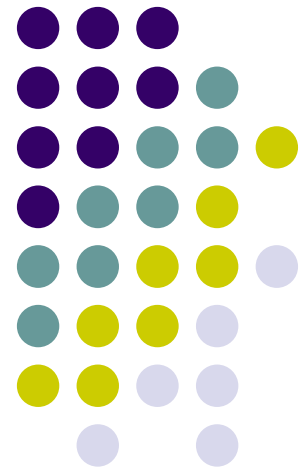
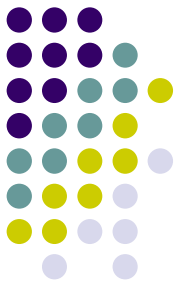


Developing a Canadian Metadata Profile for Institutional Repositories

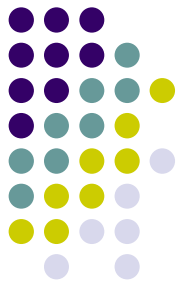
Mark Jordan
Simon Fraser University
Institutional Repositories: The Future Is Now!
Access 2004, Halifax, NS
2004-10-13





We will discuss...

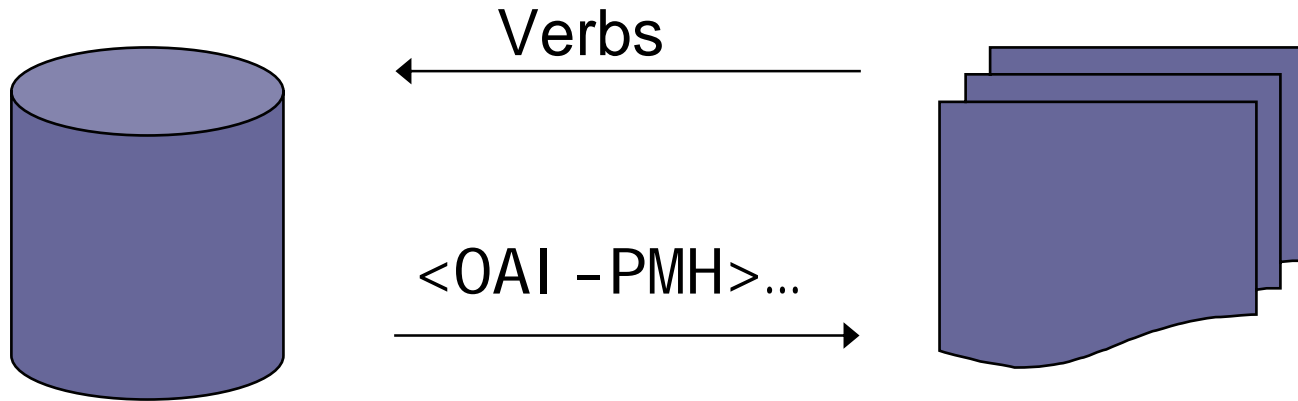
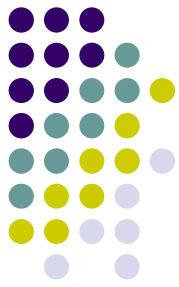
- An overview of the CARL harvester
- What people are searching for
- The metadata being harvested
- Some thoughts on a (realistic) metadata profile



The CARL Harvester

- <http://carl-abrc-oai.lib.sfu.ca/>
- Launched June 2004
- Participants
 - University of Calgary
 - Université Laval
 - Université de Montréal
 - University of Saskatchewan
 - Simon Fraser University
 - University of Toronto
- But open to all

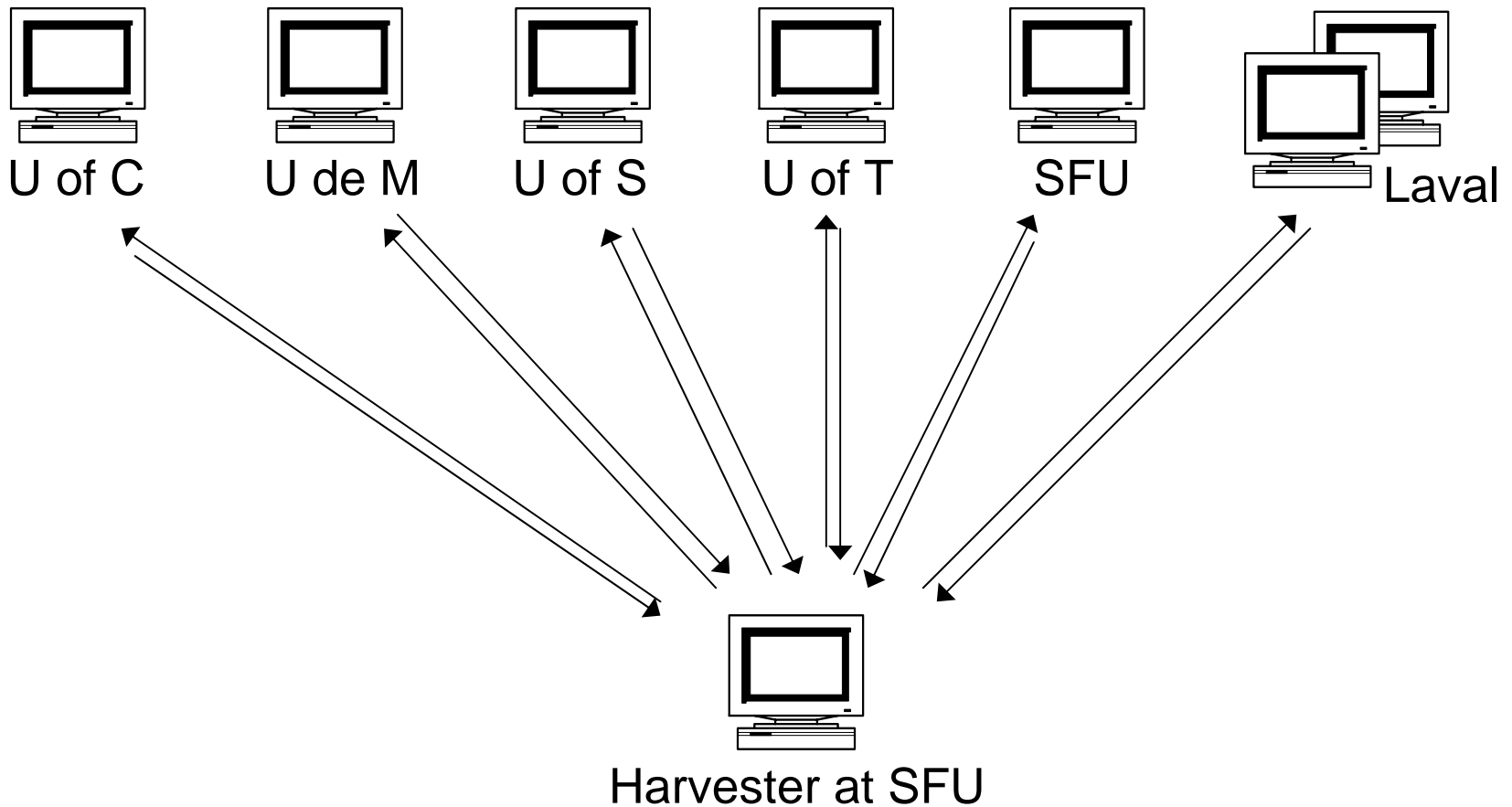
OAI-PMH Model

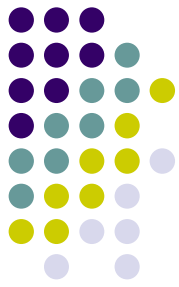


Data providers
expose metadata

Service providers
harvest metadata
and do something
useful with it

Nightly Harvesting






Number of Records = 3242

University of Calgary	150	4.6% of total
Université Laval (IR)	257	7.9% of total
Université Laval (Theses)	117	3.6% of total
Université de Montréal	23	0.7% of total
University of Saskatchewan	155	4.8% of total
Simon Fraser University	16	0.5 %of total
University of Toronto	2524	78% of total

As of September 29


Home



CARLABRC



Harvester Stats

The CARL/ABRC OAI Harvester currently has **1486** records from **7** archives indexed, and is updated daily.



Open ACCESS Research

Welcome to the Canadian Association of Research Libraries / Association des bibliothèques de recherche du Canada's institutional repository search service.

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Home > Browse Archives

Select an archive to browse...

- ▶ [All Archives](#) (1486 records)
- ▶ [Archimede Université Laval](#) (257 records)
- ▶ [Collection mémoires et thèses de l'Université Laval](#) (100 records)
- ▶ [DSpace@UCalgary.ca](#) (142 records)
- ▶ [Papyrus - Dépôt institutionnel numérique / Institutional Eprints Repository](#) (23 records)
- ▶ [Simon Fraser University Institutional Repository](#) (13 records)
- ▶ [T-Space](#) (844 records)
- ▶ [University of Saskatchewan Library Electronic Theses & Dissertations](#) (107 records)

Quick Search

in [All](#)

[Advanced Search](#)

Home > Archives > Browse Archives

Browsing Archimede Université Laval

[About this Archive](#)

Sort by: **Author** | [Title](#) | [Date](#)

Displaying records **1** through **10** of **257**.

► Identifying Feeling Elicited by Advertising

Aaker David A.
Stayman Douglas M.
Vézina Richard
January 1, 2003
[View Record](#) | [View Original](#)

► Collaborative Order Management in Distributed Manufacturing

Abid Chafik
D'Amours Sophie
Montreuil Benoît
January 1, 2002
[View Record](#) | [View Original](#)

► À propos de quelques obstacles à la mise en oeuvre du plan stratégique de développement de l'enseignement supérieur du Cameroun

Affa'A Félix-Marie
Grisé
Verna Gérard
January 1, 2003
[View Record](#) | [View Original](#)

► Analyse d'un rapport diagnostic de l'enseignement supérieur sénégalais à l'aide du système expert ORGCON

Affa'A Félix-Marie
Grisé
Verna Gérard
January 1, 2003
[View Record](#) | [View Original](#)

► La transformation de l'enseignement supérieur camerounais nécessite un accompagnement international, mais sous quelle forme?

Affa'A Félix-Marie

Quick Search

in All

☐ Just within this archive

Search

[Advanced Search](#)

[Home](#) > [Archives](#) > [Archimede Université Laval](#) > [View Record](#)

Record Details

À propos de quelques obstacles à la mise en oeuvre du plan stratégique de développement de l'enseignement supérieur du Cameroun

Title: *À propos de quelques obstacles à la mise en oeuvre du plan stratégique de développement de l'enseignement supérieur du Cameroun*

Archive: [Archimede Université Laval](#)

URL: <http://archimede.bibl.ulaval.ca/di/files/14/1-7-14-20040428-1.pdf>

Author(s): Affa'A Félix-Marie
Grisé (Jacques)
Verna Gérard

Date: 2003-01-01

Abstract: Le présent texte propose une analyse de certains des points importants des recommandations et des stratégies suggérées au Cameroun par le plan stratégique pour le développement de son enseignement supérieur. Ce plan fut élaboré par une équipe mixte de Camerounais et de spécialistes de l'Institut international de planification de l'éducation (IIPE). Les questions de la recherche visent à ébaucher l'analyse, à la lumière des données théoriques du développement organisationnel, des irritants qui ont empêché la poursuite de la mise en oeuvre du plan stratégique. La confiance de la communauté universitaire qui reste toujours à conquérir, est un de ces irritants administratifs empêchent l'aboutissement du changement désiré du système universitaire. Il peut favoriser l'enseignement et l'apprentissage de la démocratie de participation au sein des universités et dans leur milieu d'implantation. Les mêmes causes produisant les mêmes effets, les irritants dégagés ici risquent de resurgir dans le processus de réformes en cours. Les auteurs veulent

Research Support Tool

[Capture Cite](#)[▼ Context](#)[Related Studies](#)[Media Reports](#)[Google Search](#)

Home > Metadata Search

Advanced OAI Search

This site adheres to the [Open Archives Initiative](#) which is the emerging standard for "open access" research resources and, as such, permits the collective searching of the metadata for all documents in OAI databases.

Search databases: -- All Indexed Archives --

Search for:

Or search any one or more of the following...

Author(s):

Title:

Abstract:

Date:

From:

To:

Index terms [\(about\)](#)

Subject(s):

Coverage:

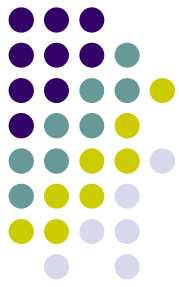
Language:

English=en; French=fr; Spanish=es [\(Additional codes\)](#).

Contributors:

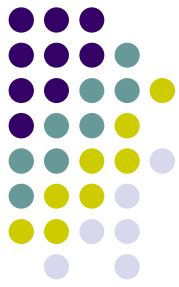
Type:

☐ Match all search terms (default is match any search



Search Log Analysis

- 565 searches between June 14 and Sept. 29 (approximately 5.5 searches/day)
- 447 simple searches, 118 advanced



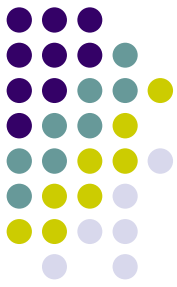
Most Popular Searches

Query	Frequency	Records
open source software	15	19
child abuse	8	56
abran	7	0
artificial intelligence	5	20
housing and Mental illness	5	47
middle east	5	36
postsecondary education	4	78
toronto	4	38



0 Hits

- 204 searches (36% of total) returned 0 records
 - 159 simple (36% of simple searches)
 - 45 advanced (38% of advanced searches)
- Possible causes
 - No records in database
 - Records in database, but expected elements not present
 - Search interface issues



The Metadata

- Some boring statistics
- Some examples of diversity

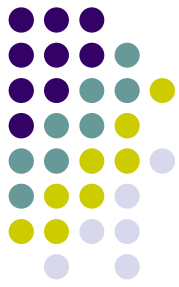


Stat 1: Element Frequency

% of total number of elements in the Harvester

Element	Freq.
Title	6%
Creator	1.8%
Subject	8.9%
Description	6.3%
Publisher	4.5%
Contributor	14.7%
Date	16.4%
Type	5.6%

Element	Freq.
Format	15.2%
Identifier	13.3%
Source	0.3%
Language	5.5%
Relation	0.6%
Coverage	0%
Rights	0.9%

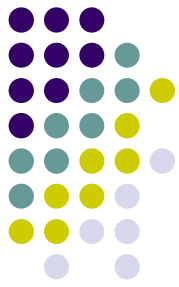


Stat 2: Missing Elements

Number of providers that do not include the element

Element	Prov.
Title	0
Creator	3
Subject	1
Description	0
Publisher	1
Contributor	2
Date	0
Type	0

Element	Prov.
Format	1
Identifier	0
Source	4
Language	1
Relation	5
Coverage	7
Rights	5

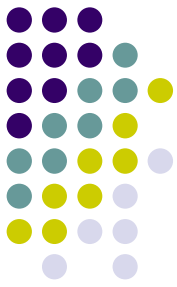


Stat 3: Elements Per Record

A = Average for all, B = providers below average

Element	A	B
Title	1	0
Creator	0.3	3
Subject	1.5	4
Description	1.1	4
Publisher	0.8	3
Contributor	2.4	5
Date	2.7	4
Type	0.9	0

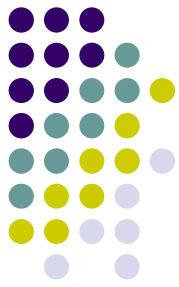
Element	A	B
Format	2.5	6
Identifier	2.2	5
Source	0.05	5
Language	0.9	2
Relation	0.1	6
Coverage	0	0
Rights	0.2	5



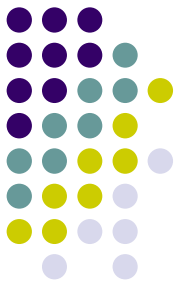
Diversity 1: Date

- 1998
- 1998-03
- 1998-03-14
- 1998-03-14 00:00:00.0
- 1998-03-14T14:49:04Z
- Very few invalid dates

Diversity 2: Type

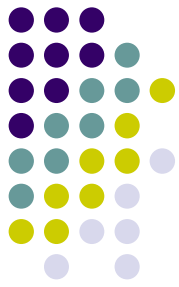


- Electronic Thesis or Dissertation
- Thesis
- text
- Article
- Journal (On-line/Unpaginated)
- Journal (Paginated)
- Learned or Scientific Journal's article (on-line or printed)
- Preprint



Diversity 3: Description

- Types of values
 - Abstracts
 - Conference names/places/dates
 - Place names
 - Research network, project names/funders
 - “no abstract”
 - “none”



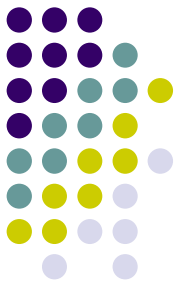
What is a Metadata Profile?

- Models
 - Library union list requirements
 - DCMI Application Profiles
 - ISO Internationally Registered Profiles
- In our context, a statement of what elements are required, what elements are recommended, and what types of values they should contain



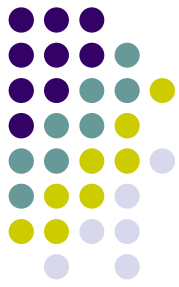
Realistic Goals

- Such a profile would
 - Be voluntary, not imposed
 - Emphasize easily achievable goals
 - Be flexible enough for the distributed creation of metadata
 - Use existing practices and standards as much as possible



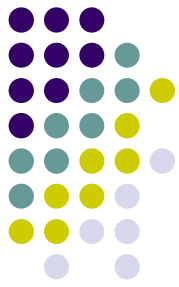
Low Hanging Fruit

- Include rights
- Include publisher
- Include language
- Standardize use of date
 - Not format, but meaning



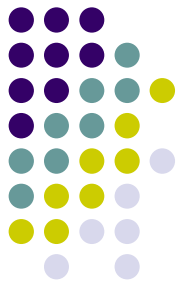
More Low Hanging Fruit

- Standardize use of identifier
 - Minimally, supply a URL to the resource/record
 - Additional local identifiers welcome
- Use DCMI Type Vocabulary
 - “provides a general, cross-domain list of approved terms that may be used as values for the Resource Type element to identify the genre of a resource”
 - Supplement with agreed-upon list of more specific genres



Fruit a Bit Higher Up

- Require OAI validation of providers
 - Software
 - XML encoding
- Identify minimal required elements, recommended elements
- Develop a metadata format specific to Canadian scholarly information
 - Bilingual elements, with language attribute
 - Coverage element
 - Controlled vocabularies



Discussion