

**CESID 2005/2006 Formation complémentaire**

**Description bibliographique  
Sensibilisation au catalogage  
Pierre Gavin**

**6: Métadonnées**

# Dublin Core

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Quel rôle joue Dublin Core par rapport aux formats "classiques"?

Dublin Core = DC

<http://dublincore.org/>

[http://openweb.eu.org/articles/dublin\\_core/](http://openweb.eu.org/articles/dublin_core/)  
(en français)





# Dublin Core : Exemple

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**Title:** Nordic metadata project. Homepage

**Creator.PersonalName:** Hakala, Juha

**Creator.PersonalName.Address:** juha.hakala@helsinki.fi

**Subject:** metadata

**Subject:** Dublin Core metadata element set

**Description:** Nordic metadata projects create tools for creating, harvesting, indexing and converting Dublin Core metadata.

**Publisher:** Helsinki University Library

**Date:** 1999-03-05

**Type:** Text.Homepage

**Format:** text/html

**Identifier:** <http://www.lib.helsinki.fi/meta/index.html>

**Identifier:** URN:NBN:fi-fe19991055

**Language:** en

**Coverage.PlaceName:** Scandinavia

**Rights:** Public domain



# Dublin Core : Elements 1-15

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1. Title
2. Creator
3. Subject
4. Description
5. Publisher
6. Contributor
7. Date
8. Type
9. Format
10. Identifier
11. Source
12. Language
13. Relation
14. Coverage
15. Rights



# Dublin Core: Definition

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**The Dublin Core (DC) is a metadata element set intended to facilitate discovery of electronic resources.** Originally conceived for author-generated description of Web resources, it has attracted the attention of formal resource description communities such as museums, libraries, government agencies, and commercial organizations.

# Dublin Core : links

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## History Guide / InformationsWeiser Geschichte

<http://www.historyguide.de/>

## SWOP - Südwestdeutscher Online-Publikationsserver

<http://titan.bsz-bw.de/cms/public/swop/>





# Dublin Core : quel but?

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Originally conceived for author-generated description of Web resources [...]

[...] it has attracted the attention of formal resource description communities such as museums, libraries, government agencies, and commercial organizations.



# Dublin Core : et MARC21?

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"The Dublin Core provides an economical alternative to more elaborate description models such as the full MARC cataloging of the library world"

Vraiment ?



# Dublin Core : ALA (American Library Association)

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DC n'est pas un substitut au catalogage!

- information souvent insuffisante pour une identification précise
- sémantique insuffisante (absence de règles)



# Dublin Core / MARC21

## Dublin Core

- Autre contexte d'utilisation
- Métadonnées pas produites par des catalogueurs professionnels
- Efficacité => simplicité
- Type particulier de documents: les ressources électroniques

"So if MARC has traditionally been the **lingua franca** between humans and computers, and computers and computers, DC is the lingua franca between non-cataloguers and cataloguers."

# Dublin Core / MARC21

"There is no third way between cataloging, controlled vocabularies, etc. (expensive and effective) and the chaos of keyword searching on the Web (inexpensive and utterly ineffective)."

Michael Gorman

vraiment ?





# Dublin Core : développements

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Il y a place pour MARC **et** pour DC.

Le rêve de cataloguer **toutes** les "ressources" via MARC est irréaliste!



# OAI = Open Archives Initiative

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Idée de base: favoriser l'accès aux réservoirs d'articles en accès libre (**e-prints**)

En arrière-plan: toute la problématique des périodiques scientifiques hors de prix

Pour cela, définir des normes pour garantir la compatibilité:

- interopérabilité syntaxique (par ex. le format)
- interopérabilité sémantique (par ex. les règles de catalogage)

# Mouvement OAI

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[www.openarchives.org/](http://www.openarchives.org/) : site officiel pour le monde

[www.oaforum.org](http://www.oaforum.org) : site officiel pour l'Europe

<http://web.ccr.jussieu.fr/urfist/archives-ouvertes.htm> : article en français de G. Chartron: "Les archives ouvertes dans la communication scientifique", 2003

<http://www.tours.inra.fr/tours/doc/comsci.htm> : article en français de Hélène Bosc "La communication scientifique revue et corrigée par Internet", dernière mise à jour: 12 nov. 2003



# Archives ouvertes

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"Archives" = réservoirs d'informations

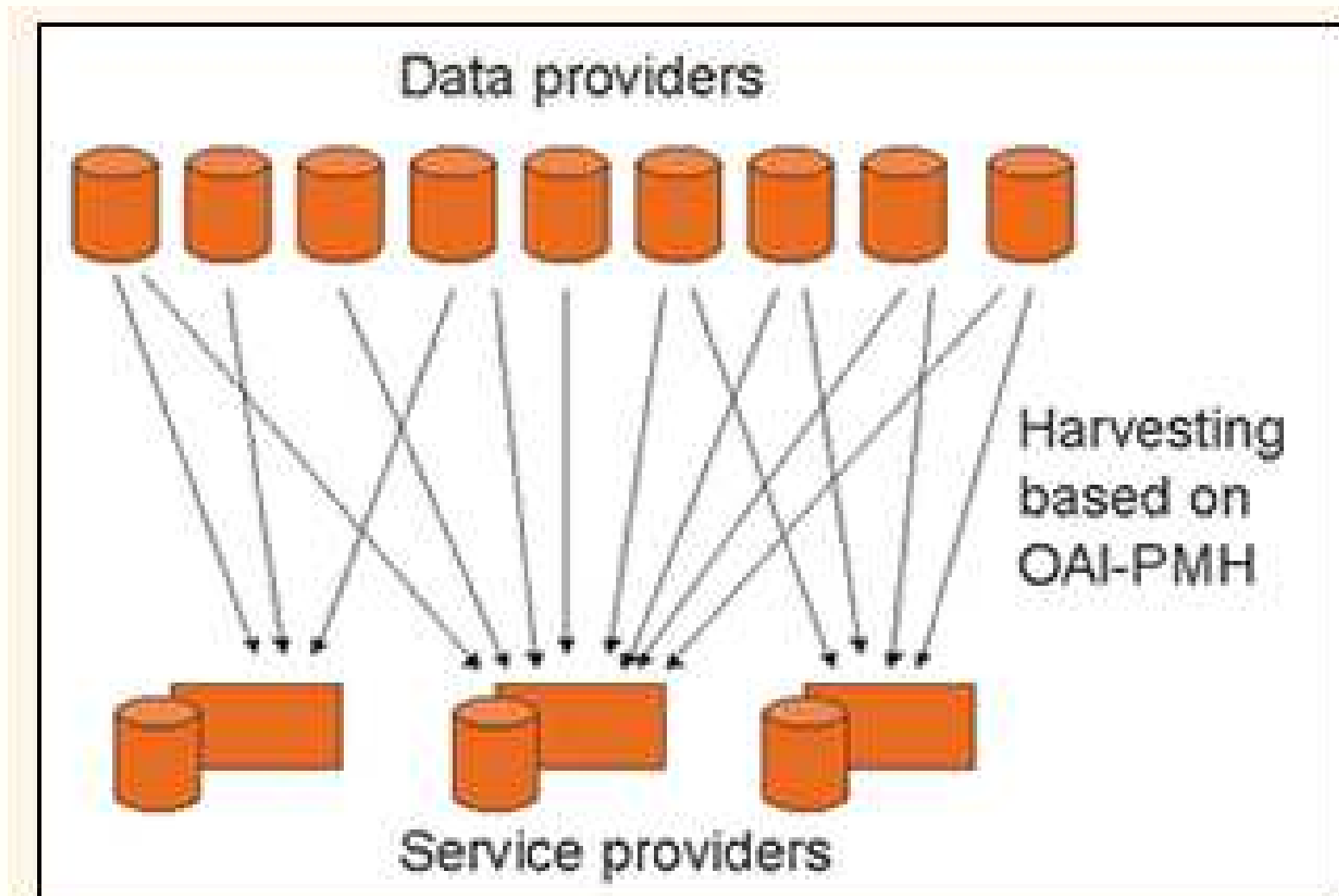
"Ouvertes" = protocoles communs (mais pas forcément gratuité)

Objectifs de OAI:

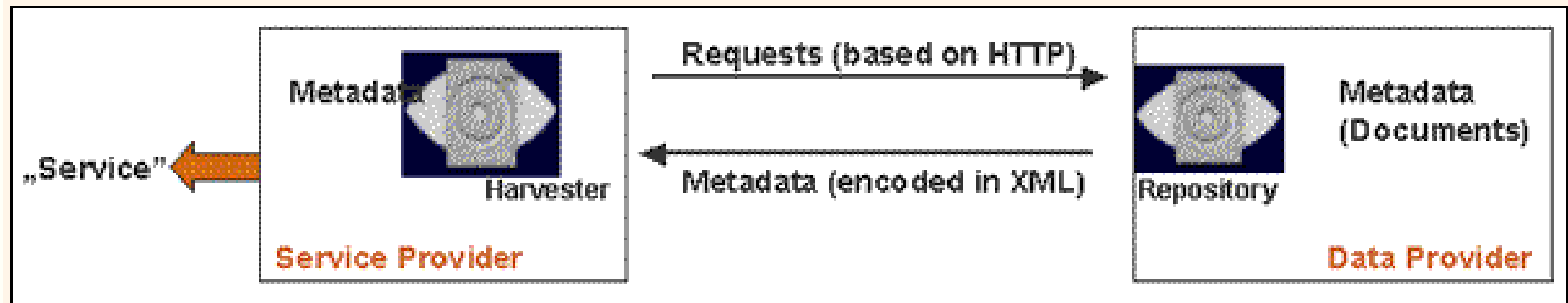
- "Développer et promouvoir des **sandards interopérables** pour les **bases d'articles scientifiques**."
- Définir un ensemble de protocoles techniques liés à l'interrogation des données et à leur description.
- Oeuvrer pour que la constitution d'archives électroniques devienne un processus établi dans la communication scientifique. "  
(Chartron)



# Architecture OAI



# Architecture OAI



**Data Provider:** serveur pour le stockage des e-prints d'une institution

Exemple: ETH E-Collection

**Service Provider:** serveur qui récolte les métadonnées des Data Provider

Exemple: OAIster





# Data Provider: par ex. **ETH E-Collection**

**ETH** *E-Collection*


The ETH E-Collection represents an innovative electronic publication platform for scientists of the ETH Zurich. The Project is a co-operative initiative of ETH World and the ETH-Bibliothek.

= Stockage de thèses, d'articles, de rapports etc. sous forme électronique



# Service Provider: par ex. OAIster

The screenshot shows the OAIster website with a navigation menu on the left and a main content area on the right. The navigation menu includes links for 'Search for Digital Resources', 'Browse Institutions / Data Providers', 'Future Search Improvements', 'Background / Project Description', 'Information for Potential Data Providers', and 'Staff'. The main content area features the OAIster logo (an open book) and the tagline '...find the pearls'. A URL is provided: <http://oaister.umdl.umich.edu/o/oaister/>. The main text describes OAIster as a project of the University of Michigan Digital Library Production Service, aiming to create a collection of freely available, previously difficult-to-access, academically-oriented digital resources. A button labeled 'Go to search now...' is present. At the bottom, it states '6,326,471 records from 577 institutions (updated 18 January 2006)'.



<http://oaister.umdl.umich.edu/o/oaister/>

Search for Digital Resources

Browse Institutions / Data Providers

Future Search Improvements

Background / Project Description

Information for Potential Data Providers

Staff

**OAIster** is a project of the [University of Michigan Digital Library Production Service](#). Our goal is to create a collection of freely available, previously difficult-to-access, academically-oriented digital resources ([what are digital resources?](#)) that are easily searchable by anyone.

Well-behaved repositories (without XML or UTF-8 errors) are updated on a weekly basis on Wednesdays. All other repositories are updated the first week of a month.

[Go to search now...](#)

**6,326,471 records** from **577 institutions**  
(updated 18 January 2006)



# Protocoles OAI, outils

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- HTTP
  - XML
  - Dublin Core
  - etc.
- 
- Logiciels pour l'auto-archivage
  - Logiciels pour la récolte de métadonnées
  - etc.

# Exemple OAIster

Your search was in **all fields** for "**france italy**" and in **all fields** for "**united states**".

You found **7 records**.

- \* [Revise your search](#) to retrieve fewer records.
- \* View your results, starting with **records 1 to 7 of 7**.

## Results by Institution

Sort by

California Digital Library (CDL)

**1 record**

NASA Technical Report Server (NTRS)

**1 record**

Research Papers in Economics (RePEc)

**4 records**

University of California eScholarship

Repository

**1 record**

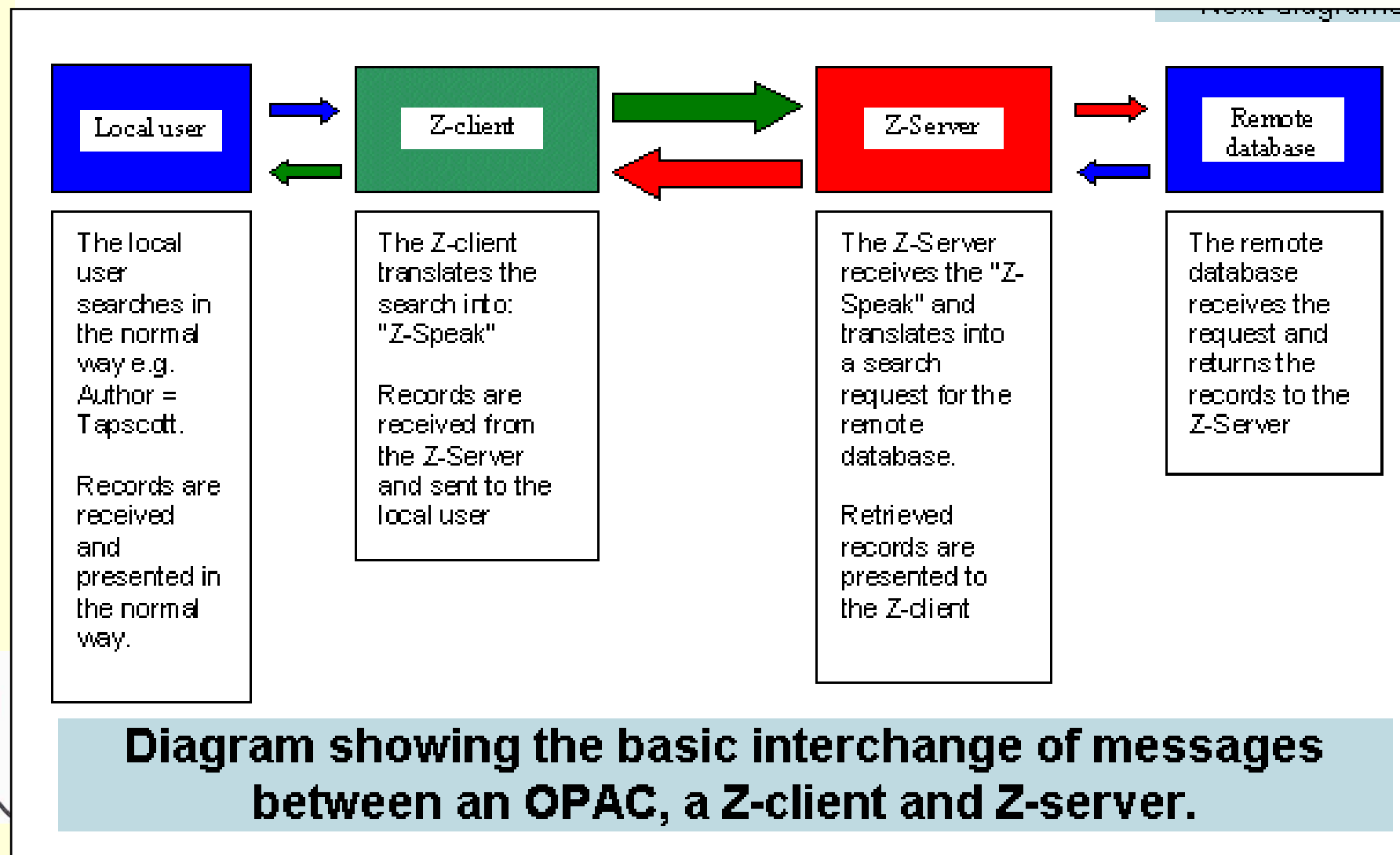
## Record 1 of 7

|                |  |
|----------------|--|
| Title          | Monetary Policy Rules in Practice: Some International Evidence |
| Author/Creator | Clarida, Richard   |
| Author/Creator | Galí, Jordi  |
| Author/Creator | Gertler, Mark  |
| Resource Type  | preprint   |
| Note           | RePEc:cpr:ceprdp:1750  |

Note This paper reports estimates of monetary policy reaction function (Germany, Japan and the **United States**) and the E3 (France, It that since 1979 each of the G3 central banks has pursued an imp may account for the broad success of monetary policy in those c evidence also suggests that these central banks have been forw inflation as opposed to lagged inflation. As for the E3, even prior



# Z39.50





| Parameter                   | Wert  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
|-----------------------------|---|---------------|------|-----------|------|-------------------|------|-------|---|--------------|---|------|---|------|---|---------------------|----|----------|----|------------|---|-----------|------|-----------------------------|----|---------------|----|---------------|------|
| Server                      | aleph.unibas.ch   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Port                        | 9909  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Database Name               | IDS_ANSEL   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Zeichensatz                 | ANSEL   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Database Name               | IDS_UTF   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Zeichensatz                 | UTF-8 (Unicode)   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Record Format               | USMARC  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Element Set                 | F   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Attribute Set               | <b>Bib-1 (subset)</b><br><table> <thead> <tr> <th>Search Field:</th> <th>Use:</th> </tr> </thead> <tbody> <tr> <td>Any Field</td> <td>1016</td> </tr> <tr> <td>Author, Corporate</td> <td>1003</td> </tr> <tr> <td>Title</td> <td>4</td> </tr> <tr> <td>Series title</td> <td>5</td> </tr> <tr> <td>ISBN</td> <td>7</td> </tr> <tr> <td>ISSN</td> <td>8</td> </tr> <tr> <td>Year of Publication</td> <td>31</td> </tr> <tr> <td>Keywords</td> <td>21</td> </tr> <tr> <td>Conference</td> <td>3</td> </tr> <tr> <td>Publisher</td> <td>1018</td> </tr> <tr> <td>Country of publication Code</td> <td>59</td> </tr> <tr> <td>Language Code</td> <td>54</td> </tr> <tr> <td>Material Type</td> <td>1031</td> </tr> </tbody> </table> | Search Field: | Use: | Any Field | 1016 | Author, Corporate | 1003 | Title | 4 | Series title | 5 | ISBN | 7 | ISSN | 8 | Year of Publication | 31 | Keywords | 21 | Conference | 3 | Publisher | 1018 | Country of publication Code | 59 | Language Code | 54 | Material Type | 1031 |
| Search Field:               | Use:  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Any Field                   | 1016  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Author, Corporate           | 1003  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Title                       | 4   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Series title                | 5   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| ISBN                        | 7   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| ISSN                        | 8   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Year of Publication         | 31  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Keywords                    | 21  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Conference                  | 3   |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Publisher                   | 1018  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Country of publication Code | 59  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Language Code               | 54  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Material Type               | 1031  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |
| Z39.50 Services             | search<br>present<br>delSet<br>scan<br>sort<br>extendedServices<br>namedResultSets  |               |      |           |      |                   |      |       |   |              |   |      |   |      |   |                     |    |          |    |            |   |           |      |                             |    |               |    |               |      |

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