations (=site citations)
 - Naturaleza hipertextual de la Web
 - Evaluación por pares
- Volcados
 - Consumo de información

Herramientas



[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

Scholar

Results 1 - 100 of about 628

[THE SYMBOL GROUNDING PROBLEM](#)

S **Harnad**, B Section - *Arxiv preprint cs.AI/9906002*, 1999 - [arxiv.org](#)
arXiv:cs.AI/9906002 v1 1 Jun 1999 Harnad, S. (1990) The Symbol Grounding Problem.
Physica D 42: 335-346. THE SYMBOL GROUNDING PROBLEM. ...
[Cited by 668](#) - [Cached](#) - [Web Search](#) - [comlab.ox.ac.uk](#) - [amor.rz.hu-berlin.de](#) - [eprints.ecs.soton.ac.uk](#) - [all 18 versions >](#)

[Categorical perception: the groundwork of cognition](#)

SR **Harnad**, S **Harnad** - 1987 - [print.google.com](#)
Page 1. O1TEGORIQIL PERCEPTION The Groundwork of Cognition EDITED BY STEVAN HARNAD · · · · · Page 2. Categorical perception ...
[Cited by 205](#) - [Web Search](#) - [eprints.ecs.soton.ac.uk](#) - [citebase.eprints.org](#) - [all 10 versions >](#) - [Library Search](#)

[Post-Gutenberg Galaxy: The Fourth Revolution in the Means of Production of Knowledge](#) - [Enlaces CSIC](#)

S **Harnad**, LC et Mouvement - *Public-Access Computer Systems Review*, 1991 - [cindoc.csic.es](#)
Page 1. Harnad, S. (1991) Post-Gutenberg Galaxy: The Fourth Revolution in the Means of Production of Knowledge. *Public-Access Computer ...*
[Cited by 97](#) - [View as HTML](#) - [Web Search](#) - [eprints.ecs.soton.ac.uk](#) - [nicoladoering.de](#) - [citebase.eprints.org](#) - [all 13 versions >](#)

citebase **Search** [Help](#)
([Impact](#)) [Health-Warning](#)

[Metadata](#) [Citation](#) [OAI Identifier](#)

Author(s) (explain?)	<input type="text" value="harnad"/>
Title/Abstract Keywords	<input type="text"/>
Publication title	<input type="text"/>
Creation Date	from <input type="text"/> until <input type="text"/>
Rank matches by:	<input type="text" value="Descending"/> <input type="text" value="Citations (Paper)"/> explain? <input type="button" value="Search"/> <input type="button" value="Clear"/>

Showing 1 - 10 of 216 found [1-100 in [XML](#), [Refer](#), [BibTeX](#), [RSS](#)]

Query took 0.102 seconds

[The Symbol Grounding Problem](#) [[Abstract/Citations](#)]

65 **Harnad, Stevan** (1999-06-01) *In* PHYSICA D 42 335 (1999)
How can the semantic interpretation of a formal symbol system be made intrinsic to the system, rather than just parasitic on the meanings in our heads? How can the meanings of the meaningless symbol tokens, manipulated solely on the basis of their (arbitrary) shapes, be grounded in anything but ot ...

[Darboux Coordinates and Liouville-Arnold Integration in Loop Algebras](#) [[Abstract/Citations](#), [Cached PDF](#)]

33 **Adams, M. R.**; **Harnad, J.**; **Hurtubise, J.** (1992-10-16) *In* Communications in Mathematical Physics 155 385 (1993)
Darboux coordinates are constructed on rational coadjoint orbits of the positive frequency part $\mathfrak{wt}(\mathfrak{trk}(\mathfrak{g}))^+$ of loop algebras. These are given by the values of the spectral parameters at the divisors corresponding to eigenvector line bundles over the associated spectral curves, defined within a ... Comment: 61 pgs

Algunas opciones

- Nuevas unidades
 - Unidad institucional ~ unidad lógica (dominio)
- Nuevos métodos
 - Motores de búsqueda
- Recursos de valor añadido
 - Formatos ricos
 - Documentos administrativos
 - Producción académica y científica
 - Formatos media

Motores de búsqueda

Search Engine Report of MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Size

Yahoo	4,950,000	Google	68,200,000
MSN	1,985,951	Teoma	2,302,000
Gigablast	Not Available	Exalead	358,032

Visibility

Yahoo	3,980,000	MSN	4,034,620
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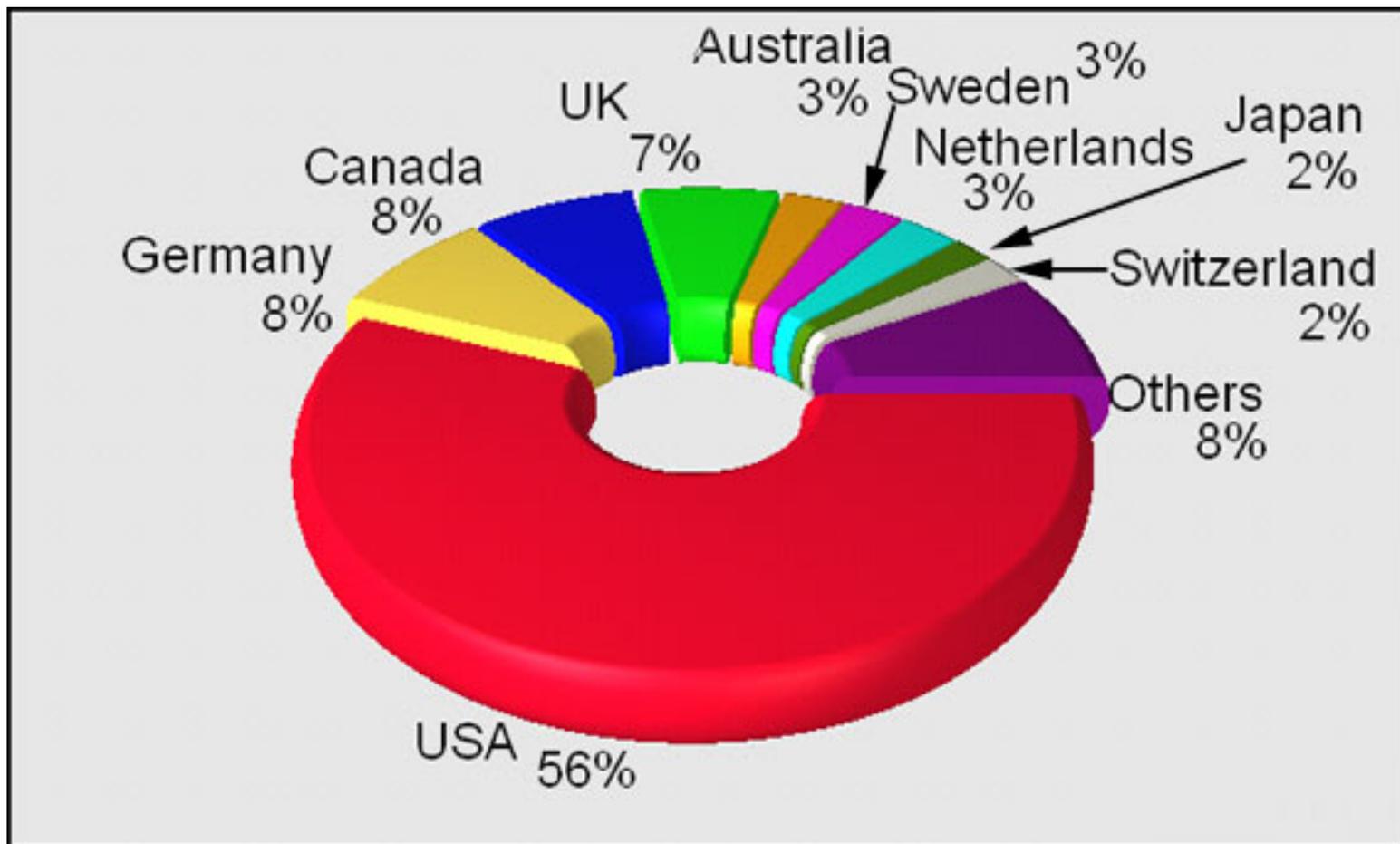
Google Rich Files

PDF	1,130,000	DOC	28,100
PPT	33,500	PS	145,000

Brecha digital

- Diferentes ritmos
 - Diferencias notables entre ambos lados del Atlántico
 - “Colonialismo” de las páginas en inglés
- Visibilidad diferencial
 - Incorporación a procesos de evaluación

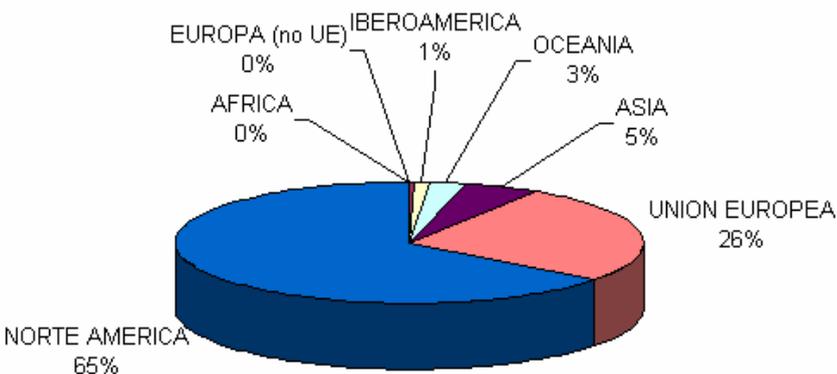
Presencia en la Web



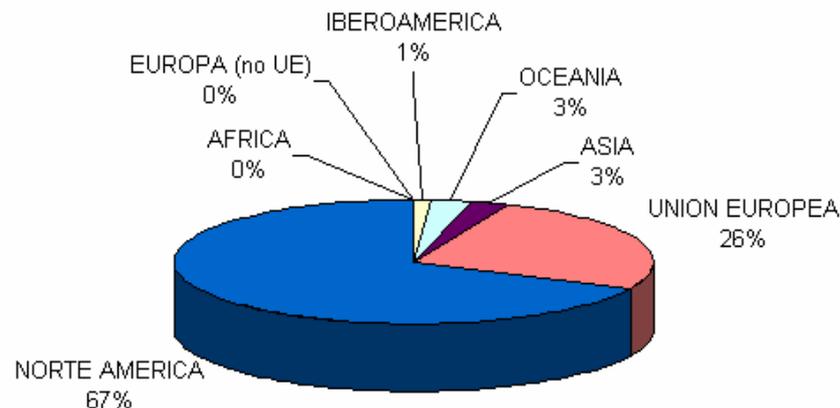
Distribución por países de las 200 primeras universidades de acuerdo a criterios cibernéticos (www.webometrics.info). Noviembre 2005

Tamaño Web

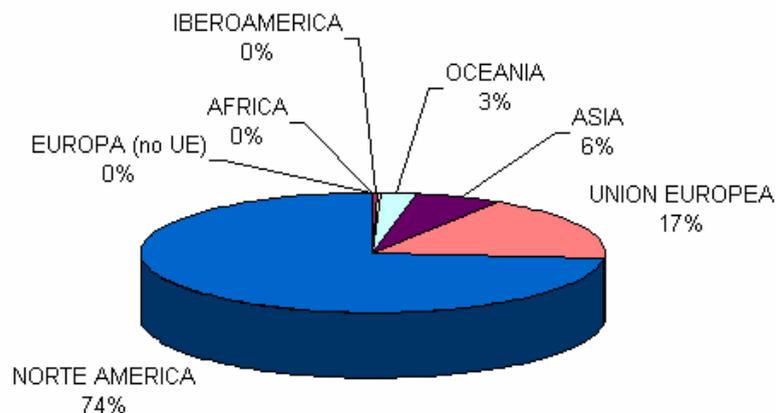
GOOGLE



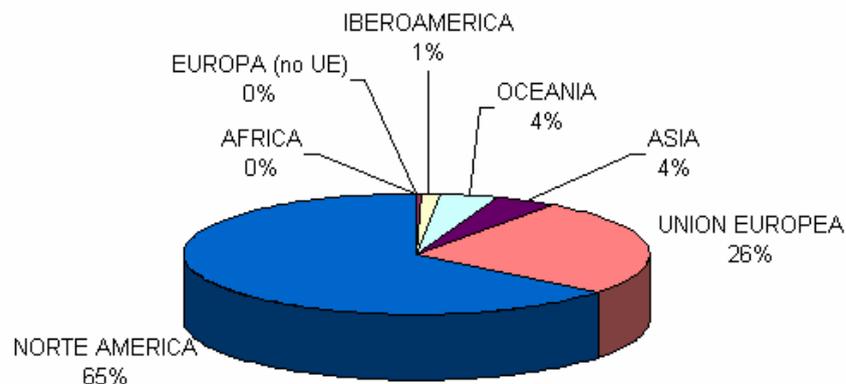
YAHOO



TEOMA



MSN



Ficheros ricos

	pdf	doc	ps	ppt
EUROPA (no UE)	29.200	10.500	1.190	372
AFRICA	54.750	17.300	11.700	740
OCEANIA	104.900	17.025	2.110	2.612
IBEROAMERICA	136.689	31.356	6.836	3.873
UNION EUROPEA	144.330	17.672	18.475	2.647
ASIA	144.125	26.169	11.203	11.341
NORTE AMERICA	181.717	24.225	12.927	10.546

Media de ficheros ricos entre las primeras 500 primeras universidades de acuerdo a criterios cibernéticos (www.webometrics.info). Noviembre 2005

Políticas e iniciativas

- Creación de repositorios institucionales
 - Apoyo y resultado de políticas de *Open Access*
 - Falso debate sobre evaluación por pares (*pre vs. post-print*)
 - En busca de la obligatoriedad institucional
- Actuaciones complementarias
 - Software “freeware”
 - EPrints (Univ. Southampton)
 - CDSWare (CERN)
 - Fedora (Cornell/Virginia)
 - DSpace (MIT)
 - Incorporación a bbdd “evaluables”
 - ISI Web Citation Index
 - Google Scholar

Limitaciones

- Enfasis sólo en la comunicación formal
- Lista “amplia” de componentes deseables
 - Borradores/manuscritos
 - *Pre-prints*
 - *Post-prints*
 - Datos en bruto
 - Software
 - Libros (descatalogados) y capítulos individuales
 - Memorias administrativas y técnicas
 - Tesis y tesinas
 - Material para cursos
 - Presentaciones a congresos y seminarios. Conferencias
 - Ficheros media
 - **Archivo Web**

Métodos

- Auto-archivo
 - Documentos propios en páginas personales
 - Documentos propios en repositorios institucionales
 - Documentos propios en repositorios temáticos
- Intranet
 - Captura de documentos
 - Archivo Web

Ejemplos

Articles for Detailed Information - new
Thomson Scientific
3301 Market Street
Philadelphia, PA 19104 U.S.A.
THOMSON

President & Founding Editor
The Scientist
400 Market Street, Suite 1250
Philadelphia, PA 19106-2001, U.S.A.

TheScientist

Member John Scott Medal
Advisory Committee
City Trusts, Philadelphia
21 South 12th Street
Philadelphia, PA 19107
U.S.A.

John Scott Awards

Past President ASIS&T
American Society for
Information Science & Technology
Washington, DC 20061-5109,
U.S.A.

Member
Board of Overseers, Librarians
University of Pennsylvania
Philadelphia, PA 19104,
U.S.A.

Board Member
Research America
900 King Street, Suite 400 East
Alexandria, VA 22304
U.S.A.

asis&t **PENN** **Research America**



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E-mail: garfield@corleu.ca.upenn.edu

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[Abstracts, Homeography \(How To\)](#)
[Index of JIST/Doc Files](#)
[New - Citation Classic Commentaries](#)
[New - Essays by Category](#)
[Art Sponsored by Eugene Garfield & JIST](#)
[Research America ...](#)

[The Eugene Garfield Economic Impact of Medical and Health Research Award](#)

- [Education](#)
- [Career Overview](#)
- [Professional Positions](#)
- [Awards and Honors](#)
- [Scientific and Professional Associations](#)
- [Editorial and Board Memberships](#)

• [Bibliography of articles, letters, presentations, not published in Current Contents, 1952-present](#)

YAHOO! SEARCH [Web](#) [Images](#) [Video](#) [Directory](#) [Local](#) [News](#) [Shopping](#)

originurlextension:pdf site:garfield.library.upenn.edu

My Web BETA

Search Results

Results 1 - 100 of about 7,640

Google [Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [Scholar](#) [more »](#)

filetype:pdf site:www2004.org [Advanced Search](#) [Preferences](#)

Web

Results 1 - 100 of about 465

The Thirteenth International World Wide Web Conference

New York NY
New York, NY
May 17-20 2004

PROGRAM
NYC
SCHEDULE
REGISTRATION

CHAIRS
PHOTO GALLERY
PAST & FUTURE CONFERENCES
RELATED EVENTS



[WWW2004 Features](#)

Links

- [WWW2004 Conference proceedings](#)
- [Awards presented at the conference](#)
- [W3C Track Presentations](#)
- [Tim Berners-Lee's keynote speech](#)

The International World Wide Web Conference Committee (IW3C2) and the Association for Computing Machinery (ACM) held the 13th World Wide Web Conference in New York City, 17-22 May 2004.

Beginning with the first international WWW Conference in 1994, this prestigious series, organized by the International World Wide Web Conference Committee (IW3C2), has provided a public forum for the WWW Consortium (WSC) through the annual W3C track.

The technical program included refereed paper presentations, alternate track presentations, plenary sessions, panels, and poster sessions. Tutorials and workshops preceded the main program, and a Developers Day, devoted to in-depth technical sessions designed specifically for web developers, followed. [Click here to view the conference proceedings.](#)

The WWW2004 conference was held in Manhattan at the [Sheraton Hotel and Towers](#) 811 7th Avenue at 53rd Street, New York, NY 10019 (212) 561-1000

For additional information, please contact Mae Isaac, info@www2004.org



Plan to enjoy WWW and New York in 2004!

Programas personales

garfield2005b.tpp - Teleport Pro

File Project View Help

http://garfield.library.upenn.edu/

Filename	Type	Size	Date	Url
A1979HF62100001.pdf	application/pdf	110901	12/05/2005	http://garfield.library.upenn.edu/classics1979/A1979HF62100001.pdf
A1993MF68300001.pdf	application/pdf	154727	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993MF68300001.pdf
A1984TD25400001.pdf	application/pdf	238459	12/05/2005	http://garfield.library.upenn.edu/classics1984/A1984TD25400001.pdf
A1982PP53900001.pdf	application/pdf	238634	12/05/2005	http://garfield.library.upenn.edu/classics1982/A1982PP53900001.pdf
A1983QM45700002.pdf	application/pdf	187052	12/05/2005	http://garfield.library.upenn.edu/classics1983/A1983QM45700002.pdf
A1981MT33000001.pdf	application/pdf	84197	12/05/2005	http://garfield.library.upenn.edu/classics1981/A1981MT33000001.pdf
A1990ED42400001.pdf	application/pdf	216420	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990ED42400001.pdf
A1990ED42200001.pdf	application/pdf	216407	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990ED42200001.pdf
A1985AC52600001.pdf	application/pdf	217717	12/05/2005	http://garfield.library.upenn.edu/classics1985/A1985AC52600001.pdf
A1984RY18000001.pdf	application/pdf	248531	12/05/2005	http://garfield.library.upenn.edu/classics1984/A1984RY18000001.pdf
A1993LM25300001.pdf	application/pdf	151021	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993LM25300001.pdf
A1993LL19400001.pdf	application/pdf	151025	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993LL19400001.pdf
A1990E337600001.pdf	application/pdf	239788	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990E337600001.pdf
A1990E337000001.pdf	application/pdf	239780	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990E337000001.pdf
A1979HZ25100001.pdf	application/pdf	159748	12/05/2005	http://garfield.library.upenn.edu/classics1979/A1979HZ25100001.pdf
A1993KV05800001.pdf	application/pdf	157196	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993KV05800001.pdf
A1993KV05900001.pdf	application/pdf	157191	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993KV05900001.pdf
A1985AQP2600001.pdf	application/pdf	247259	12/05/2005	http://garfield.library.upenn.edu/classics1985/A1985AQP2600001.pdf
A1981LU68900001.pdf	application/pdf	121963	12/05/2005	http://garfield.library.upenn.edu/classics1981/A1981LU68900001.pdf
A1981MF70300001.pdf	application/pdf	150040	12/05/2005	http://garfield.library.upenn.edu/classics1981/A1981MF70300001.pdf
A1982NE45300001.pdf	application/pdf	245612	12/05/2005	http://garfield.library.upenn.edu/classics1982/A1982NE45300001.pdf
A1982M292700001.pdf	application/pdf	248813	12/05/2005	http://garfield.library.upenn.edu/classics1982/A1982M292700001.pdf
A1984TC33900001.pdf	application/pdf	283952	12/05/2005	http://garfield.library.upenn.edu/classics1984/A1984TC33900001.pdf
A1980JL67000001.pdf	application/pdf	128684	12/05/2005	http://garfield.library.upenn.edu/classics1980/A1980JL67000001.pdf
A1983QV00900001.pdf	application/pdf	160257	12/05/2005	http://garfield.library.upenn.edu/classics1983/A1983QV00900001.pdf
A1993LV33800001.pdf	application/pdf	140732	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993LV33800001.pdf
A1993LV33500001.pdf	application/pdf	140728	12/05/2005	http://garfield.library.upenn.edu/classics1993/A1993LV33500001.pdf
A1988N318000001.pdf	application/pdf	225477	12/05/2005	http://garfield.library.upenn.edu/classics1988/A1988N318000001.pdf
A1992HX83800002.pdf	application/pdf	143599	12/05/2005	http://garfield.library.upenn.edu/classics1992/A1992HX83800002.pdf
A1980KP92100001.pdf	application/pdf	119862	12/05/2005	http://garfield.library.upenn.edu/classics1980/A1980KP92100001.pdf
A1982NR91700001.pdf	application/pdf	248269	12/05/2005	http://garfield.library.upenn.edu/classics1982/A1982NR91700001.pdf
A1988Q298200001.pdf	application/pdf	235758	12/05/2005	http://garfield.library.upenn.edu/classics1988/A1988Q298200001.pdf
A1983QK62700001.pdf	application/pdf	248445	12/05/2005	http://garfield.library.upenn.edu/classics1983/A1983QK62700001.pdf
A1982NE45200001.pdf	application/pdf	273910	12/05/2005	http://garfield.library.upenn.edu/classics1982/A1982NE45200001.pdf
A1978EH08500003.pdf	application/pdf	121789	12/05/2005	http://garfield.library.upenn.edu/classics1978/A1978EH08500003.pdf
A1987G956200001.pdf	application/pdf	281999	12/05/2005	http://garfield.library.upenn.edu/classics1987/A1987G956200001.pdf
A1984SW51900001.pdf	application/pdf	224498	12/05/2005	http://garfield.library.upenn.edu/classics1984/A1984SW51900001.pdf
A1979HT61000001.pdf	application/pdf	113726	12/05/2005	http://garfield.library.upenn.edu/classics1979/A1979HT61000001.pdf
A1990DM11100001.pdf	application/pdf	222376	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990DM11100001.pdf
A1990DM10900001.pdf	application/pdf	222381	12/05/2005	http://garfield.library.upenn.edu/classics1990/A1990DM10900001.pdf
A1988P925300001.pdf	application/pdf	262824	12/05/2005	http://garfield.library.upenn.edu/classics1988/A1988P925300001.pdf
A1988P925500001.pdf	application/pdf	262818	12/05/2005	http://garfield.library.upenn.edu/classics1988/A1988P925500001.pdf
A1985ASK1600002.pdf	application/pdf	261579	12/05/2005	http://garfield.library.upenn.edu/classics1985/A1985ASK1600002.pdf
A1992HT15900001.pdf	application/pdf	135002	12/05/2005	http://garfield.library.upenn.edu/classics1992/A1992HT15900001.pdf
A1992HQ91700001.pdf	application/pdf	134996	12/05/2005	http://garfield.library.upenn.edu/classics1992/A1992HQ91700001.pdf
A1983QB30100002.pdf	application/pdf	130838	12/05/2005	http://garfield.library.upenn.edu/classics1983/A1983QB30100002.pdf
A1981L786500002.pdf	application/pdf	131667	12/05/2005	http://garfield.library.upenn.edu/classics1981/A1981L786500002.pdf
A1988L783200001.pdf	application/pdf	216437	12/05/2005	http://garfield.library.upenn.edu/classics1988/A1988L783200001.pdf
A1981LE35900001.pdf	application/pdf	142717	12/05/2005	http://garfield.library.upenn.edu/classics1981/A1981LE35900001.pdf
A1984TR91100001.pdf	application/pdf			

Thread 1: Receiving index-ics.html: 133832 bytes (98%)

1993 files queued 8148 requested

InternetLab

Pdf-servation

- Unidad documental rota
 - Varias páginas Web = documento
 - Multitud de archivos
- Captura Web mediante Adobe Acrobat
 - Un único fichero
 - Enlaces internos y externos activos
 - Protección contra copia

Web capture

The screenshot displays the Adobe Acrobat Professional interface with the following elements:

- Toolbar:** Includes options for Archivo, Edición, Ver, Documento, Comentarios, Herramientas, Avanzadas, Ventana, and Ayuda. Below this is a secondary toolbar with icons for Seleccionar, zoom (33,33%), and Ayuda.
- Left Panel (Marcadores):** A list of 28 captured pages, including:
 - www.cindoc.csic.es
 - CINDOC-Centro de Información y Documentación Científica
 - CINDOC-Contacto y Accesos
 - CINDOC-Tarifas
 - CINDOC-Mapa del web
 - CINDOC-Centro de Información y Documentación Científica
 - CINDOC-Presentación
 - CINDOC-Personal
 - Microsoft Word - memoria04b.doc
 - CINDOC-Centro de Información y Documentación Científica
 - CINDOC-Líneas de Investigación
 - CINDOC-Grupos de Investigación
 - CINDOC-Proyectos de Investigación
 - Resultados de Investigación
 - Bases de datos CSIC
 - http://www.cindoc.csic.es/isis/isis.htm
 - CINDOC-Biblioteca
 - CINDOC-Centro de Documentación en Acuicultura (CDA)
 - Revista Española de Documentación Científica
 - Cybermetrics. Electronic journal of scientometrics, informet
 - Informes accesibles en línea.
 - CINDOC-Búsquedas bibliográficas
 - http://www.cindoc.csic.es/servicios/docen2.html
 - CINDOC-Servicio de Traducciones
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 - CINDOC-History and Objectives
- Main Content Area:** A grid of six preview thumbnails of the CINDOC website:
 - Top-Left:** Home page with navigation menu and main content area.
 - Top-Right:** 'Producción y Servicios del CINDOC' page.
 - Middle-Left:** 'Producción Científica' page.
 - Middle-Right:** 'Contacto y Accesos' page.
 - Bottom-Left:** 'Servicio de Traducciones' page.
 - Bottom-Right:** 'Mapa del web' page showing a site map.
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- Aboriginal Affairs Victoria
- Aboriginal and Torres Strait Islander Commission submission to the ATSIC Review Team for the development of its discussion paper on the reassessment of indigenous participation in the development of Commonwealth policies and programs
- Aboriginal and Torres Strait Islander health bulletin
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- Aboriginal Housing Company website
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Conclusiones

- Existe un volumen notable de contenidos en sedes Web académicas y de I+D
- Una parte sustancial aparece en formatos ricos, ligados a la comunicación de la actividad científica
- La preservación de dichos contenidos es esencial y compatible con las iniciativas de *Open Access* y creación de repositorios institucionales y temáticos
- Sin embargo, la preservación debe ser más amplia e involucrar un verdadero Archivo Web de cualquier material publicado
- Se proponen métodos sencillos para crear portales personales e institucionales dedicados al patrimonio digital científico

