# How to keep a Virtual Library Active ?



### Mannina B., Quoniam L., Rostaing H. CRRM http://crrm.univ-mrs.fr

# Hold a Virtual Library Active ? The different methods.

## Manual

The Webmaster must find new links to add.

# **Semi-Automatic**

Somebody use a CGI program to add a new link, and the Webmaster must verify this new link.

# Automatic

The Webmaster must configure only once the software for create the new Virtual Library.



# Manual Method











Internet





#### Congress





Book

News









WebMaster Virtual Library

Add a new link to the Virtual Library

(WWW)

Mailing List









# Manual Method

# Advantage

- Internet Links are relevant.
- The Webmaster choose only relevant Internet Links.

# Disadvantage

- The Webmaster must test frequently the new and the old internet link.
- The Virtual Library depends on the time that the webmaster allocate to it.
- The Internet Links are not exhaustive.

# Update

• Once a Week

# Time spended

• Frequently



# Semi-Automatic Method

# Semi-Automatic - STEP 1/3

| Back Reload H  | 🟠 🗻 🗟 🚽 📽 📲<br>Ione Search Neticope  |   |
|--|--|---|
| 📲 Bookmarks 🤱 Location He  | ///Dl/namina/4/netricle.Html   | 💌 🌍 "What's Raiwad  |
| Dybermetrics is the International<br>Impact of the Internet on these<br>Application of bibliometric meth<br>Evaluation of electronic scientifi<br>Dybermetrics is published in Engli | disciplines and researchers,<br>ods to the analysis of scientificcommunication in the<br>c journals in the World Wide Web. | cientometrics, Bibliometrics and Informetrics, with specialemphasis on three areas:<br>e Web and the Usenet,<br>tharge by the Centro de Información y DocumentaciónCientífica (CINDOC) of the |
| SCIENCE AND TECHNOLOG  |  | al-BIN Link.  |
| a. International Conference o  | n Scientometrics and Informetrics  | $\backslash$  |
| 7a. International Conference o   | n Scientometrics and Informetrics  | Information Science<br>Strategie Management<br>Intellectual & Industrial Property   |
| 7a. International Conference o   |  | · 775.  |

### HomePage of the Virtual Library CGI link "Add Your Ressources"

# Semi-Automatic - STEP 2/3

| E-Mail address : Ottr#Bortm. univ-mes.fc<br>ment's Heading : A Bev Internet Link<br>: [http://uww.NewInternetLink.edu<br>ICS : [Bblometrics.Informetrics ]<br>DMENTS :<br>link deal with a new method to hold a virtual<br>ary active.   | Vatual Litrary : Information Science - Netscape<br>1 Edit Verv Bo Communicator Help | _is         |
|--|---|-------------|
| Example & Loosien We//CU/Hereneo/Afform/Here<br>E-Mail address : OCCR#OCCED, UNIV-mcs.fc<br>meent's Heading : A Bev Internet Link<br>: Inttp://www.NewInternetLink.edu<br>ICS : [Bibliometrics, Informetrics]]<br>DMENTS :<br>link deal with a new method to hold a virtual<br>ary active.<br>SEND YOUR COMMENTS | <b>3 3 3 3 3 3 4 1</b>  |             |
| E-Mail address : orr#@orrm.univ-mcs.fr<br>ment's Heading : A Bew Internet Link<br>: [http://www.NewInternetLink.edu<br>ICS : [Bibliometrics.Informetrics ]<br>IMENTS :<br>link deal with a new method to hold a virtual<br>ary active.<br>SEND YOUR COMMENTS   |   | C What Bear |
| ment's Heading : A Bev Internet Link : http://www.NewInternetLink.edu ICS : Bibliometrics.Informetrics  DMENTS : Iink deal with a new method to hold a virtual ary active. SEEND YOUR COMMENTS   |   |             |
| ment's Heading : A Bev Internet Link : http://www.NewInternetLink.edu ICS : Bibliometrics.Informetrics  DMENTS : Iink deal with a new method to hold a virtual ary active. SEEND YOUR COMMENTS   |   |             |
| ment's Heading : A Bev Internet Link : http://www.NewInternetLink.edu ICS : Bibliometrics.Informetrics  DMENTS : Iink deal with a new method to hold a virtual ary active. SEEND YOUR COMMENTS   |   |             |
| ment's Heading : A Bev Internet Link : http://www.NewInternetLink.edu ICS : Bibliometrics.Informetrics  DMENTS : Iink deal with a new method to hold a virtual ary active. SEEND YOUR COMMENTS   | our E-Mail address : orrmeorrm.univ-mes.fr  |             |
| : http://www.NewInternetLink.edu<br>ICS : Bibliometrics.Informetrics<br>IMENTS :<br>link deal with a new method to hold a virtual<br>ary active.   |   |             |
| ICS : Bibliometrics, Informetrics  | omment's Heading :  A New Internet Link   |             |
| ICS : Bibliometrics, Informetrics  | RT http://www.NewInternetLink.edu   |             |
| DMENTS :<br>link deal with a new method to hold a virtual<br>ary active.<br>SEND YOUR COMMENTS   |   |             |
| link deal with a new method to hold a virtual ary active.  | OPICS : Bibliometrics, Informetrics   |             |
| link deal with a new method to hold a virtual ary active.  |   |             |
| SEND YOUR COMMENTS   | OMMENTS :   |             |
| SEND YOUR COMMENTS   |   |             |
|  | his link deal with a new method to hold a virtual                                   |             |
|  | RRN   |             |
|  | -   |             |
|  |   |             |
|  |   |             |
| Back to the Virtual Library  | SEND YOUR COMMENTS  |             |
| Back to the Virtual Library  |   |             |
| Back to the Virtual Library  |   |             |
|  |   |             |
|  | Back to the Virtual Library   |             |
|  | Back to the Virtual Library   |             |
| Document Dans  | Back to the Virtual Library   |             |

Common Gateway Interface (CGI) "Add Your Ressources "

# Semi-Automatic - STEP 3/3



WebMaster : Verification of the new Internet Link.

Add a new Internet Link in the Virtual Library

# Hold a Virtual Library Semi-Automatic

## Advantage

- Internet Links are relevant.
- The new link does not only come from the Webmaster.

# Disadvantages

- The Webmaster must test all the new internet links.
- The webmaster must also test the old internet links.
- The internet links are not exhaustive.
- A lot of new internet links are not relevant, the webmaster must cancel them.

# Update

• Once a Week

# Time spended

• 1 Hour a Week

# **CRRM** Experience

## For 10 New links every month:

- -7 links are not relevant.
- 2 links are relevant.
- And 1 link is very relevant.



# **Automatic Method**

# Automatic - STEP 1/3

| LESAGENTS INTELLIGENTS - Netscape                         |  |
|---|--|
|   | 👫 🍜 👔 👔<br>Guide Imprimer Sécurité Antites |
| Signets 🎪 Adresse: http://193.51.109.166/mb/perso/index2. | html                                       |
| AURESYS CONFIG : SPECIALE                                 |  |
| Recherche sur   | Le Web                                     |
| dans  | Tous les langages 💌                        |
| Requête ALTAVISTA :<br>(and, or, not, near, *)            | bibliometr* scientometr* cybermetr*        |
| Ranking :   |  |
| Date Inférieure :   |  |
| Date Supérieure :   | ex. 21/Mar/96                              |
| Entrez votre Login  | mannina                                    |
| Nom de la Base  | Virtual3-30/04/99                          |
| Requête AURESYS :<br>(and or not () *)                    | bibliometr* scientometr* cybermetr*        |
| Profondeur de parcours de l'hypertexte                    | 3  |
| pour les pages contenant moins de                         | 60 liens hypertextes                       |
| Caractéristique de parcour de la recherche                | Pages Non Sélectionnées utilisées          |
|   | Lancer la Recherche                        |
|   |  |
| Document: chargé  |  |
| Démarrer 🙀 LES AGENTS INTE 🖹 Paint Shop Pro               |  |

### Configuration of the Research

# Automatic - STEP 2/3

|   |                          | HOST /          | URLS                       |                         | HOST / PERTINENCE · H                       | OST / DOMAINE  |   |
|---|--------------------------|-----------------|----------------------------|-------------------------|---|--|---|
|   | Host Pointant Sur        | Lost Dointé Day | Best                       | Urle                    | Host  | Informatif Normal CateWa   |   |
|   | <->                      | >.<             | 272                        | 2                       | ma161u06.u-3mrs.fr                          |  | C C   |
|   | 5-2                      |                 | 243                        | 3                       | elib.cs.sfix.ca                             | 2 0  |   |
|   |                          |                 | 185                        | 25                      | www.cyber-metrics.com                       | 0 22 0   | 2   |
|   |                          | 2-5             | 167                        | 1                       | www.cindoc.csic.es                          | 1 0 0  | 8   |
|   | <u>&lt;.5</u>            |                 | 157                        | 2                       | www.hi.is                                   | 0 2 0  | - C   |
|   | <u>&lt;-&gt;</u>         | 2-5             | 132                        | 1                       | bizserve.com                                | 0 1 0  | 9   |
|   | <.5                      |                 | 129                        | 1                       | www.maktvmae.com                            | n n n  | 3   |
|   |                          |                 |                            | nal Bo                  |   |  | a Mictual Former denoted to the   |
| * <u>D</u><br>* <u>L</u>                        | tion de la répartition d | and a           | Guide I<br>Issues          | Cont                    | 27 increased capabilitie                    | ith an Electronic-only Journal and<br>nalysis of scholarly and scientific<br>hers to publish and discuss their fis<br>s to distribute their results to a gre | dings. Internet offers them ne  |
| • D<br>• L<br>• T<br>• Visualise<br>• Visualise | atea                     | es : × 1        | Guide I<br>Issues<br>Fot 2 | Com<br>1 (199<br>3 (199 | TCE The topics covered informetric research | nalysis of scholarly and scientific<br>hers to publish and discuss their fir   | communications. It is open to<br>dings. Internet offers them ne<br>ater audience.<br>of scientometric, bibliometric<br>aspects related to Internet, |

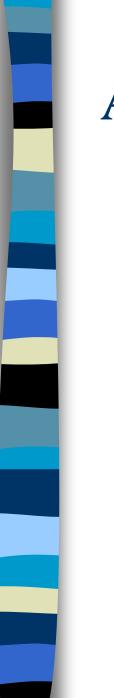
### New Virtual Library Automatic

### Result of the new Virtual Library

scientometry or scientometri\* or bibliometri\* or bibliometry or cybermetri\* or cybermetry

| Selectionnés / Total       | 749 / 4138 |
|----------------------------|------------|
| Non Selectionnés & Taille  | 3389 / 364 |
| Erreurs                    | 622        |
| Autres (Domaine, Protocol) | 71         |

749 urls selected for 4138 urls visited (Depth 2)



# Automatic - STEP 3/3



# WebMaster do a Low Verification

### Add a new Virtual Library

# Hold a Virtual Library Automatic

## Advantage

- Internet Links are relevant.
- Saving lot of time.
- Update is quickly realised.
- Update can be also automatic.
- The exhaustivity is nearly total.

# Disadvantage

- The webmaster must choose the good keywords for the research to have a relevant library.
- Virtual Library is an instantaneous picture of the web.

## Update

Once a Month

## **Time spended**

• Five Minutes a Month

# **CRRM** Experience

- More than 700 results (~300 hosts).
- Friendly user-interface
- Possibilities of new process with the virtual library result (bibliometrics process).
- Easy to update.



### Mannina B., Rostaing H., Quoniam L. CRRM http://crrm.univ-mrs.fr

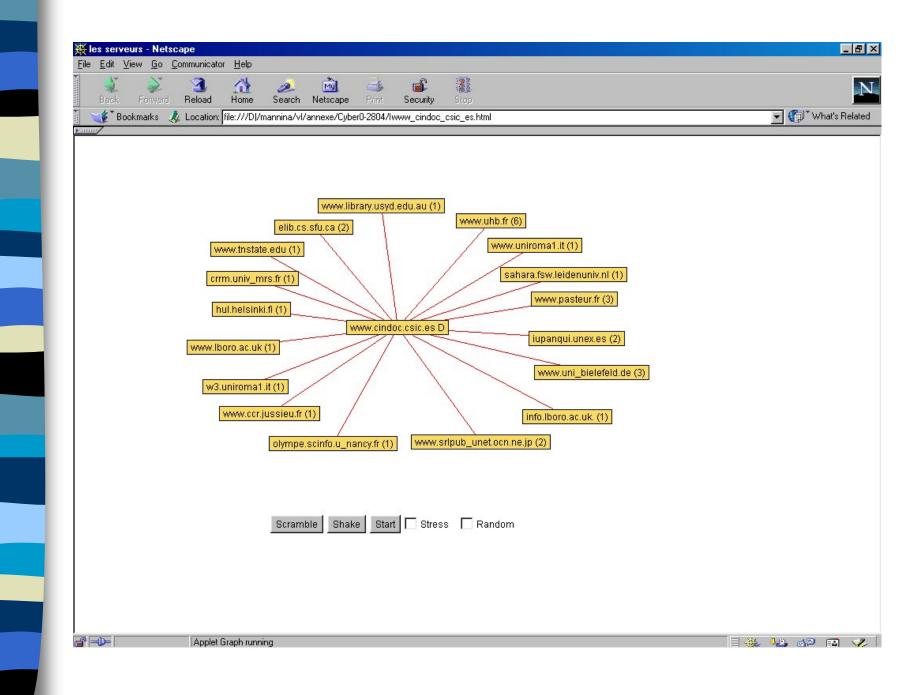
#### 💥 Netscape File Edit View Go Communicator Help

N

| В     | ck Forward  | Reload Home         |                      | pe F     | vint.  | Security Stop      |
|-------|-------------|---------------------|----------------------|----------|--------|--------------------|
|       | Bookmarks 🙏 | Location: file:///D | /mannina/vl/annexe/( | Cyber0-2 | 804/Cy | /ber0-2804HS.html  |
| Fanny |             |                     | HOST / I             | PERTI    | NEN    | CES - HOST /       |
|       | Hos         | t Pointant Sur      | Host Pointé Par      | Pert.    | Urls   | Ho                 |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 102      | 30     | www.visit.com      |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 96       | 30     | crrm.univ-mrs.fr   |
|       |             |                     | >.<                  | 82       | 29     | www.foresightwet   |
|       |             |                     |                      | 185      | 25     | www.cyber-metric   |
|       |             | <->                 | >.<                  | 94       | 17     | www.cybermetric:   |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 76       | 17     | sahara.fsw.leidenu |
|       |             |                     | >.<                  | 67       | 14     | www.cybermetrix.   |
|       |             | <->                 | >.<                  | 99       | 12     | www.cybermetric.   |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 30       | 12     | www.asis.org       |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 36       | 11     | www.oclc.org       |
|       |             |                     |                      | 74       | 11     | www.ro.unsw.edu    |
|       |             | <u>&lt;-&gt;</u>    | >-<                  | 59       | 11     | ai.iit.nrc.ca      |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 39       | 10     | www.the-scientist. |
|       |             |                     | >.<                  | 121      | 10     | www.cybermetric:   |
|       |             |                     | >-<                  | 40       | 9      | bubl.ac.uk         |
|       |             |                     | >.<                  | 46       | 9      | www.chem.uva.nl    |
|       |             | <u>&lt;-&gt;</u>    | >.<                  | 75       | 9      | www.db.dk          |
|       |             |                     | >.<                  | 59       | 9      | www.sussex.ac.uk   |
|       |             |                     | >.<                  | 37       | 8      | www.dtic.mil       |

|                  | HOST / F        | PERTI | NENO | CES - HOST/URLS - <u>HOS</u>        | TT DOMA   | <u>une</u> |          |            | r. |
|------------------|-----------------|-------|------|-------------------------------------|-----------|------------|----------|------------|----|
| Pointant Sur     | Host Pointé Par | Pert. | Urls | Host                                | Informati | Normal     | Gate Way | Formulaire |    |
| <u>&lt;-&gt;</u> | >-<             | 102   | 30   | www.visit.com                       | 8         | 21         | 0        | 1          |    |
| <->              | >-<             | 96    | 30   | crrm.univ-mrs.fr                    | 14        | 14         | 2        | 0          |    |
|                  | >-<             | 82    | 29   | www.foresightweb.com                | 8         | 20         | 0        | 1          |    |
|                  |                 | 185   | 25   | www.cyber-metrics.com               | 0         | 22         | 0        | 3          |    |
| <->              | >-<             | 94    | 17   | www.cybermetrics.net                | 3         | 11         | 1        | 2          |    |
| <->              | >-<             | 76    | 17   | sahara.fsw.leidenuniv.nl            | б         | 7          | 1        | 3          |    |
|                  | >-<             | 67    | 14   | www.cybermetrix.co.uk               | 3         | 10         | 0        | 1          |    |
| <u>&lt;-&gt;</u> | >-<             | 99    | 12   | www.cybermetric.com                 | 5         | 4          | 0        | 3          |    |
| <->              | >.<             | 30    | 12   | www.asis.org                        | 11        | 0          | 0        | 1          |    |
| <u>&lt;-&gt;</u> | >.<             | 36    | 11   | www.oclc.org                        | 9         | 2          | 0        | 0          |    |
|                  |                 | 74    | 11   | www.ro.unsw.edu.au                  | 0         | 6          | 5        | 0          |    |
| <u>&lt;-&gt;</u> | >-<             | 59    | 11   | ai.iit.nrc.ca                       | 3         | 7          | 0        | 1          |    |
| <->              | >-<             | 39    | 10   | www.the-scientist.library.upenn.edu | 10        | 0          | 0        | 0          |    |
|                  | >-<             | 121   | 10   | www.cybermetrics.com                | 1         | 9          | 0        | 0          |    |
|                  | >-<             | 40    | 9    | bubl.ac.uk                          | 6         | 0          | 0        | 0          |    |
|                  | >.<             | 46    | 9    | www.chem.uva.nl                     | 5         | 4          | 0        | 0          |    |
| <u>&lt;-&gt;</u> | >.<             | 75    | 9    | www.db.dk                           | 7         | 2          | 0        | 0          |    |
|                  | >.<             | 59    | 9    | www.sussex.ac.uk                    | 7         | 2          | 0        | 0          |    |
|                  | >-<             | 37    | 8    | www.dtic.mil                        | 6         | 2          | 0        | 0          |    |
| <u>&lt;-&gt;</u> | >.<             | 55    | 8    | tpac.gcatt.gatech.edu               | 4         | 4          | 0        | 0          |    |
| <->              | >.<             | 79    | 7    | ix.db.dk                            | 4         | 3          | 0        | 0          |    |
|                  |                 | 30    | 7    | www.dgps.de                         | 0         | 0          | 0        | 7          |    |
|                  | >.<             | 36    | 6    | www.sri.com                         | 5         | 1          | 0        | 0          |    |
|                  |                 | 53    | 5    | www.uni-duesseldorf.de              | 1         | 4          | 0        | 0          |    |





| Exit Years Go Commerciant Help         Date:       Forward Reladed Hone Search Natocop For Security Store         Image: Security Securi  | ₩ Netscape   | _ 8 ×   |
|---|--|---|
| Deb:       Failed Note:       Security Stop         Image: Security Stop       Image: Security Stop         Image: S  |  |   |
| Image: Second                                     |  | N   |
| CTTRL unity-mrs.ft     Normal, Formulaire, ClassWay, Informatif       (179): 50 - D.: mm.unity-mstation/control     (2000)       (179): 50 - D.: D.: Address', Edition/EDI: SOTTWARE FOR ANALYSIS OF DOWNLOADED DATA     (2000)       (170): 51 - D.: D.: Control Software Main Science     (2000)       (2000): 51 - D.: The Work/WW ford     (2000)       (2001): 51 - D.: Device Million     (2000)       (2001): 51 - D.: Device Million     (2000)       (2001): 51 - D.: Device Million     (2000)       (2011): 51 - D.: Device Million     (2000)       (2013): 51 - D.: Contracts     (2000)       (2013): 51 - D.: mm.uniter Million     (2000)       (2013): 51 - D.: mm.uniter Million     (2000)       (2013): 51 - D.: mm.uniter Million     (2000)       (2014): 51 - D.: mm.uniter Million     (2000)       (2015): 51 - D.: mm.uniter Million     (2000)       (2016): 51 - D.: mm.uniter Million     (2000)   | 👔 🦋 Bookmarks 🛯 🙏 Location: file:///DI/mannina/vI/annexe/Cyber0-2804/crrm_univ-mrs_fr.html | 💌 🌍 🔭 What's Related  |
| Normal, Formulairs, GateWay, Informatif           (179): 5         I: muniterer #Ast&Conformation           (2): 6: 10         : DATA/UNX: BULLOMETEC: OFFWARE FOR ANALYSIS OF DOWIG.GADED DATA           (70): 6: 10         : CREME WAXX: Sever           (99): 6: 10         : SAR Conf. 6: Statemeter & Advance of Conf. Conf.           (70): 6: 10         : SAR Conf. 6: Statemeter & Advance of Conf.           (70): 6: 10         : Sar Conf. 8: Statemeter & Advance of Conf.           (73): 6: 10         : Deck and 15: Sever           (131): 7: 10         : ESI Math Pac           (137): 7: 10         : ESI Math Pac           (137): 7: 10         : ESI Math Pac           (137): 7: 10         : SEI Math Pac           (138): 7: 10         : SEI Math Pac           (139): 7: 10         : amuniterist factore fact  |  | and the second se |
| (179):5       D: :::::::::::::::::::::::::::::::::::  |  |   |
| (52):5       D.       PATAYNY EBLIOMETEIC SOFTWARE FOR ANALYSIS OF DOWNLOADED DATA         (70):5       D.       SERENT SOFTWARE FOR ANALYSIS OF DOWNLOADED DATA         (20):5       D.       SERENT SOFTWARE FOR ANALYSIS OF DOWNLOADED DATA         (20):5       D.       Serent Software Software Software Software         (20):5       D.       Serent Software Software Software Software         (31):5       D.       Serent Software Software Software         (43):5       D.       CONTRESICES         (44):5       D.       CONTRESICES         (43):5       D.       Serent Software         (13):5       D.       Serent Software Software         (13):5       D.       Contracts         (13):5       D.       Contracts         (13):5       D.       Serent Software Software Software         (13):5       D.       Contracts         (13):5       D.       Contracts         (13):5       D.       Serence Software         (13):5       D. <t< td=""><td></td><td></td></t<>  |  |   |
| (70): 5       D: :::::::::::::::::::::::::::::::::::  |  |   |
| (99): 5: 10: 1: htt World Wide Wei Vinde Lifewer : Information Sciences         (200): 5: 10: 1: The World Wide Wei Vinde Lifewer : Information Sciences         (181): 5: 1: The World Wide Wei Vinde Lifewer : Information Sciences         (181): 5: 1: The World Wide Wei Vinde Lifewer : Information Sciences         (181): 5: 1: The World Wide Wei Vinde Lifewer : Information Sciences         (181): 5: 1: The World Wide Wei Vinde Lifewer : Information Sciences         (181): 5: 1: 1: Sciences         (183): 5: 1: 1: Sciences         (183): 5: 1: 1: 1: Sciences         (183): 5: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:   |  |   |
| (200): 5: D: The World Wide Web Unnul Library : Manualine Sciences         (181): 5: D: The World Wide Web Unnul Library : Manualine Sciences         (78): 5: D: Denset on 1551 Server         (74): 5: D: CONFERENCES         (64): 5: D: Server         (77): 5: D: Server on 1551 Server         (78): 5: D: Server on 1551 Server         (78): 5: D: Server         (78): 5: D: CONTRACTS         (79): 5: D: contracts         (77): 5: D: contracts         (78): 5: D: contracts         (77): 5:  |  |   |
| (181): 5: D: The World Wide Web Visual Leave : Information Science         (78): 5: D: : Bowte on 1551 Sever         (74): 5: D: : CONFERENCES         (76): 5: D: : Status na         (77): 5: D: : Status na         (78): 5: D: : CONFERENCES         (78): 5: D: : convertues files/conference dural         (173): 5: D: : convertues files/conference dural         (181): 5: D: : convertues files/conference dural         (191): 5: D: : convertues files/conference dural         (192): 6: D: : convertues files/conference dural         (192): 6: D: : convertues files/conference dural         (192): 6: D: : convertue files/conference dural         (192): 6: D: : convertue files/conference duration         (203): 5: D: : convertue files/conference duration         (203): 6: D: : convertue files/conference duration         (203): 6: D: : convertue files/conference duration         (203): 6: D: : convertue files/conference duratin         (203): 6: D: : co   |  |   |
| (78): 5: 0:       Perture on ISSI Barry         (74): 5: 0:       convergences         (64): 5: 0:       convergences         (73): 5: 0:       Perture on ISSI Barry         (137): 5: 0:       STEA         (73): 5: 0:       Converse files/conference intal         (74): 5: 0:       converse files/conference intal         (75): 5: 0:       converse files/conference intal         (76): 5: 0:       converse files/conference         (77): 5:   |  |   |
| (74):5:0::::::::::::::::::::::::::::::::::  |  |   |
| (64): 5: 0       : CONFERENCES         (76): 5: 0: : SEMAN Page       : (SS) Main Page         (43): 5: 0: : SEMA       : (SS) Main Page         (78): 5: 0: : CONTACTS       : (SS) : (SS): SEMAN Page         (133): 5: 0: : CONTACTS       : (SS): SEMAN Page         (133): 5: 0: : CONTACTS       : (SS): SEMAN Page         (133): 5: 0: : : CONTACTS       : (SS): SEMAN Page         (133): 5: 0: : : : : : : : : : : : : : : : :   |  |   |
| (76): <b>5</b> : <b>D</b> : <b>20</b> ets on 1531 Server         (137): <b>5</b> : <b>D</b> : 1551 Main Page         (43): <b>5</b> : <b>D</b> : 2FEA         (78): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (131): <b>5</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (131): <b>5</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (140): <b>5</b> : <b>D</b> : 1001TACTS         (131): <b>5</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (131): <b>5</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>5</b> : <b>D</b> : 1001TACTS         (131): <b>6</b> : <b>D</b> : 1001TACTS         (132): <b>5</b> : <b>D</b> : 1001TACTS         (133): <b>6</b> : <b>D</b> : 1001TACTS         (131): <b>6</b> : <b>D</b> : 1001TACTS         (132): <b>6</b> : <b>D</b> : 1001TACTS         (133): <b>6</b> : <b>D</b> : 1001TACTS         (131): <b>6</b> : <b>D</b> : 1001TACTS         (132): <b>6</b> : <b>D</b> : 1001TACTS         (133): <b>6</b> : <b>D</b> : 1001TACTS  |  |   |
| (137): 5: 10: :::::::::::::::::::::::::::::::   |  |   |
| (43): 5: 10: SFEA         (78): 5: 10: CONTACTS         (153): 5: 10: CONTACTS         (123): 5: 10: Communication for the second structure for the second structu   |  |   |
| <pre>(78): 5: 1: 1: CONTACTS (153): 5: 1: 2: ACTIVITIES (123): 5: 1: 3: an universe friendenne hml (91): 5: 1: 3: an universe friendenne hml (140): 5: 1: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3:</pre>  |  |   |
| (153): 5: 1: ACTIVITES         (123): 5: 1: 1: am universe difestivene intel         (91): 5: 1: 1: am universe difestivene intel         (140): 5: 1: 1: am universe difestivene intel         (140): 5: 1: 1: 2PEESENTATION         (99): 5: 1: 1: 2PEESENTATION         (99): 5: 1: 1: am universe difestivene intel         (131): 5: 1: 1: am universe difestivene intel         (132): 5: 1: 1: 2PEESENTATION         (99): 5: 1: 1: am universe difestivene intel         (131): 5: 1: 1: am universe difestivene intel         (132): 5: 1: 1: 2PEESENTATION         (99): 5: 1: 1: 2PEESENTATION         (132): 5: 1: 1: 2PEESENTATION         (133): 5: 1: 1: 2PEESENTATION         (140): 5: 1: 1: 2PEESENTER         (151): 5: 1: 2PEESENTER         (152): 5: 1: 2PEESENTER         (153): 5: 1: 2PEESENTER         (153): 5: 1: 2PEESENTER         (153): 5: 1: 2PEESENTER         (153): 5: 1: 2PEESENTER         (154): 5: 1: 2PEESENTER         (155): 5: 1: 2PEESENTER         (156): 5: 1: 2PEESENTER         (157): 5: 1: 2PEESENTER         (158): 5: 1: 2PEESENTER         (158): 5: 1: 2PEESENTER         (159): 5: 1: 2PEESENTER         (150): 5: 1: 2PEESENTER         (151): 5: 1: 2PEESENTER         (152): 5: 1: 2PEESENTER<   |  |   |
| (123): □: □: □: □: □: □: □: □: □: □: □: □: □:   |  |   |
| (91): []: []: []: []: []: []: []: []: []: []  |  |   |
| (140): 5: 0       : om univers friendelen/pictures html         (132): 5: 0       : PEESENTATION         (99): 5: 0       : om univers friendelen/pictures html         (81): 5: 0       : om univers friendelen/pictures html         (60): 5: 0       : om univers friendelen/pictures         (86): 5: 0       : OERM Softwards         (67): 5: 0       : DATACODE, easy and fast mapping of scientific research production         (62): 5: 0       : DATAELOC         (102): 5: 0       : OERM Commercial Products         (63): 5: 0       : OMPETITIVE INTELLIGENCE         (71): 5: 0       : om universe frigatewy/hth-sci/habscil Itml         (71): 5: 0       : om universe frigatewy/hth-sci/habscil Itml         (71): 5: 0       : om universe frigatewy/hth-sci/habscil Itml   |  |   |
| (132): :: :: :: :: :: :: :: :: :: :: :: :: :  |  |   |
| <pre>(81): :::::::::::::::::::::::::::::::::::</pre>  | (132): E: PRESENTATION   |   |
| <pre>(60): :::::::::::::::::::::::::::::::::::</pre>  | (99): 🗗 : 🛄 : ann. univ-mrs fr/issi/Sconf/thursday.html                                    |   |
| (86): D: CREM Softwares (67): D: DATACODE, easy and fast mapping of scientific research production (62): D: DATABLOC (102): D: DATABLOC (102): D: CREM Commercial Products (69): D: D: CREM Commercial Products (69): D: D: COMPETITIVE INTELLIGENCE (73): D: D: computer fr/gateway/info-sci/P html (71): D: D: computer fr/gateway/info-sci/Pixtegi html (71): D: D: computer fr/gateway/info-sci/Strategi html   |  |   |
| <pre>(67): D: D : DATACODE, essy and fast mapping of scientific research production (62): D: DATABLOC (102): D: D : DATABLOC (102): D: D : CREM Commercial Products (69): D : D : CREM Commercial Products (69): D : D : COMPETITIVE INTELLIGENCE (73): D : D : community-mass filgateway/indo-sci/Massel latml (71): D : C : community-mass filgateway/indo-sci/Massel latml (71):</pre> |  |   |
| (62): I: D: DATABLOC         (102): I: D: CRRM Commercial Products         (69): I: D: CRRM Commercial Products         (69): I: D: COMPETITIVE INTELLIGENCE         (73): I: D: COMPETITIVE INTELLIGENCE         (71): I: D: Community-mass filgateway/indo-sci/Strategi.html         (70): I: D: Community-mass filgateway/indo-sci/Strategi.html   |  |   |
| (102): : : : : : : : : : : : : : : : : : :  |  |   |
| (69): □: □: : : : : : : : : : : : : : : : :   |  |   |
| (86): Im: COMPETITIVE INTELLIGENCE         (73): Im: Im: universes filgsterrey/indo-sci/ktoscil.html         (71): Im: Im: Im: universes filgsterrey/indo-sci/Strategi.html         (70): Im: Im: Im: Universes filgsterrey/indo-sci/Strategi.html  |  |   |
| (73): Im: Im: universes filgateway/indo-sci/Indoscil.html         (71): Im: Im: Im: universes filgateway/indo-sci/Strategi.html         (70): Im: Im: Im: Im: Im: Im: Im: Im: Im: Im  |  |   |
| (71): 🗗 : 📴 : ann.univ-mrs.fr/gateway/info-sci/Strategi.html  |  |   |
|   |  | _   |
|   |  | -   |
|   |  |   |

| - 🌒 🔊 🚹 🔬 🖻 🚳 🐻   | N   |
|---|---|
| Back Forward Reload Home Search Netscape Print Security Stop  |   |
| 🛛 😻 Bookmarks 🦼 Location: file:///DI/mannina/vI/annexe/Cyber0-2804/PAGE/a19.html  | 💽 🌍 🖤 What's Related  |
|   |   |
|   | State State and State and State   |
| Cybermetrics. Electronic journal of scientometrics, informetrics a  | and bibliometrics   |
|   |   |
| Pertinence : 167  |   |
| Faille du fichier avec Tag: 12371 Octets  |   |
| Taille du fichier sans Tag: 3556 Octets   |   |
| Il y a <b>932</b> mots dans la page.  |   |
| Les Meta Tags :   |   |
| Nom : description   |   |
| Content : Cybermetrics is an electronic journal devoted to to the scientometrics, informetrics and bibliometrics and th   | ne scientific and scholarly communication in the  |
| Internet  |   |
| Nom : keywords  |   |
| Content : cybermetrics, scientometrics, informetrics, webmetrics, infometrics, internetometrics, webometrics, bibliom   | ietrics, research policy, research indicators, science  |
| ndicators, information science, scholarly information, research evaluation, scientometrie, bibliometrie   |   |
| Nom : keywords  | and the second design of the second design of the second se |
| Content : cibermetria, cienciometria, bibliometria, revistas electrónicas, informetria, infometria, scientific communicat<br>evaluation, research quality, aging and dispersion of scientific literature  | don, electronic journal, internet impact, science   |
| svandanon, research quamty, aging and dispersion of sciencific incratine  |   |
| Content : R&D management, informetric laws, informetric distributions, mathematical models of communication, cita   | ation analyses, impact factor, science citation index   |
| document retrieval, text retrieval, information retrieval, information and productivity, quantitative sociology of science  |   |
| latabases, interdisciplinary connections, scientific cooperation  |   |
| Nom : keywords  |   |
| Content : international research programs, science policy, cooperation between scientists, application of informetrics  | to file design, data compression, informetric   |
| applications to policy analysis   |   |
| Nom : GENERATOR<br>Content : Microsoft FrontPage Express 2.0  |   |
| Somerne . Whereboth Freihr age Express 2.0  |   |
|   |   |
| Il v a 4 image(s) dans la nage  |   |
|   | ermetry(0)  |
| ll y a <b>4</b> image(s) dans la page.<br>Mot(s) clé(s) recherché(s) : <b>scientometry</b> (0) <b>scientometri</b> (5) <b>bibliometri(</b> 2) <b>bibliometry</b> (0) <b>cybermetri</b> (5) <b>cyb</b><br>Nombre de mots clés trouvés : <b>3</b> | ermetry(0) .  |
| Mot(s) clé(s) recherché(s) : scientometry(0) scientometri(5) bibliometri(2) bibliometry(0) cybermetri(5) cyber<br>Nombre de mots clés trouvés : 3   | ermetry(0) .  |
| Mot(s) clé(s) recherché(s) : scientometry(0) scientometri(5) bibliometri(2) bibliometry(0) cybermetri(5) cyber  | ermetry(0) .  |

| <mark>∰Netscap</mark><br>_ <u>Fi</u> le _Edit _ | <u>V</u> iew <u>G</u> o <u>C</u> | Communicato | r <u>H</u> elp |        |          |       |          |      |  |
|---|----------------------------------|-------------|----------------|--------|----------|-------|----------|------|--|
|   | <b>`</b>                         | 3           |                | à      | My.      | -     | <b>B</b> | 1    |  |
| Back  | Forward                          | Reload      | Home           | Search | Netscape | Print | Security | Stop |  |

Adresse Père :

http://www.uhb.fr/urfist/InfomDEF.htm Adresse de la Page : http://www.cindoc.csic.es/cybermetrics/cybermetrics.html

#### Voici l'environnement des mots clés :

Cybermetrics News Editorial Board Guide for Authors Issues Contents Vol. 1 (1997) Vol. 2/3 (1998-9) \*\*\*\*\* The Source SCIENTOMETRICS News Research Groups Associations Scientists Papers & Abstracts E-Journals Conferences Mailing Lists Projects Directories and other resources TOOLS

- Updated 07/01/99 International Journal of Scientometrics, Informetrics and **Bibliometrics** ISSN 1137-5019 Cybermetrics is both an Electronic-only Journal and a Virtual Forum devoted to the study of the quantitative

- The Journal Cybermetrics News Editorial Board Guide for Authors Issues Contents Vol. 1 (1997) Vol. 2/3 (1998-9) \*\*\*\*\* The Source SCIENTOMETRICS

#### URL Internes :

a ad

http://www.cindoc.csic.es/cybermetrics/news.html http://www.cindoc.csic.es/cybermetrics/editors.html http://www.cindoc.csic.es/cybermetrics/authors.html http://www.cindoc.csic.es/cybermetrics/issues.html http://www.cindoc.csic.es/cybermetrics/vol1iss1.html http://www.cindoc.csic.es/cybermetrics/links00.html http://www.cindoc.csic.es/cybermetrics/links01.html http://www.cindoc.csic.es/cybermetrics/links12.html http://www.cindoc.csic.es/cybermetrics/links02.html http://www.cindoc.csic.es/cybermetrics/links03.html http://www.cindoc.csic.es/cybermetrics/links04.html http://www.cindoc.csic.es/cybermetrics/links13.html http://www.cindoc.csic.es/cybermetrics/links14.html http://www.cindoc.csic.es/cybermetrics/links15.html http://www.cindoc.csic.es/cybermetrics/links07.html http://www.cindoc.csic.es/cybermetrics/links08.html http://www.cindoc.csic.es/cybermetrics/links16.html http://www.cindoc.csic.es/cybermetrics/links09.html http://www.cindoc.csic.es/cybermetrics/links17.html http://www.cindoc.csic.es/cybermetrics/links18.html

Document: Done

#### 💥 Netscape

\_ 8 ×

<u>File E</u>dit ⊻iew <u>G</u>o <u>C</u>ommunicator <u>H</u>elp

|      | a de la composición de la comp | 3      |      | 2      | My       |       | i di fi  |    |
|------|--|--------|------|--------|----------|-------|----------|----|
| Back | Forward  | Reload | Home | Search | Netscape | Print | Security | St |
| 4 -  |  |        |      |        |          |       |          |    |



http://www.cindoc.csic.es/cybermetrics/links16.html http://www.cindoc.csic.es/cybermetrics/links09.html http://www.cindoc.csic.es/cybermetrics/links17.html http://www.cindoc.csic.es/cybermetrics/links18.html http://www.cindoc.csic.es/cybermetrics/links19.html http://www.cindoc.csic.es/cybermetrics/links05.html http://www.cindoc.csic.es/cybermetrics/links06.html http://www.cindoc.csic.es/cybermetrics/links20.html http://www.cindoc.csic.es/cybermetrics/links10.html http://www.cindoc.csic.es/cybermetrics/links10.html http://www.cindoc.csic.es/cybermetrics/links11.html http://www.cindoc.csic.es/

Il y a 27 URL interne(s) dans la page.

#### URL Externes :

http://es.nedstat.net/cgi-bin/viewstat?name=Cybermetrics http://www.csic.es/ Il y a 4 URL externe(s) dans la page.

Les Frames : Cette page ne contient pas de frame.

#### Les Images :

(Visualisation) : http://es.nedstat.net/cgi-bin/nedstat.gif?name=Cybermetrics(1) (Visualisation) : http://www.cindoc.csic.es/cybermetrics/cybermet2.gif(1) (Visualisation) : http://www.cindoc.csic.es/cybermetrics/blueline.gif(1) (Visualisation) : http://www.cindoc.csic.es/cybermetrics/cindoc.gif(1)

Niveau de profondeur : **1** Mails de la page : Aucun

Chemin : www.uhb.fr/urfist/InfomDEF.htm www.cindoc.csic.es/cybermetrics/cybermetrics.html

Type de page : Informatif

**-**

Document: Done

🗏 🌺 📲 🗗 🜠 🏒

