

Introduction à

INVENIO

- 1954** CERN (European Center for Nuclear Research)
Initialement 12 états membres. (20 + 6
"observateurs" aujourd'hui; ~10'000 personnes;
> 500 universités)
- 1989** Tim Berners-Lee invente le Web au CERN.
- 1991** SPIRES (SLAC) première base de donnée
disponible sur le Web.
- 1991** arXiv archive pour "preprints" de physique
- 1993** CERN Preprint Server sur le Web: archive
institutionnelle
- 1996** CERN Library Server (weblib): ajout des livres,
périodiques et autres

Histoire

1954 CERN (European Center for Nuclear Research)

"The Organization shall provide for collaboration among European States in nuclear research of a pure scientific and fundamental character (...). The Organization shall have no concern with work for military requirements and the results of its experimental and theoretical work shall be published or otherwise made generally available".

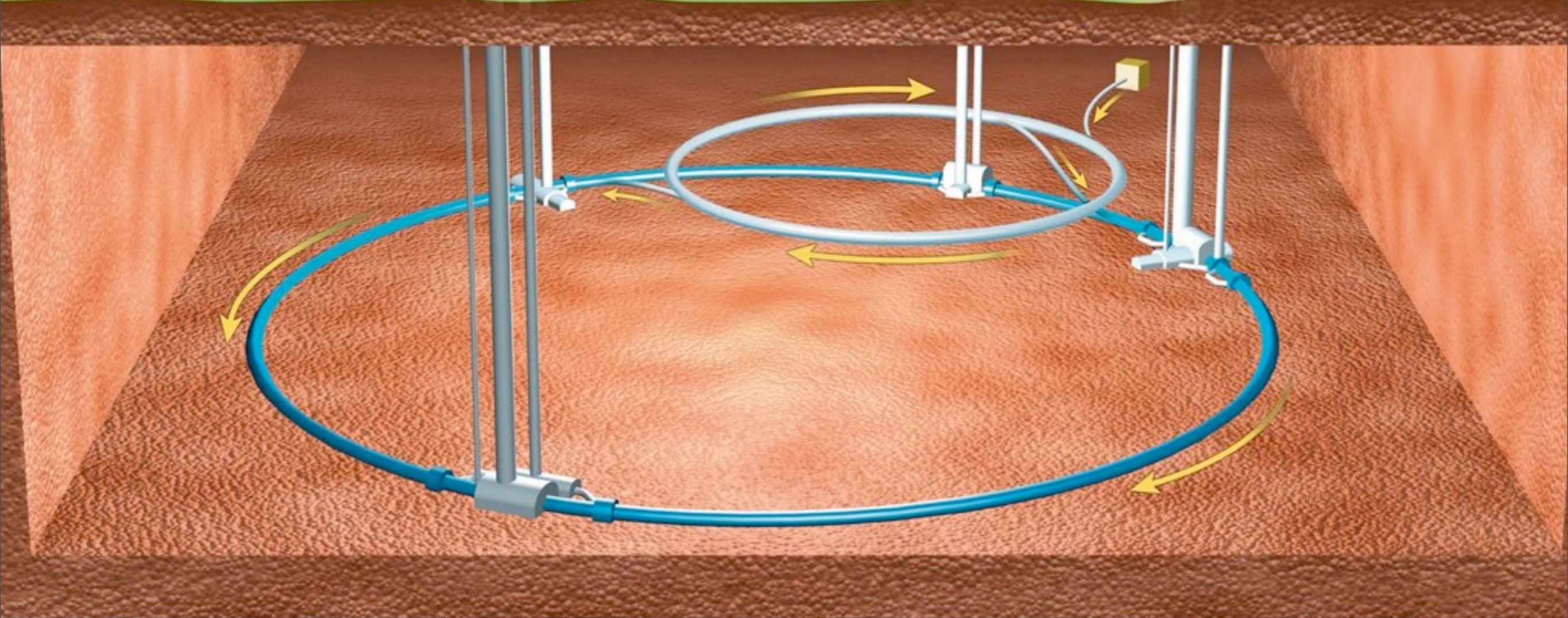
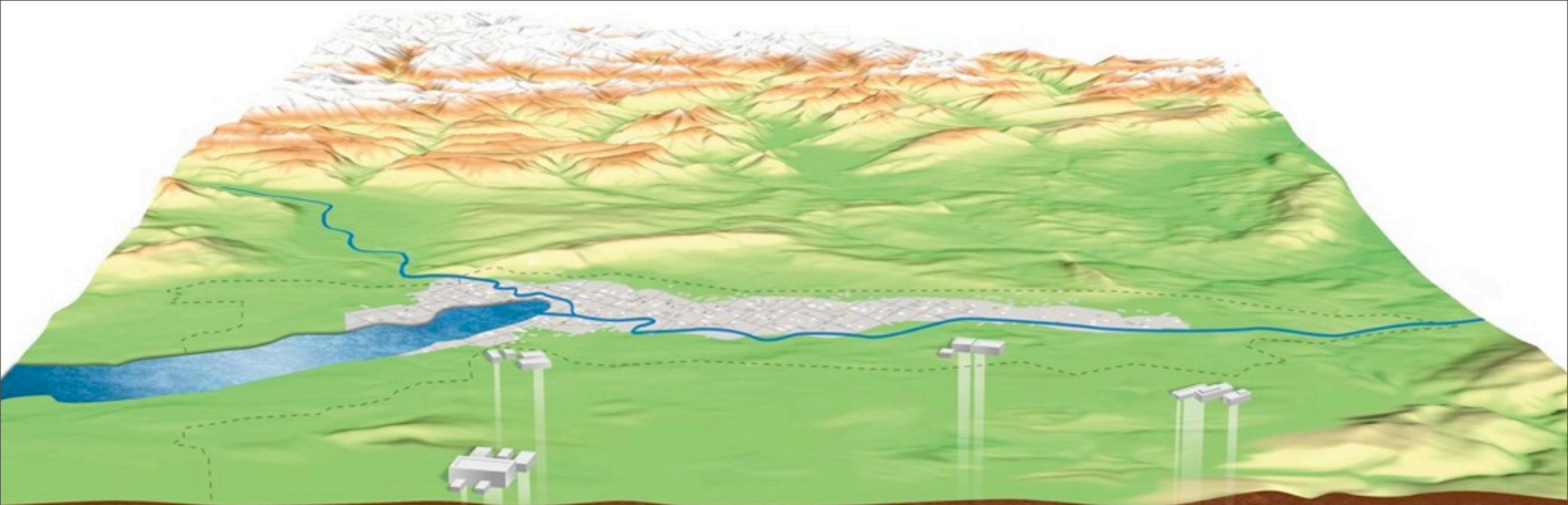
1993 CERN Preprint Server CERN Convention, Article II.1, 1954

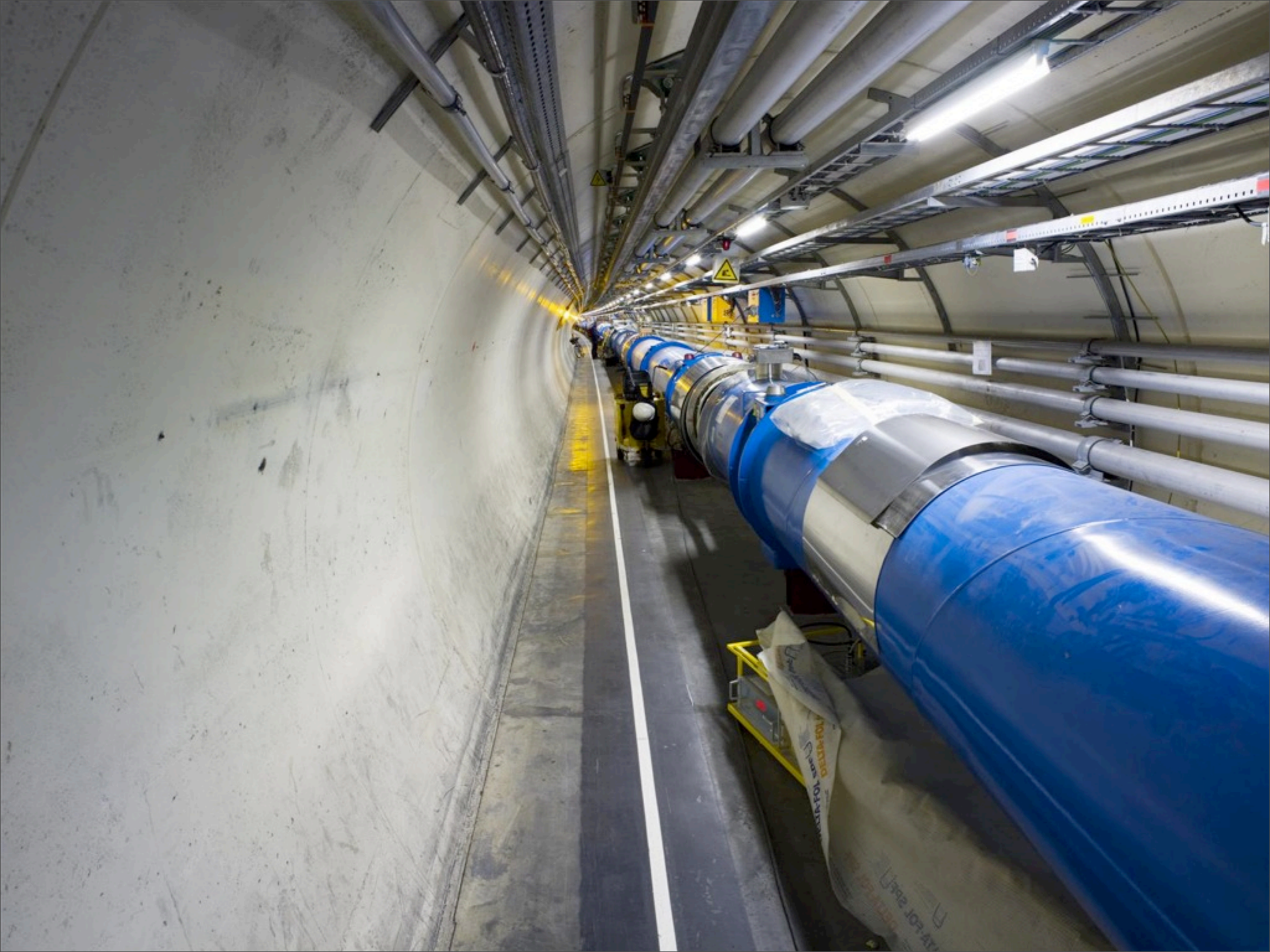
1996 CERN Library Server (weplib): ajout des livres, périodiques et autres

Histoire

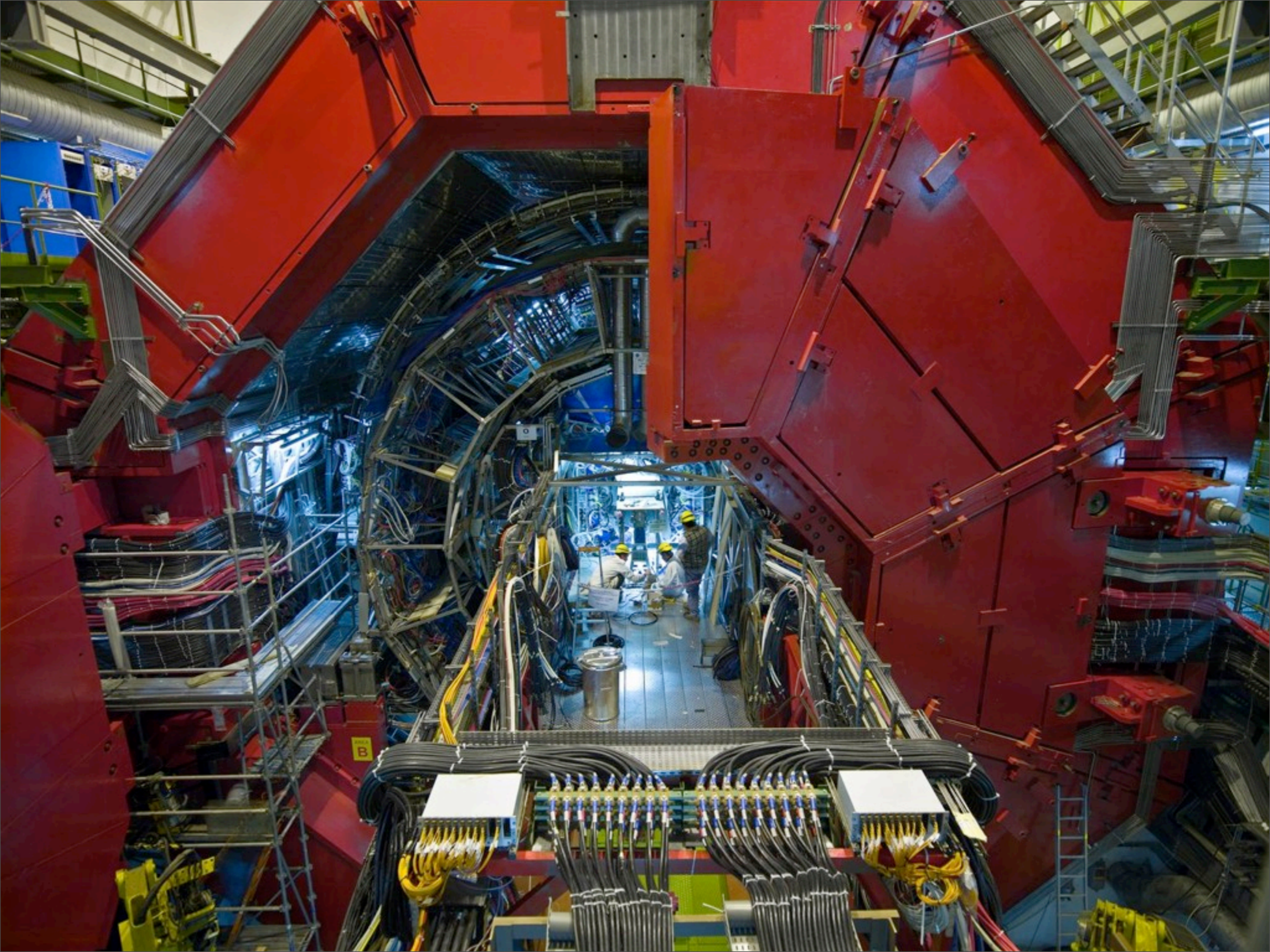
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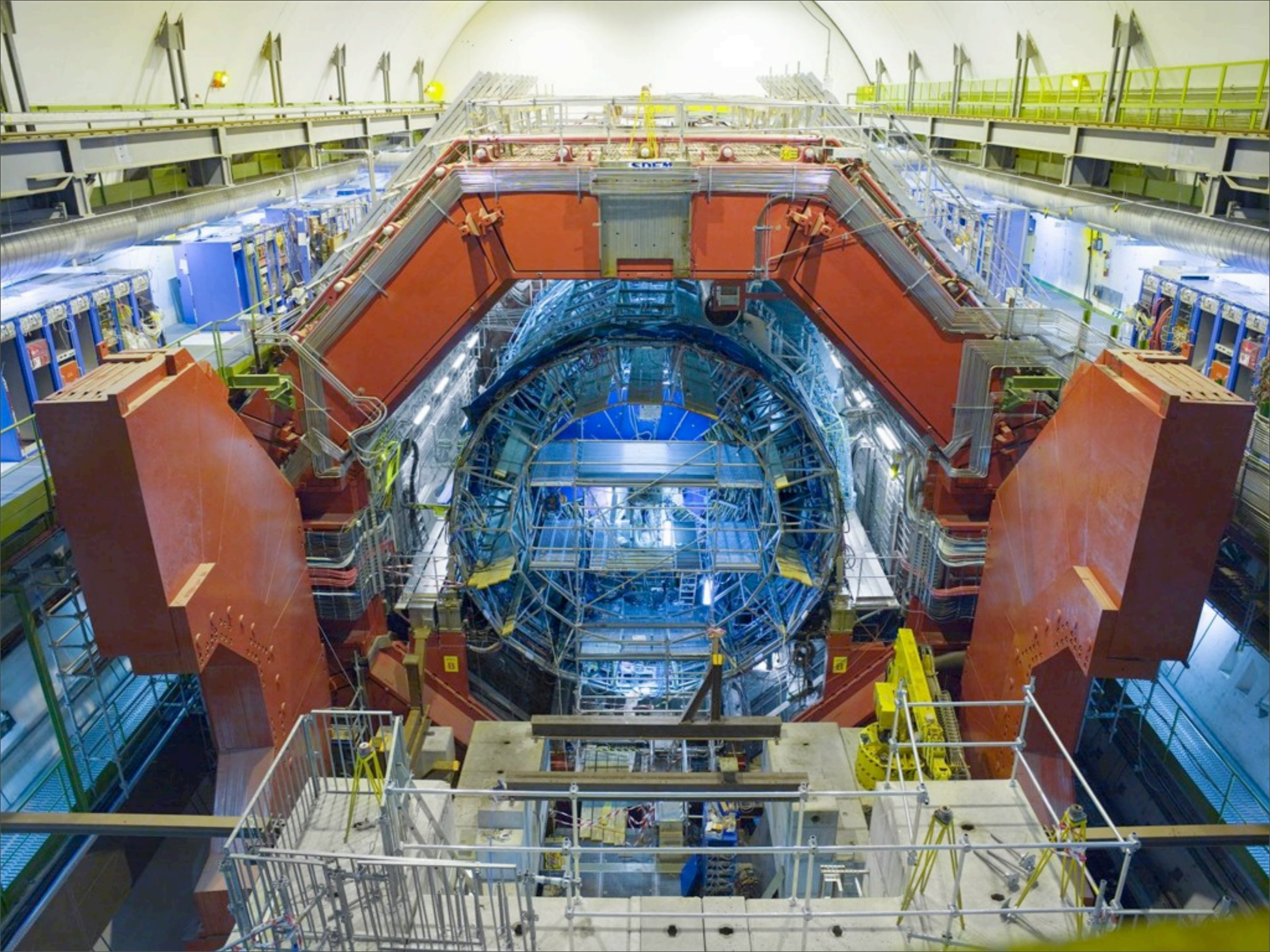


















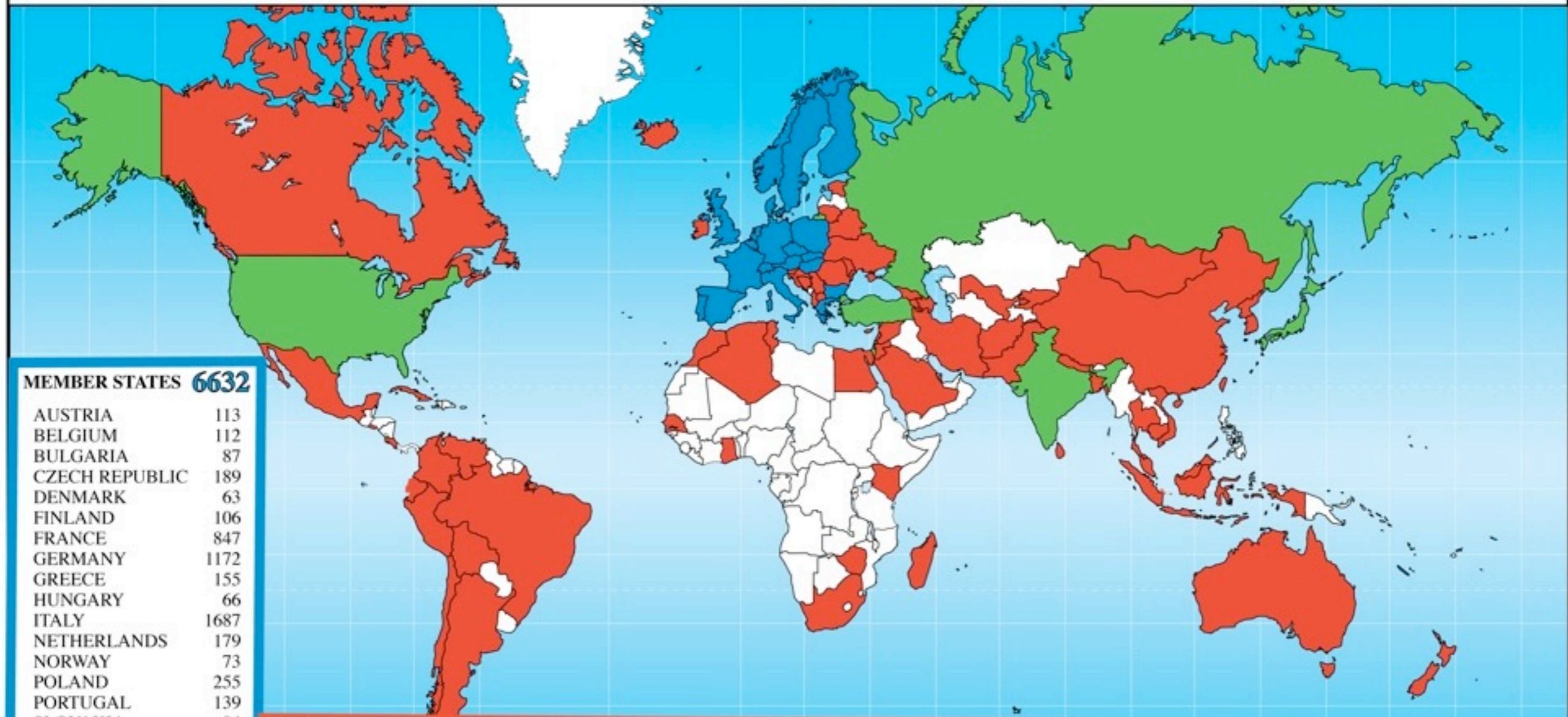


RC





Distribution of All CERN Users by Nationality on 27 June 2011



MEMBER STATES 6632

AUSTRIA	113
BELGIUM	112
BULGARIA	87
CZECH REPUBLIC	189
DENMARK	63
FINLAND	106
FRANCE	847
GERMANY	1172
GREECE	155
HUNGARY	66
ITALY	1687
NETHERLANDS	179
NORWAY	73
POLAND	255
PORTUGAL	139
SLOVAKIA	94
SPAIN	358
SWEDEN	79
SWITZERLAND	216
UNITED KINGDOM	642

OBSERVER STATES 2537

INDIA	192
ISRAEL	61
JAPAN	223
RUSSIA	955
TURKEY	106
USA	1000

OTHERS 1364

AFGHANISTAN	1	BRAZIL	83	EL SALVADOR	1	KOREA REP.	103	NEW ZEALAND	9	SRI LANKA	5
ALBANIA	3	CAMBODIA	1	ESTONIA	15	KYRGYZSTAN	1	PAKISTAN	39	SYRIA	2
ALGERIA	12	CANADA	143	GEORGIA	32	LEBANON	10	PALESTINE (O.T.)	1	THAILAND	3
ARGENTINA	13	CHILE	3	GHANA	1	LITHUANIA	17	PERU	4	F.Y.R.O.M.	2
ARMENIA	22	CHINA	232	GIBRALTAR	1	LUXEMBOURG	4	QATAR	1	TUNISIA	7
AUSTRALIA	20	CHINA (TAIPEI)	42	HONG KONG	1	MADAGASCAR	4	ROMANIA	106	UKRAINE	40
AZERBAIJAN	6	COLOMBIA	31	ICELAND	3	MALAYSIA	4	SAN MARINO	1	UZBEKISTAN	3
BANGLADESH	2	COSTA RICA	2	INDONESIA	2	MALTA	2	SAUDI ARABIA	3	VENEZUELA	11
BELARUS	36	CROATIA	22	IRAN	23	MEXICO	54	SENEGAL	1	VIET NAM	9
BOLIVIA	2	CUBA	5	IRELAND	25	MOLDOVA	1	SERBIA	38	ZIMBABWE	1
BOSNIA AND HERZEGOVINA	1	CYPRUS	14	JORDAN	1	MONGOLIA	1	SINGAPORE	1		
		ECUADOR	2	KENYA	1	MOROCCO	15	SLOVENIA	32		
		EGYPT	9	KOREA, D.P.R.	3	NEPAL	2	SOUTH AFRICA	11		

2000 CERN Document Server: matériel multimédia, notes internes)

2002 Première version (CDSware). Installations mondiales. Collaborations internationales.

2006 Renommé "Invenio"

2007 Début collaboration avec SPIRES

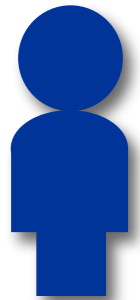
2008-2011 nouvelles fonctionnalités, optimisations, changement du modèle de développement et stabilisation du code pour Invenio 1.0

Début collaboration avec NASA-ADS et ArXiv

Qu'est-ce que Invenio?



Qu'est-ce que Invenio?

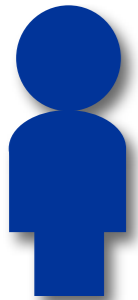


User

The screenshot shows a web browser window titled "Atlantis Institute of Fictive Science: Home" with the URL "http://invenio-demo.cern.ch/". The page features the Atlantis Institute of Fictive Science logo and navigation links for Search, Submit, Personalize, and Help. A search bar indicates "Search 96 records for:" with a dropdown menu set to "any field" and buttons for Search and Browse. Below the search bar, there are two columns of filters: "Narrow by collection" and "Focus on:". The "Narrow by collection" section includes "Articles & Preprints (63)", "Books & Reports (24)", and "Multimedia & Arts (9)". The "Focus on:" section includes "CERN Divisions (5)", "CERN Experiments (2)", and "ALEPH (1) ISOLDE (1)". On the right side, there is an "ABOUT THIS SITE" section and a "SEE ALSO" section with links to "CDS Invenio", "CERN", and "Google". The footer contains copyright information and a list of supported languages.

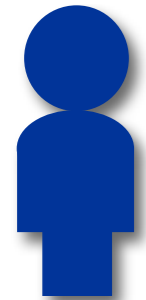
Qu'est-ce que Invenio?

soumettre →



User

Qu'est-ce que Invenio?



User

soumettre



chercher



Qu'est-ce que Invenio?

approver

partager

↔

'bookmark'

←

soumettre

→

chercher

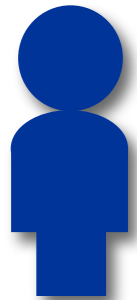
←

commenter,
noter

→

s'abonner

←



User



Qu'est-ce que Invenio?

approuver

partager



'bookmark'



soumettre



chercher



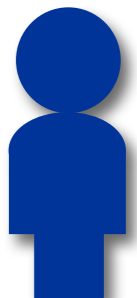
*commenter,
noter*



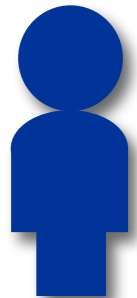
s'abonner



éditer



Bibliothécaire



User

Qu'est-ce que Invenio?

approver
partager

'bookmark'

soumettre

chercher

commenter,
noter

s'abonner

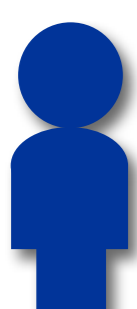
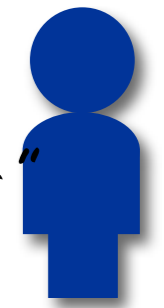
exporter
vérifier

éditer

importer,
"harvester"

"merger" Bibliothécaire

convertir



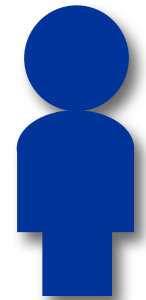
User



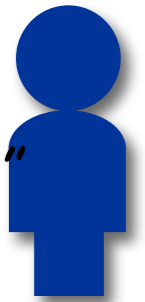
Qu'est-ce que Invenio?

approver
 partager
 'bookmark'
 soumettre
 chercher
 commenter,
 noter
 s'abonner

exporter
 vérifier
 éditer
 importer, "harvester"
 "merger" Bibliothécaire
 convertir
 monitorer
 scripter
 personnaliser



User



Bibliothécaire



Admin



Qu'est-ce que Invenio?



Solution intégrée de gestion bibliothécaire numérique

Qu'est-ce que Invenio?

Téléchargement gratuit:

<http://invenio-software.org/>



Qu'est-ce que Invenio?

Téléchargement gratuit:

<http://invenio-software.org/>



Sources (Git):

<http://invenio-software.org/repo>

Qu'est qu'un "Record" (notice)?

001 Identifiant unique
100 Auteur
245 Titre
520 "Abstract"
980 Collection
[...]



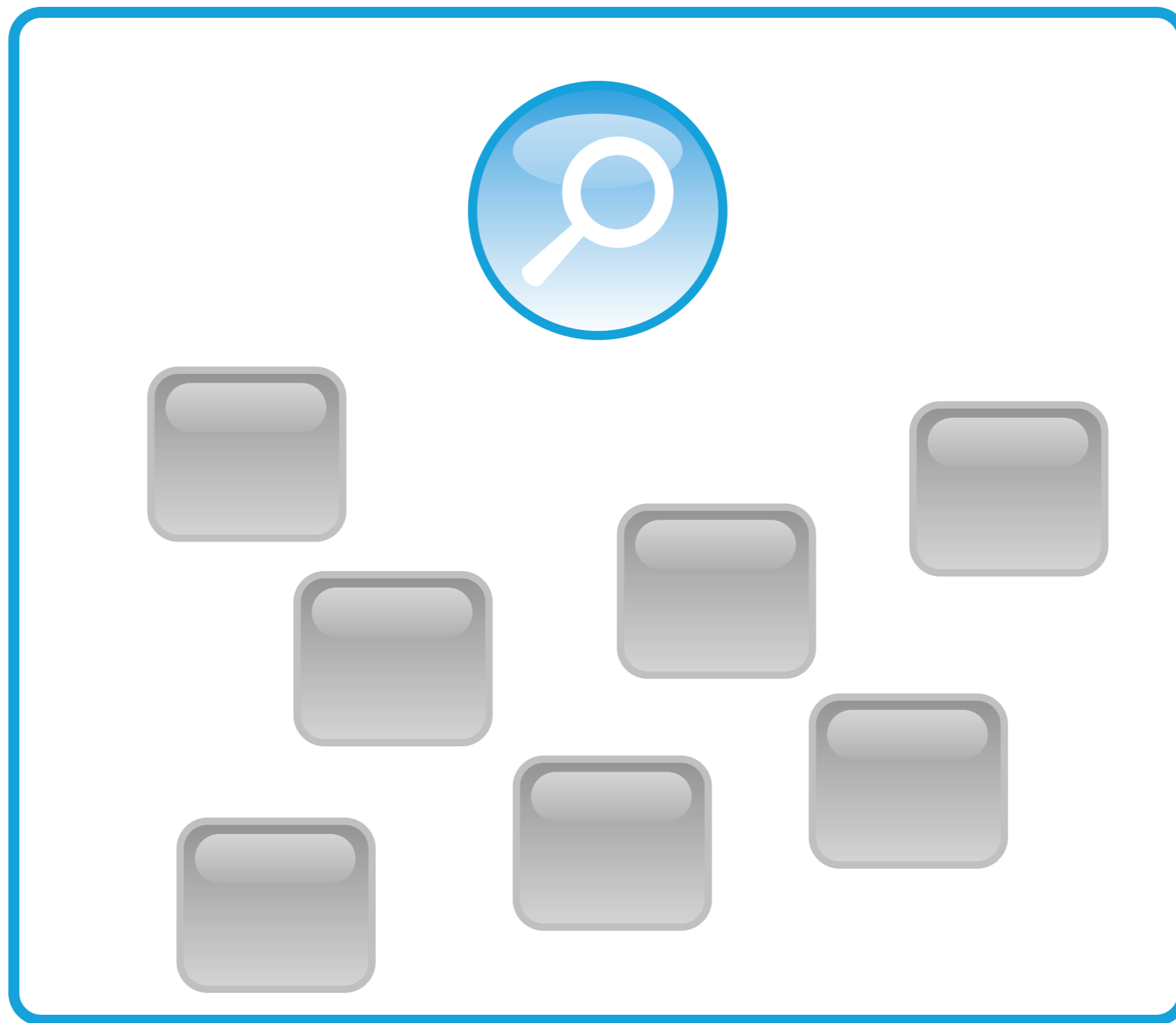
Métadonnées + Fichiers(s)

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    <subfield code="u">CERN</subfield>  
  </datafield>  
  [...]
```



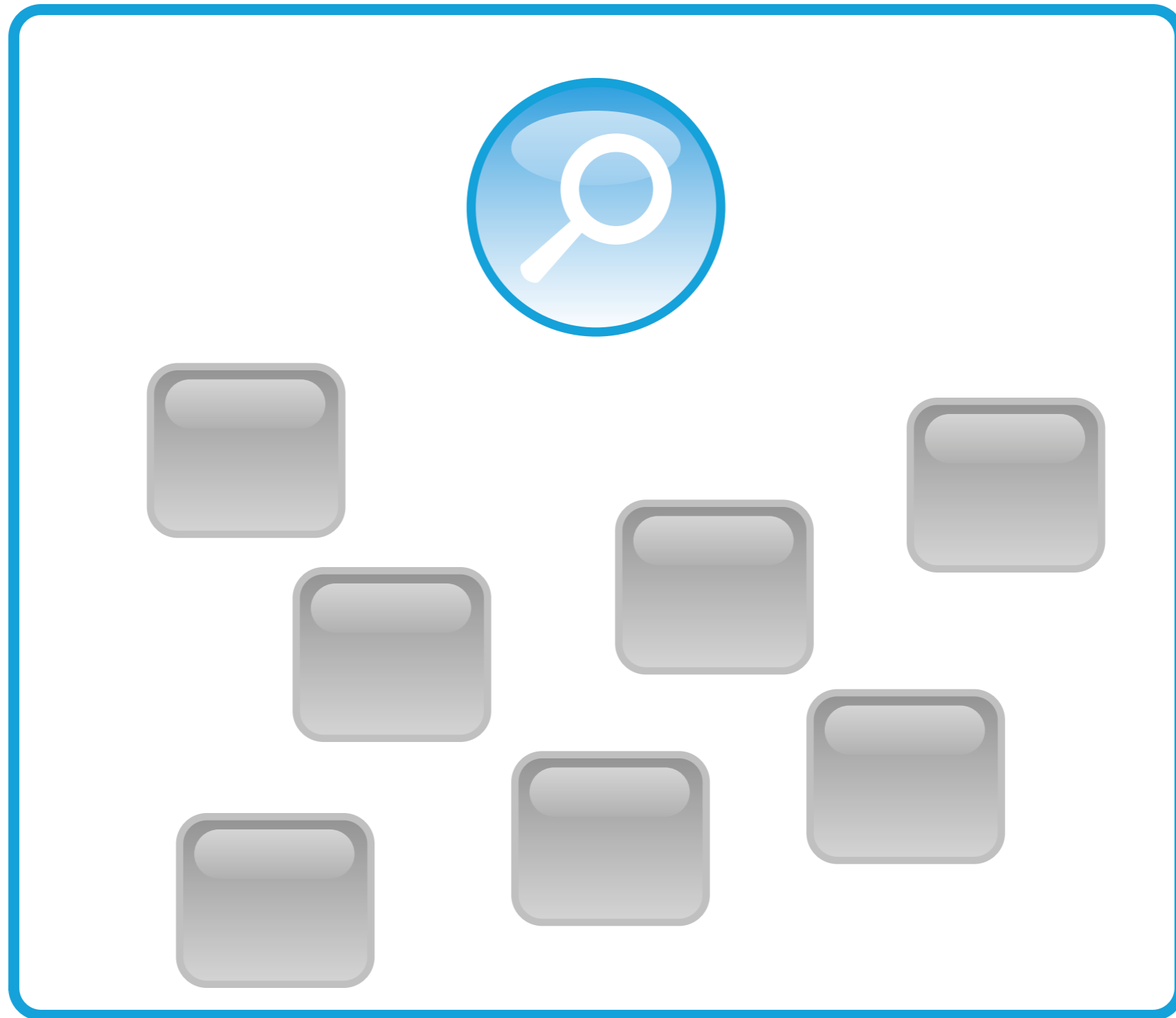
Métadonnées **MARCXML** + Fichiers(s)

Moteur de recherche





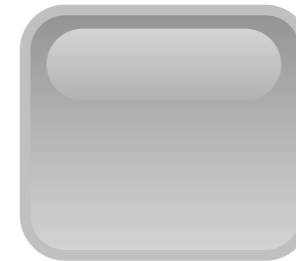
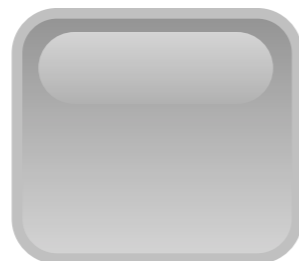
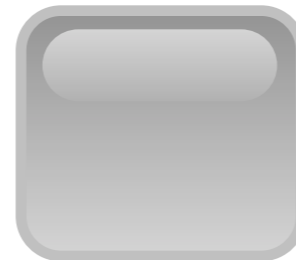
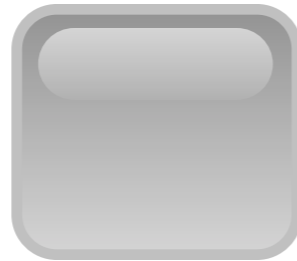
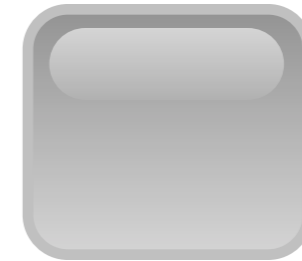
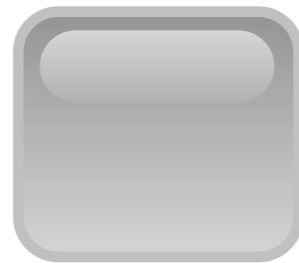
User



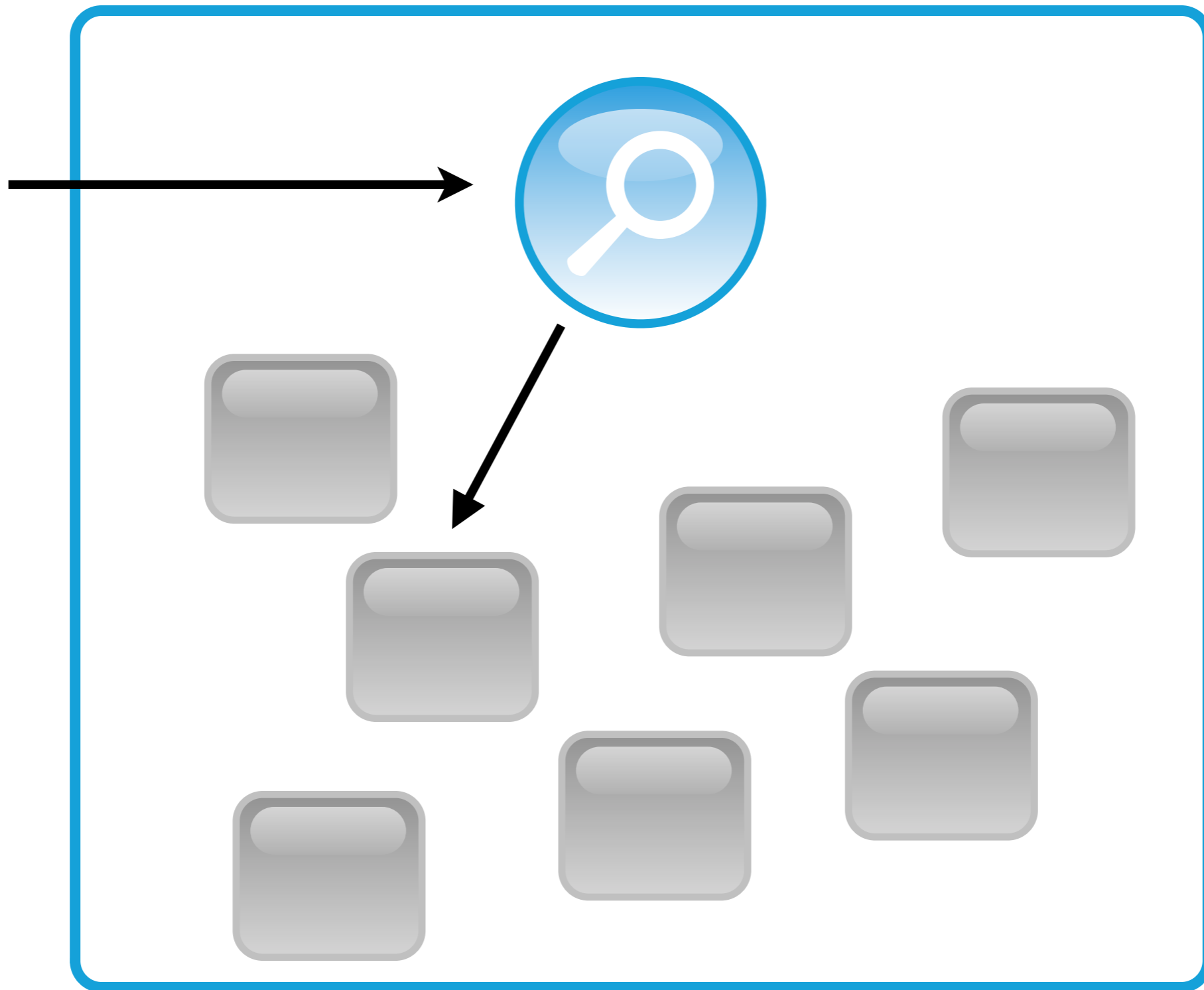
Moteur de recherche



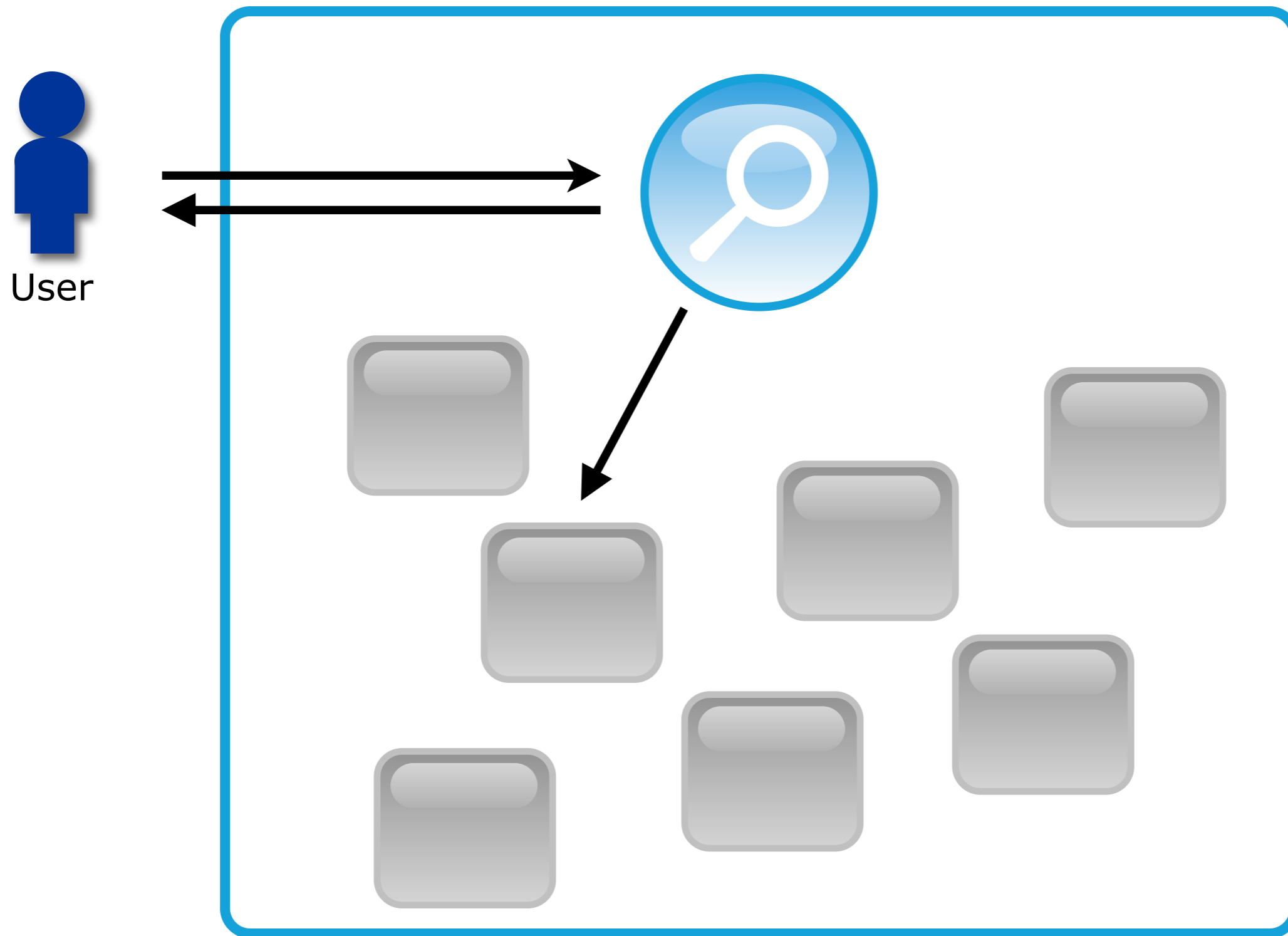
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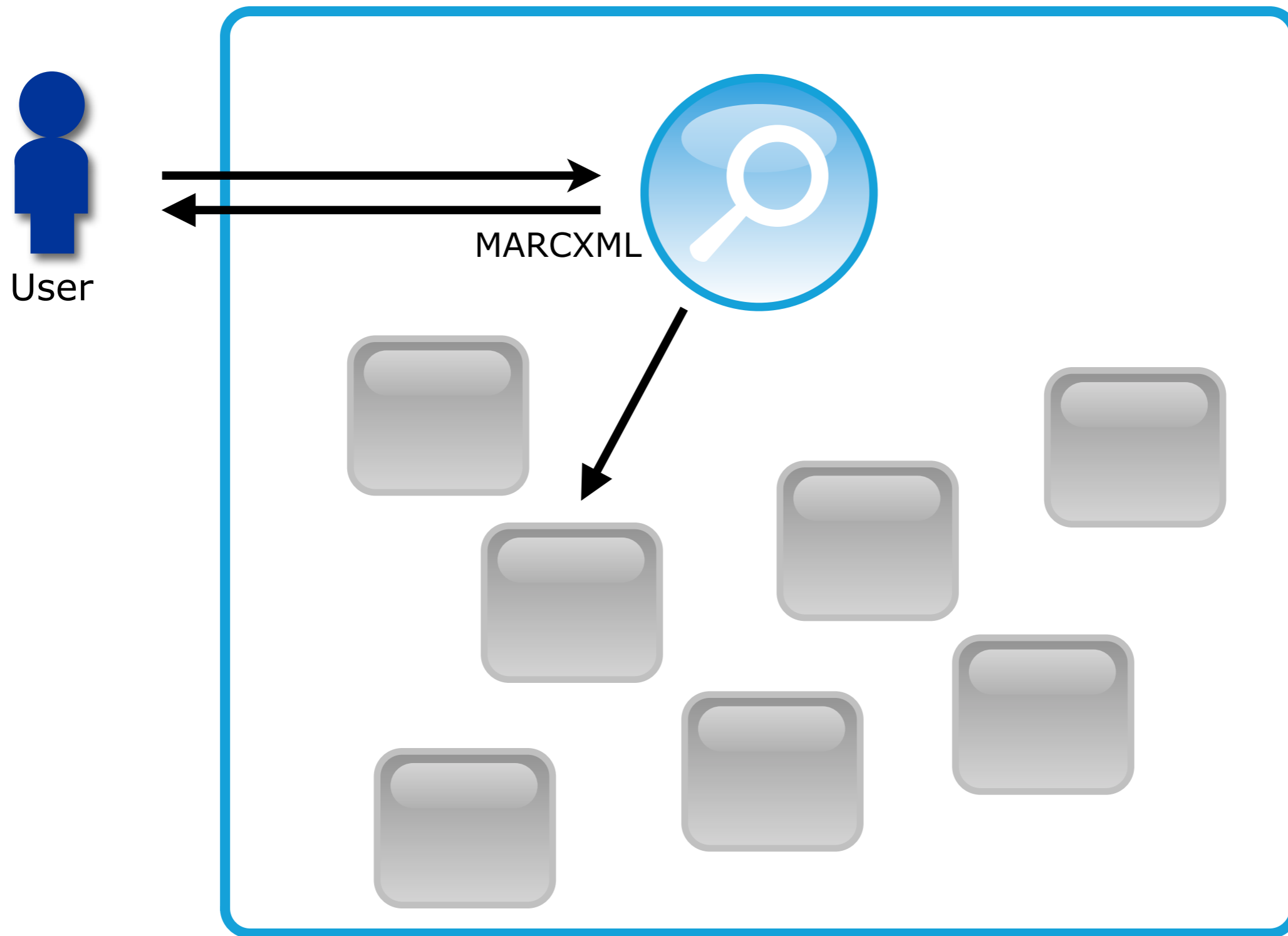
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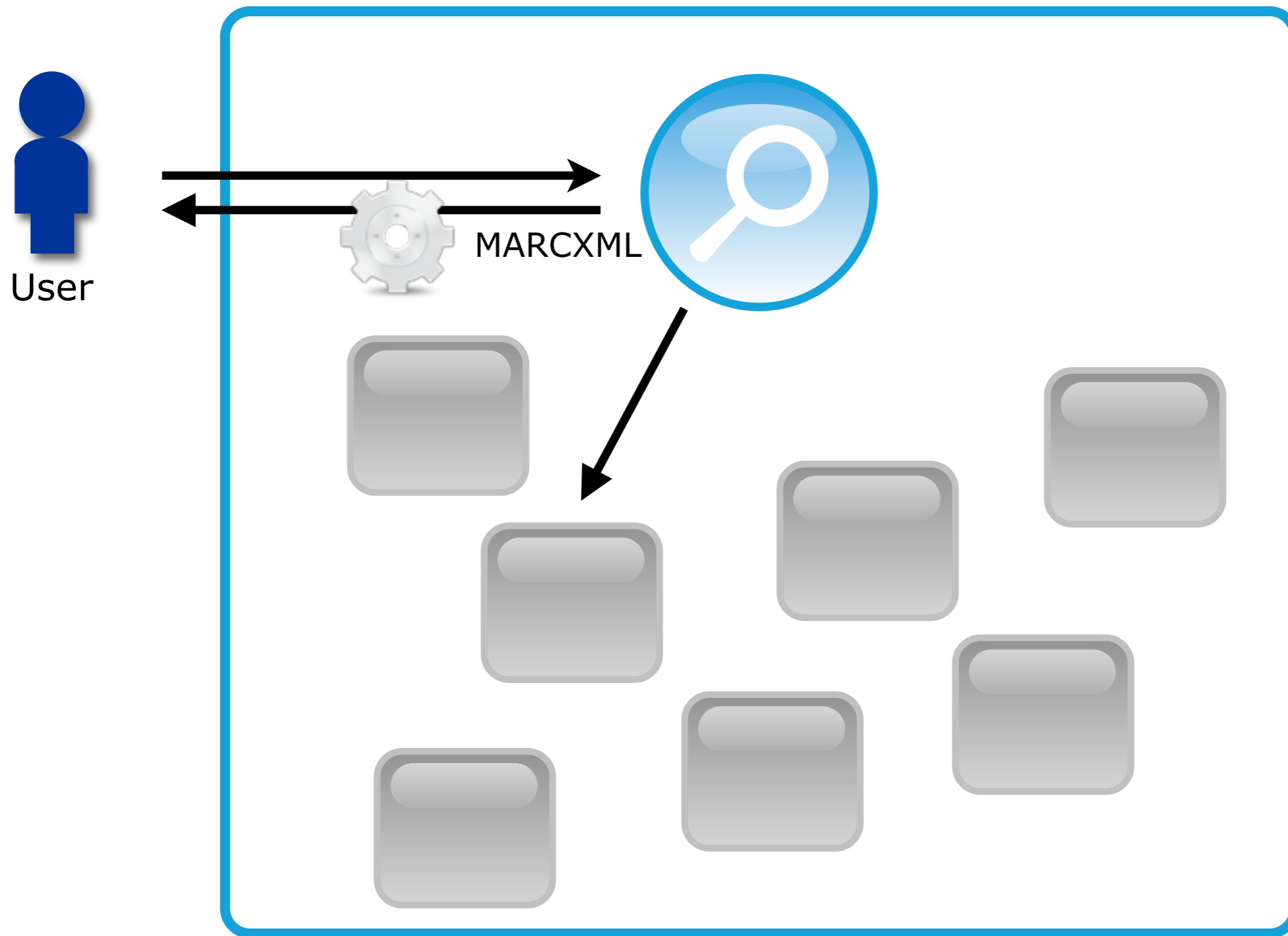
Moteur de recherche



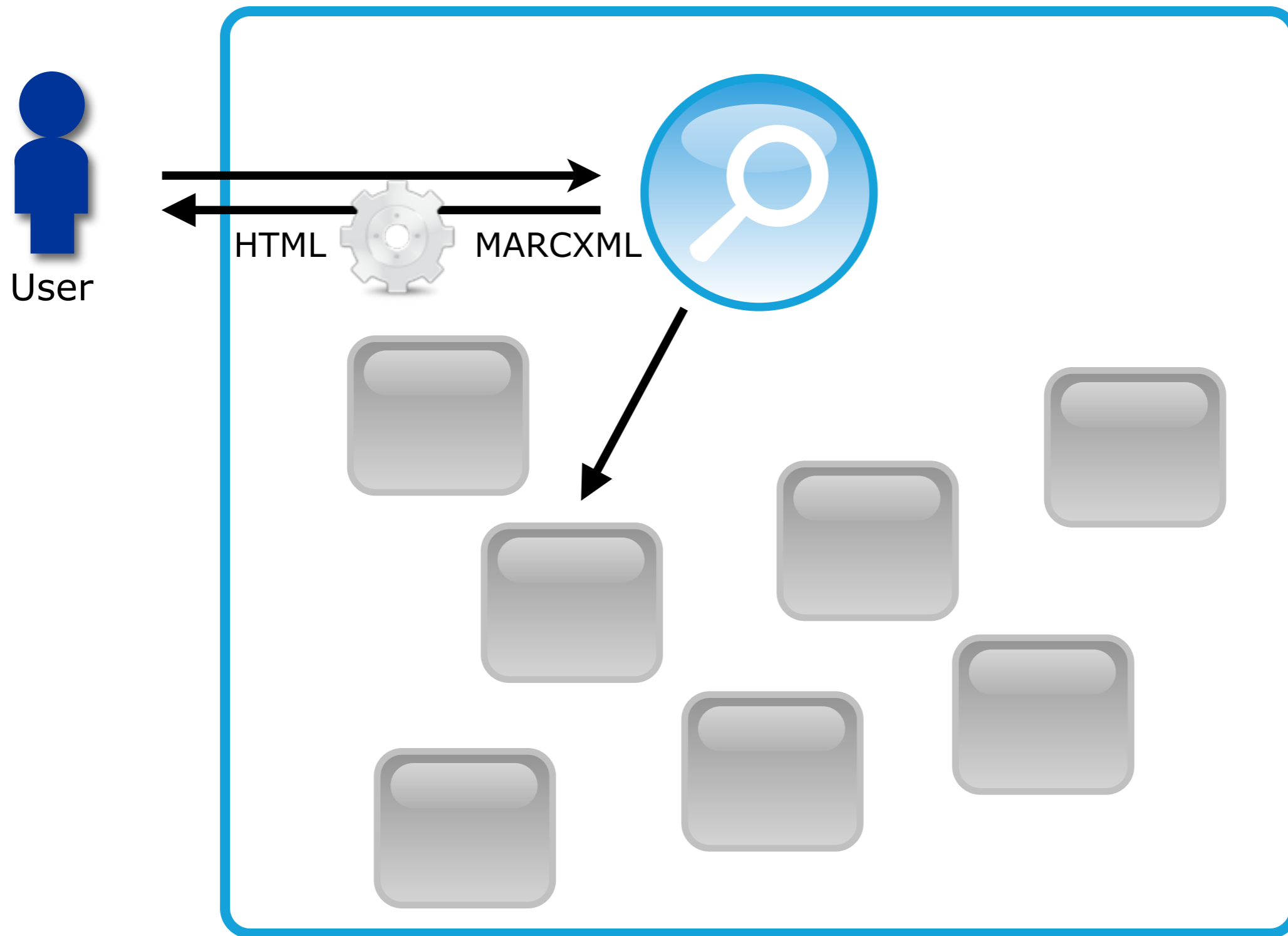
Moteur de recherche



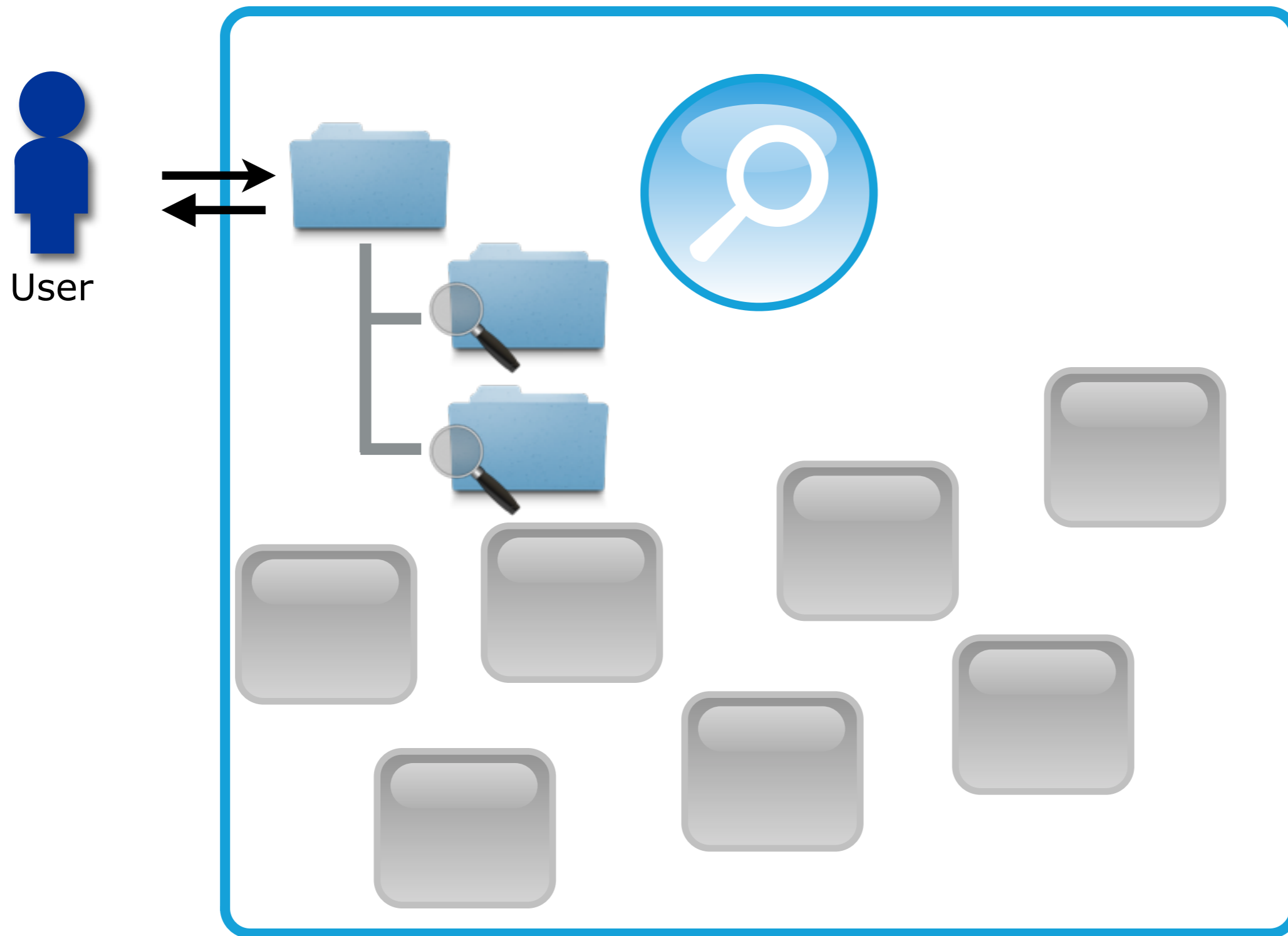
Moteur de recherche

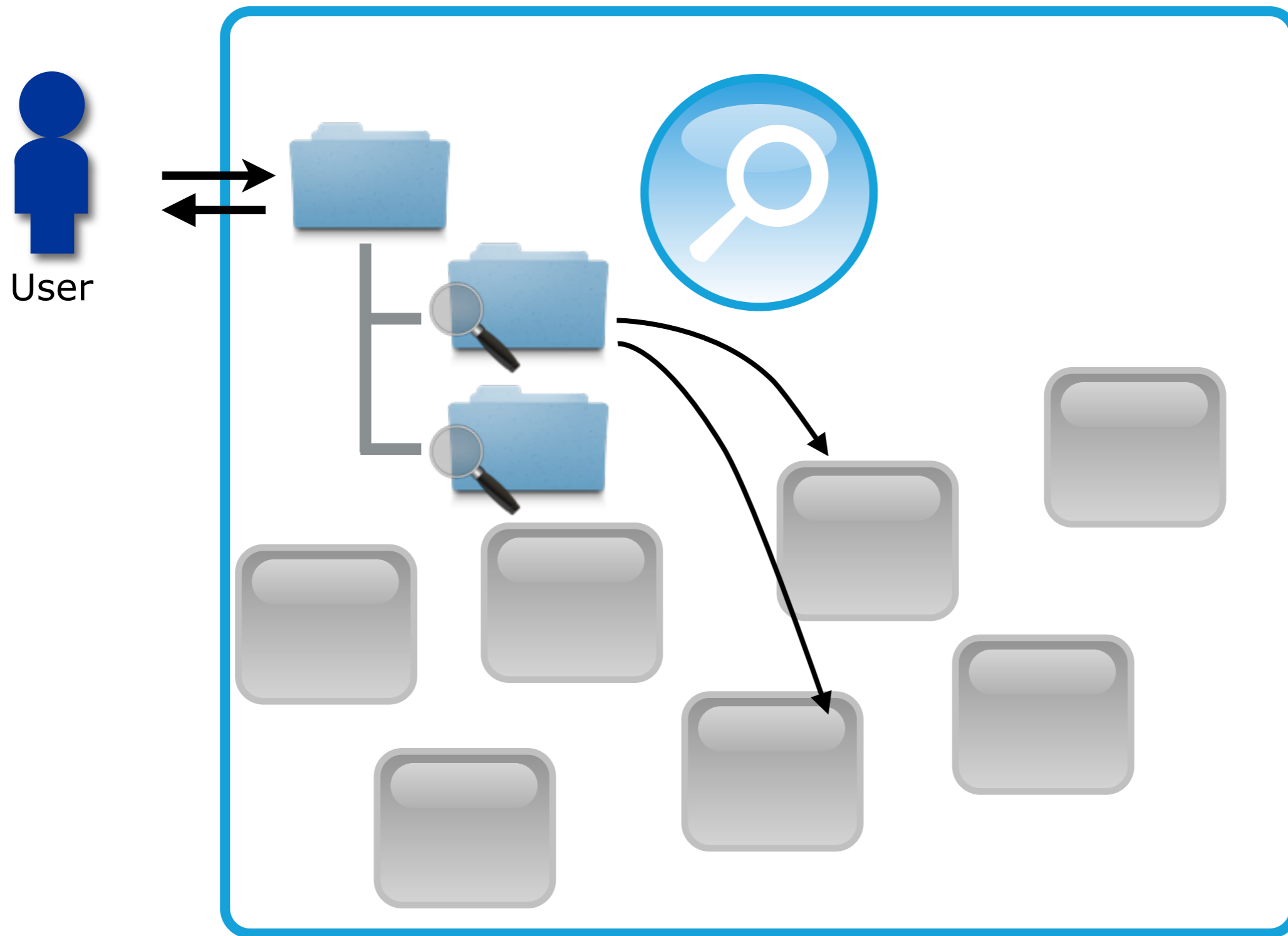


Moteur de recherche

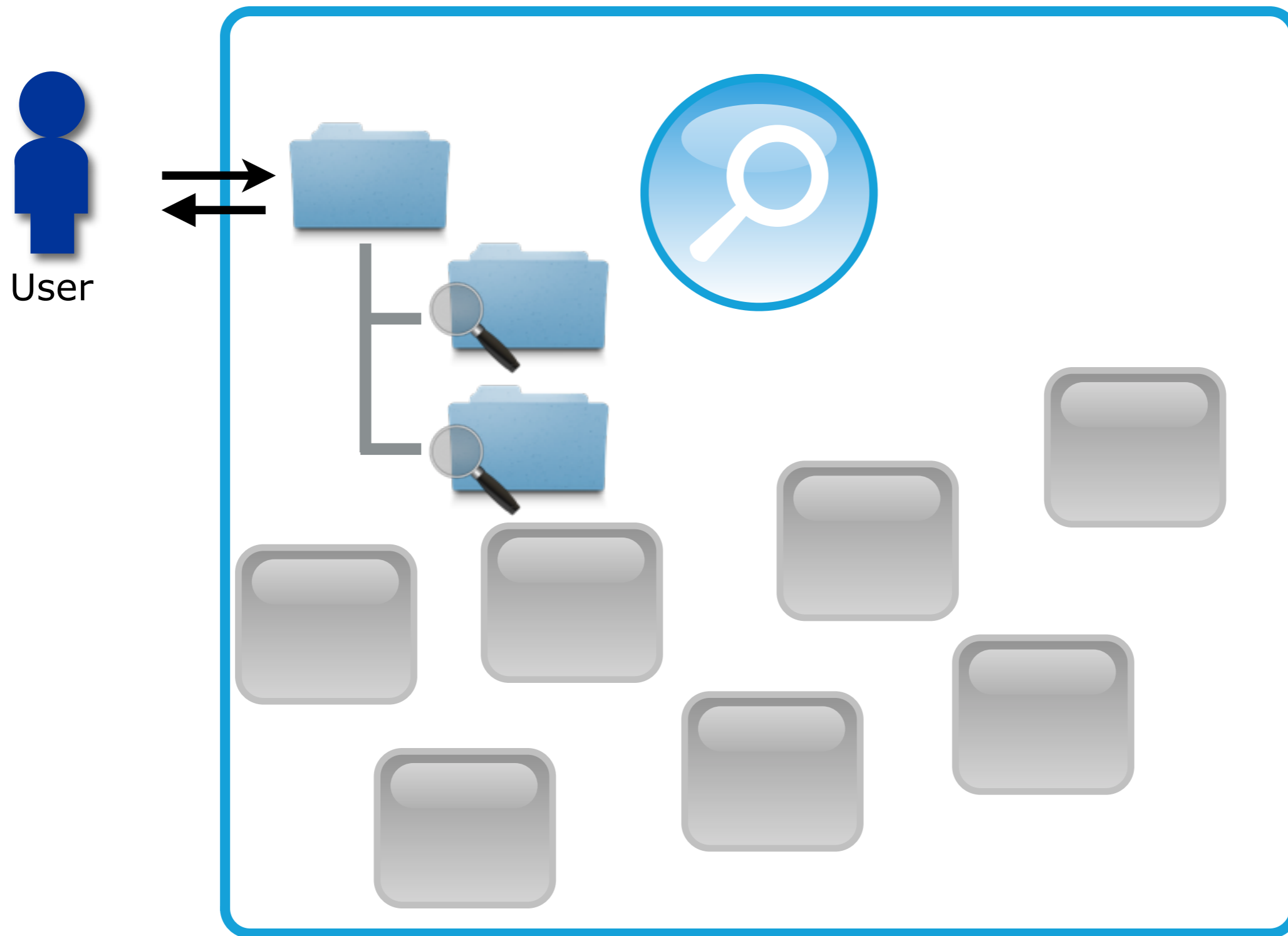


Moteur de recherche

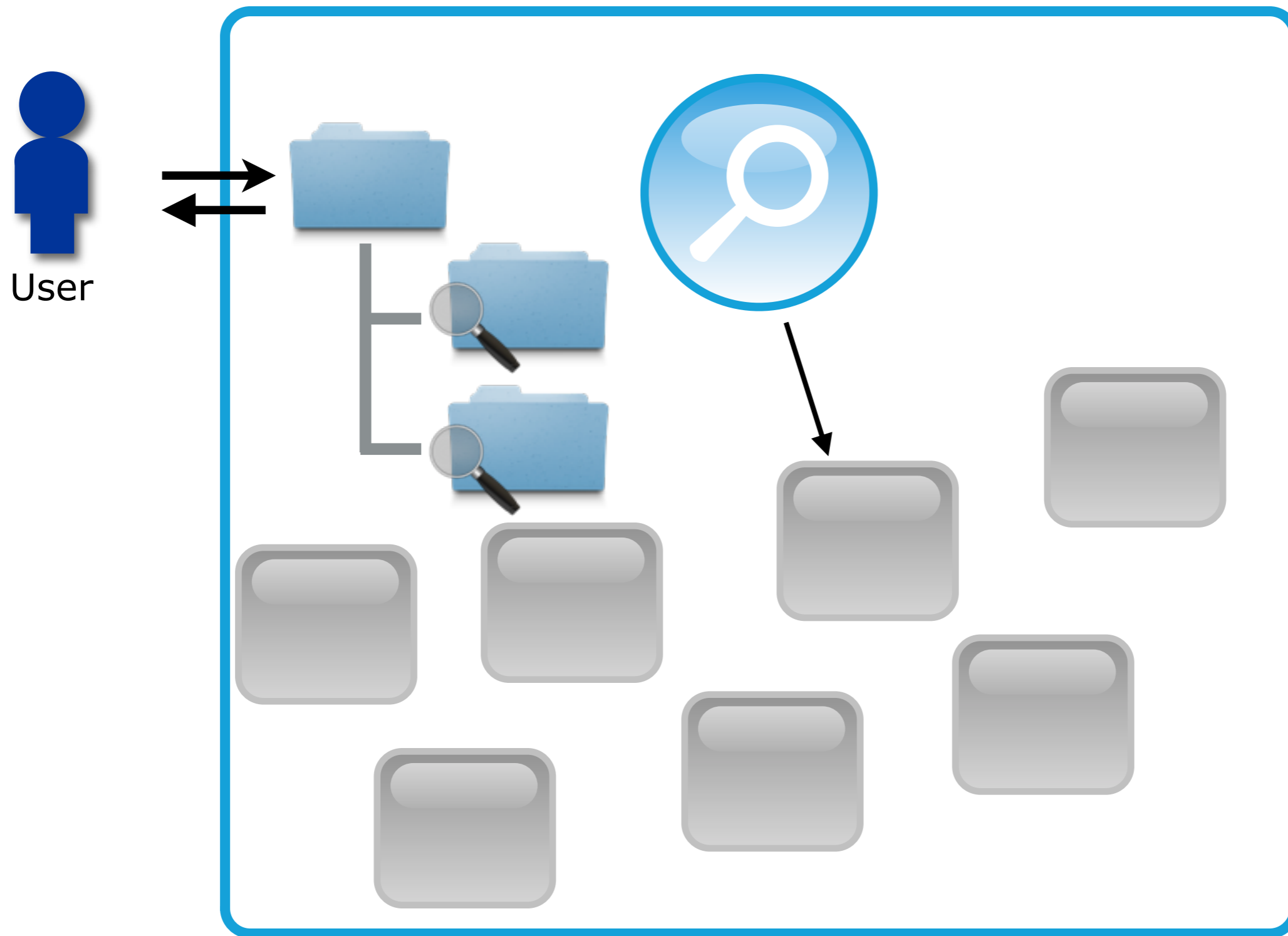




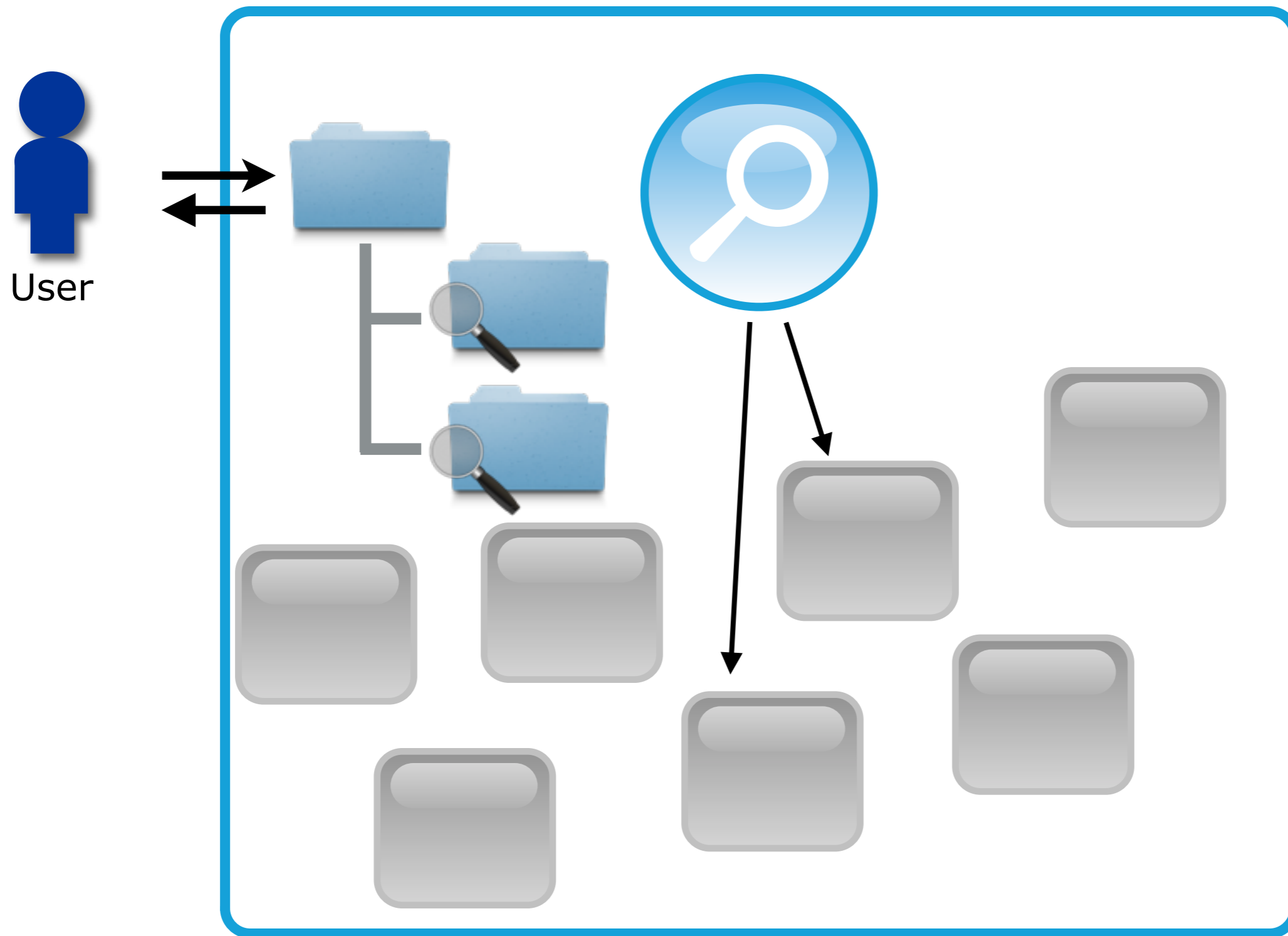
Collections



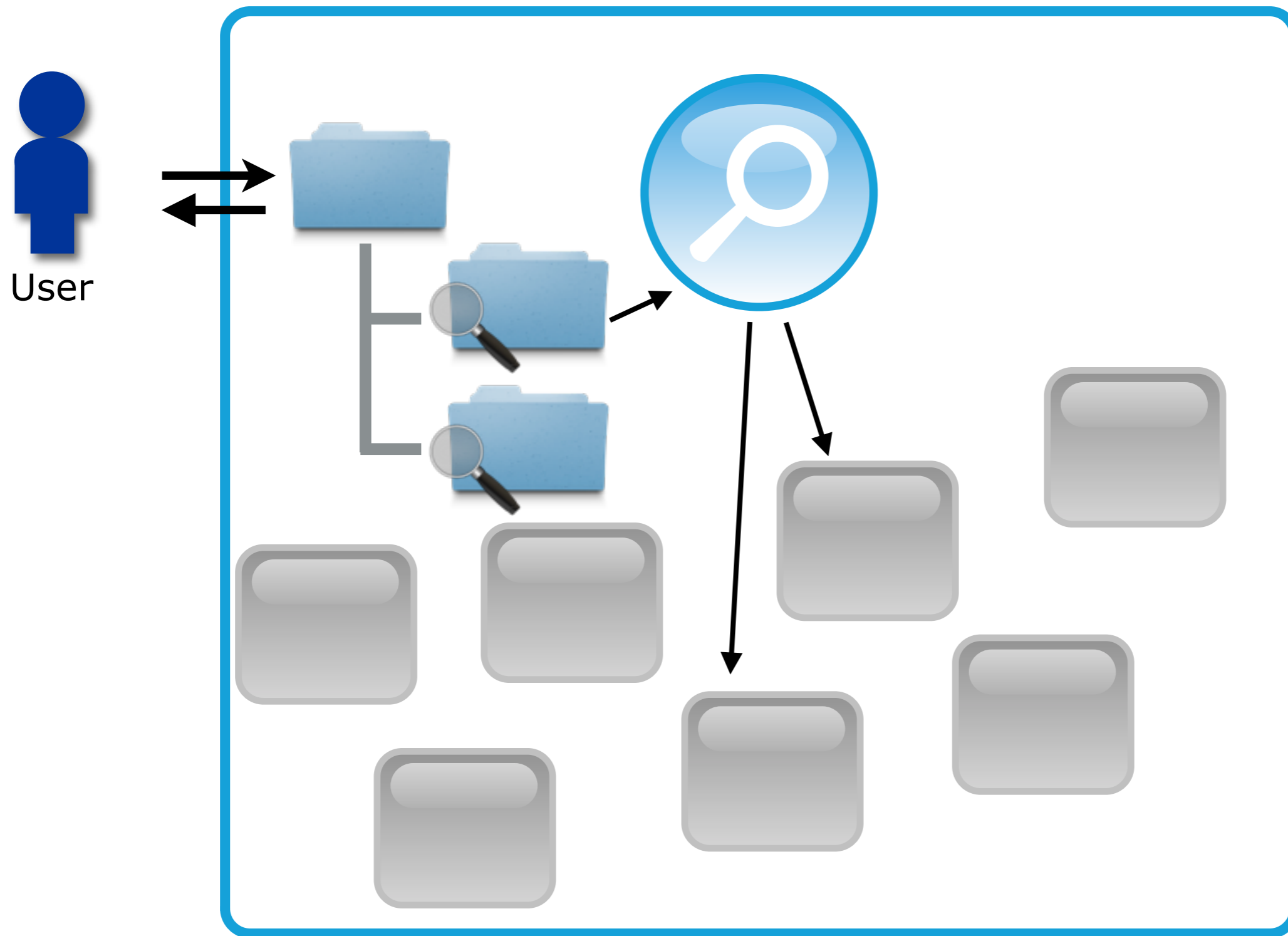
Collections



Collections



Collections

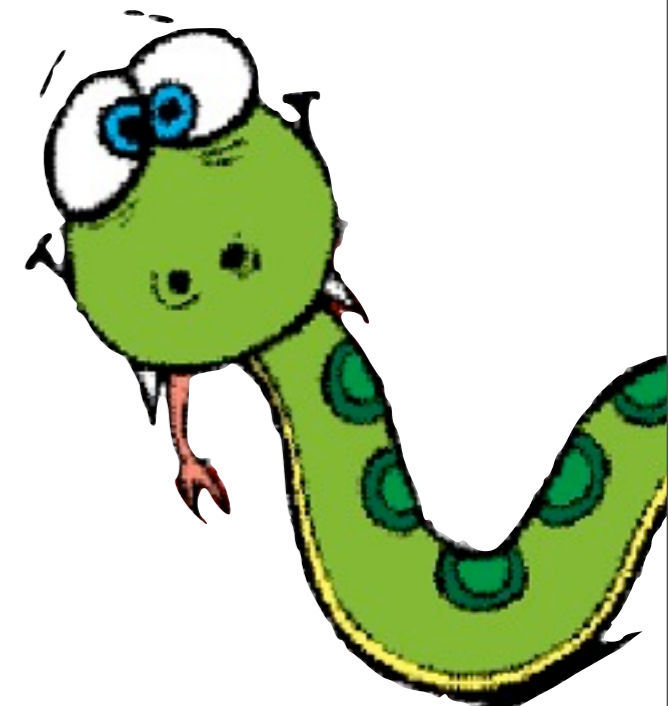


Concepts de base

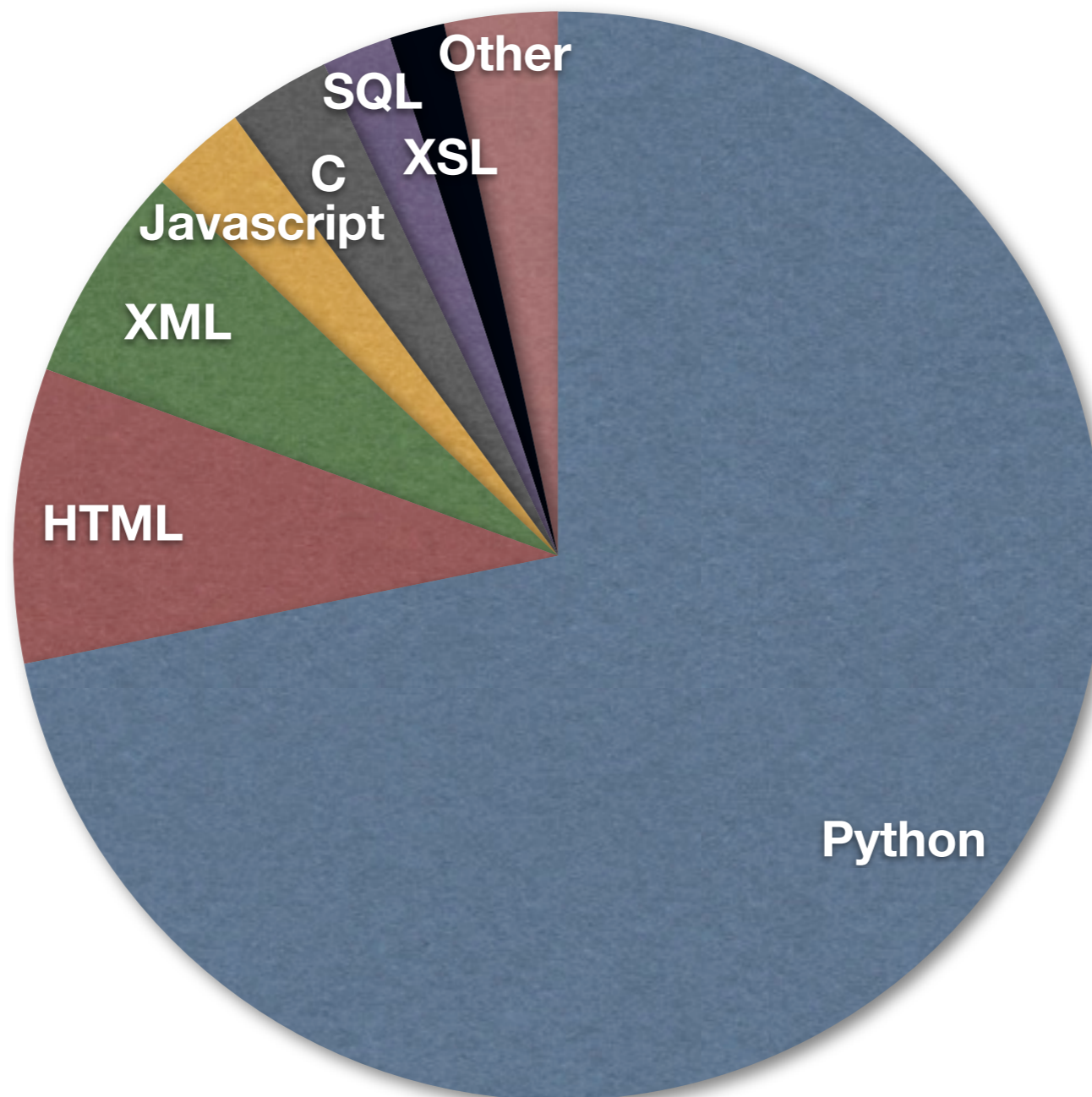
- Un moteur de recherche au coeur d'Invenio
 - Rapide et optimisé
 - Syntaxe et rapidité "à la Google"
 - Recherches structurées avancées (métadonnées, références, texte)
- Arborescence de collections "intelligentes"
- Des records / métadonnées au format MARCXML

Architecture

- Open Source GNU GPL
- Python (et C et Lisp), MySQL et Apache
- Architecture modulaire. Scriptable.
- Basé sur des standards ouverts (MARCXML, MARC21, OAI-PMH, OpenURL...)
- Pour des archives de tailles moyenne à large



Architecture



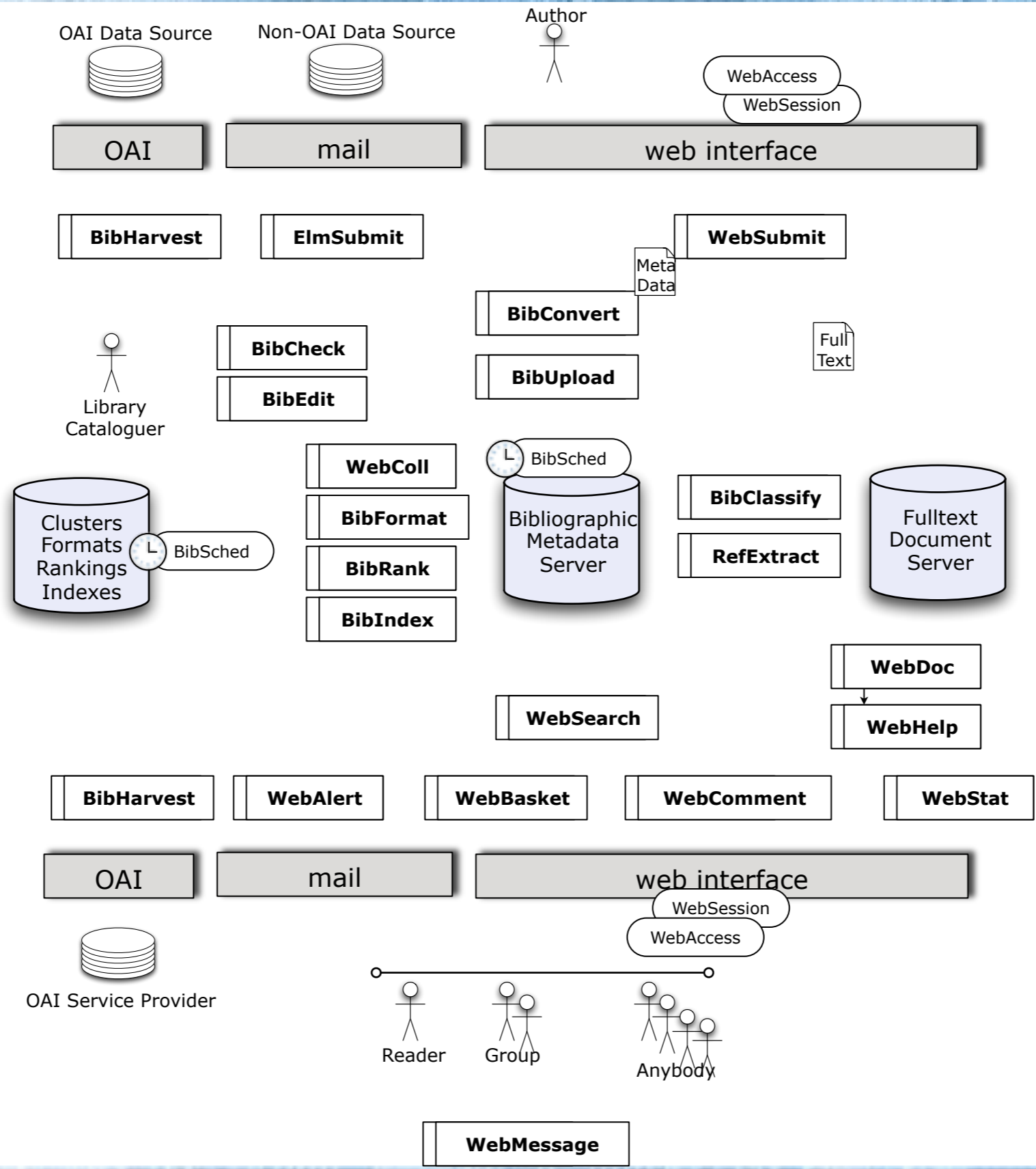
Source: <https://www.ohloh.net/p/invenio/analyses/latest>

Architecture

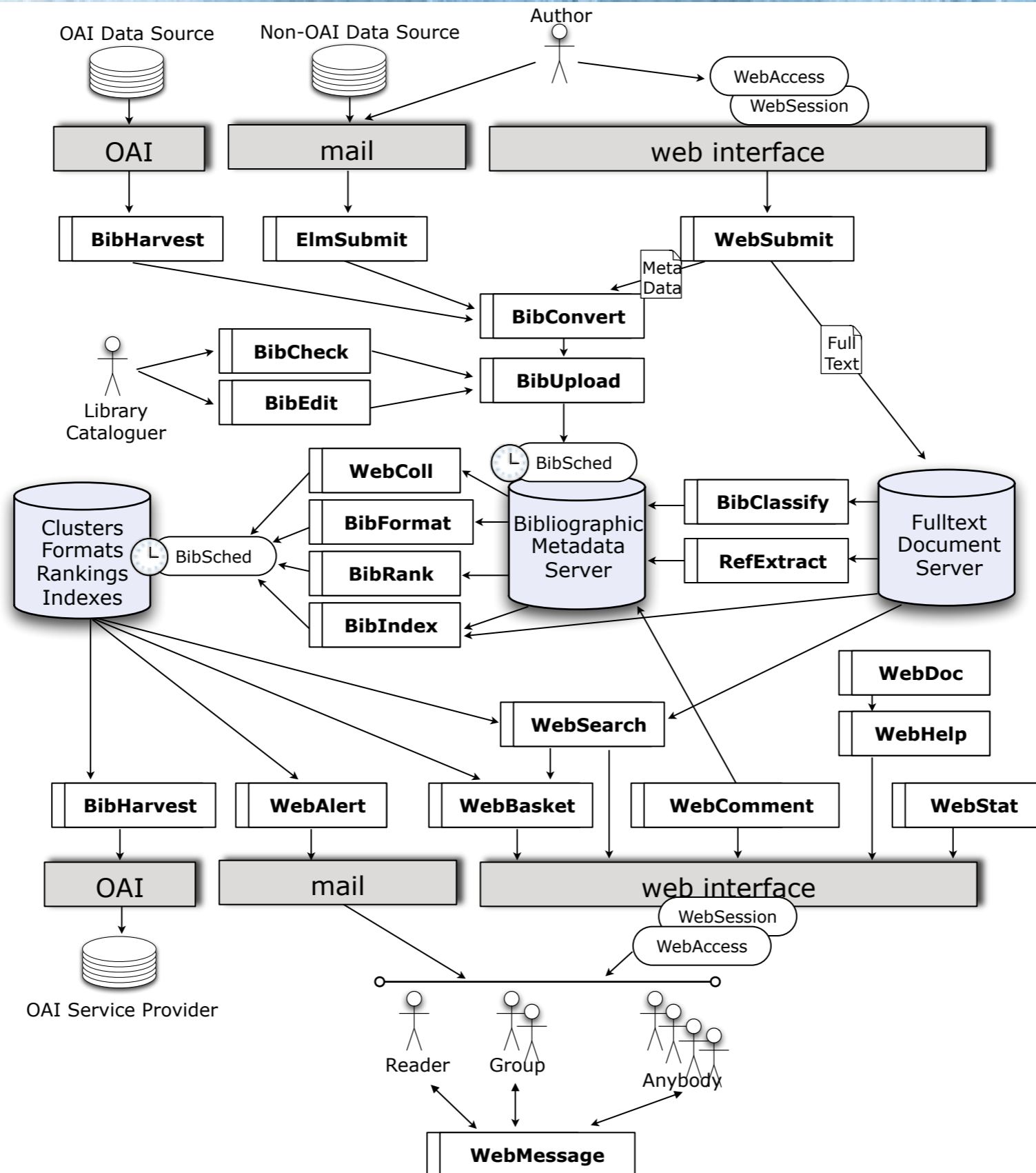
Language	Code Lines	Comment	Comment	Blank Lines	Total Lines
Python	141,545	82,761	36.9 %	32,985	257,291
HTML	26,954	301	1.1 %	4,102	31,357
XML	23,147	51	0.2 %	16	23,214
JavaScript	7,305	1,845	20.2 %	1,037	10,187
C	7,021	3,133	30.9 %	738	10,892
SQL	6,734	123	1.8 %	572	7,429
XSL	4,833	682	12.4 %	343	5,858
CSS	3,660	140	3.7 %	146	3,946
Automake	1,962	3,543	64.4 %	762	6,267
Autoconf	771	0	0.0 %	47	818
Lisp	767	64	7.7 %	42	873
Make	309	84	21.4 %	58	451
shell script	153	165	51.9 %	32	350
Emacs	38	37	49.3 %	13	88
TeX/LaTeX	29	5	14.7 %	6	40
Lua	10	2	16.7 %	3	15

Source: <https://www.ohloh.net/p/invenio/analyses/latest>

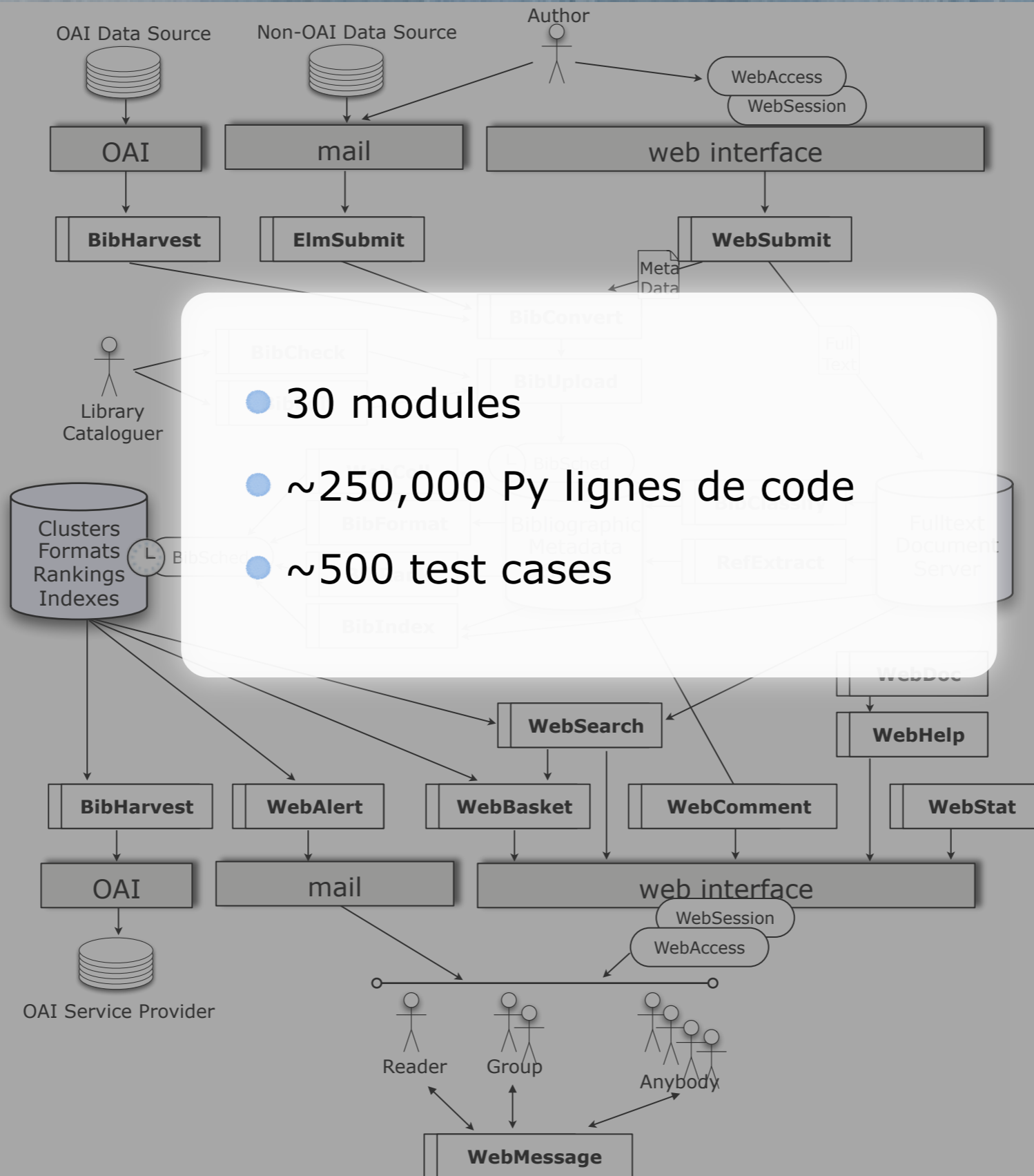
Workflow



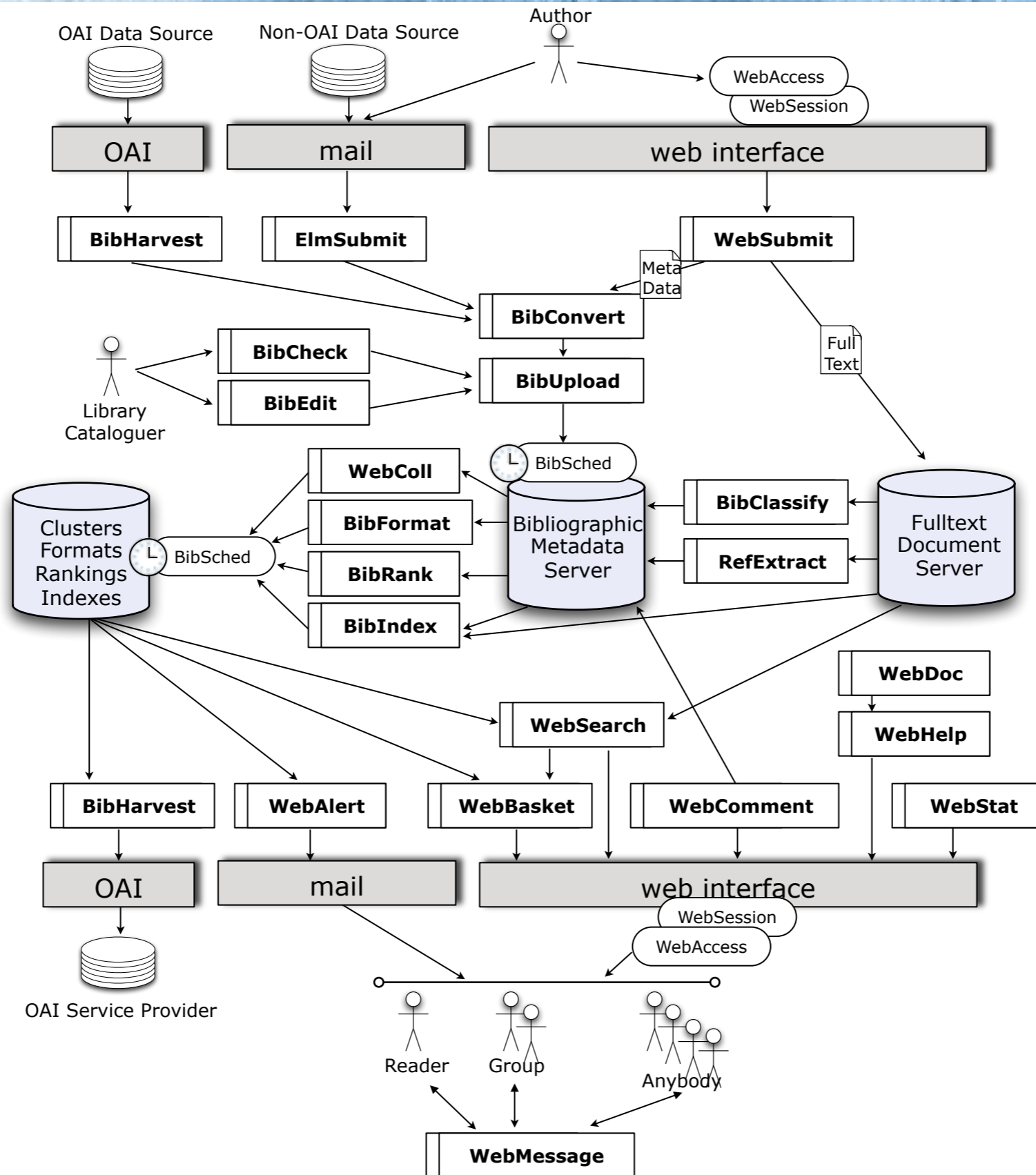
Workflow



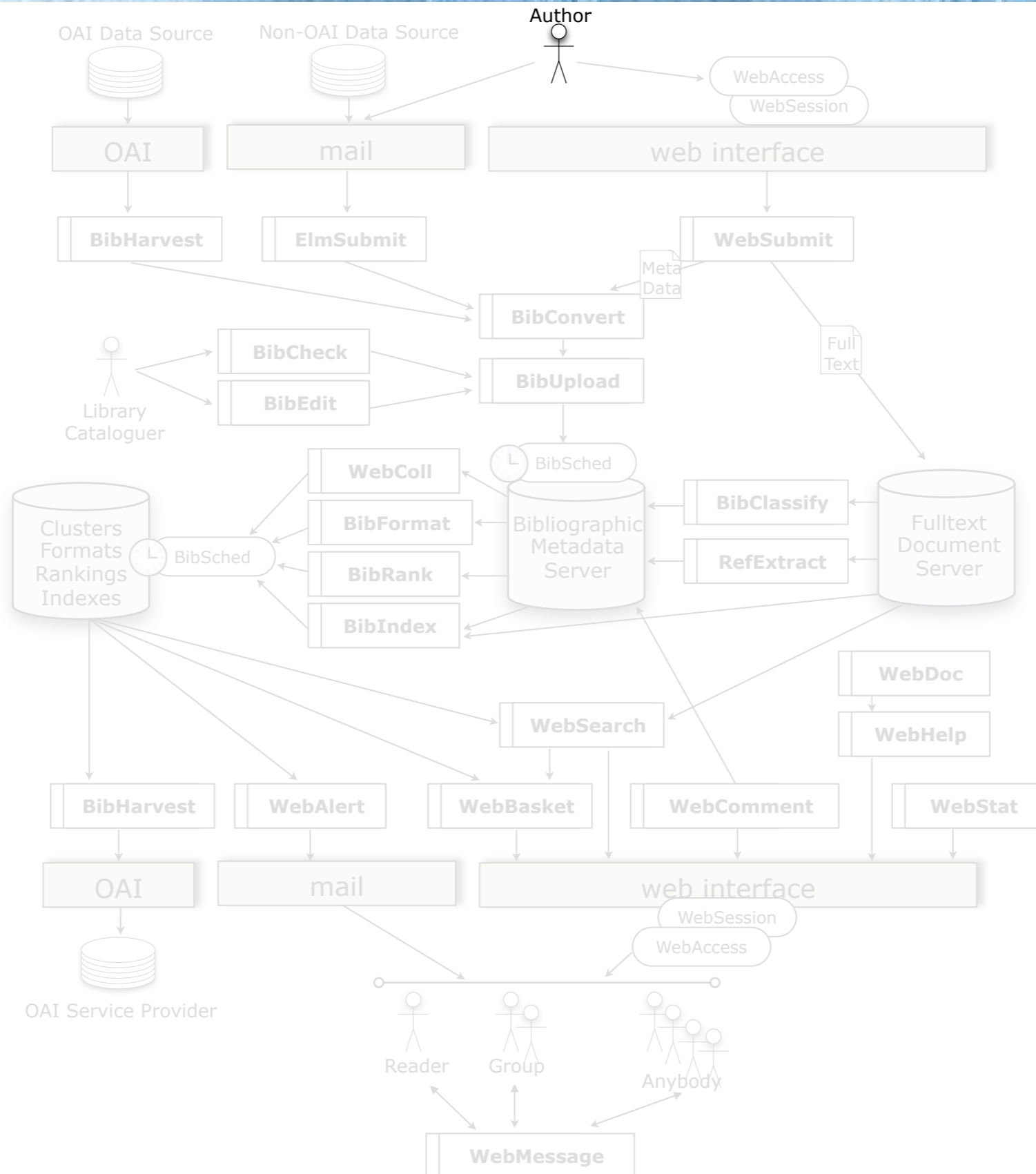
Workflow



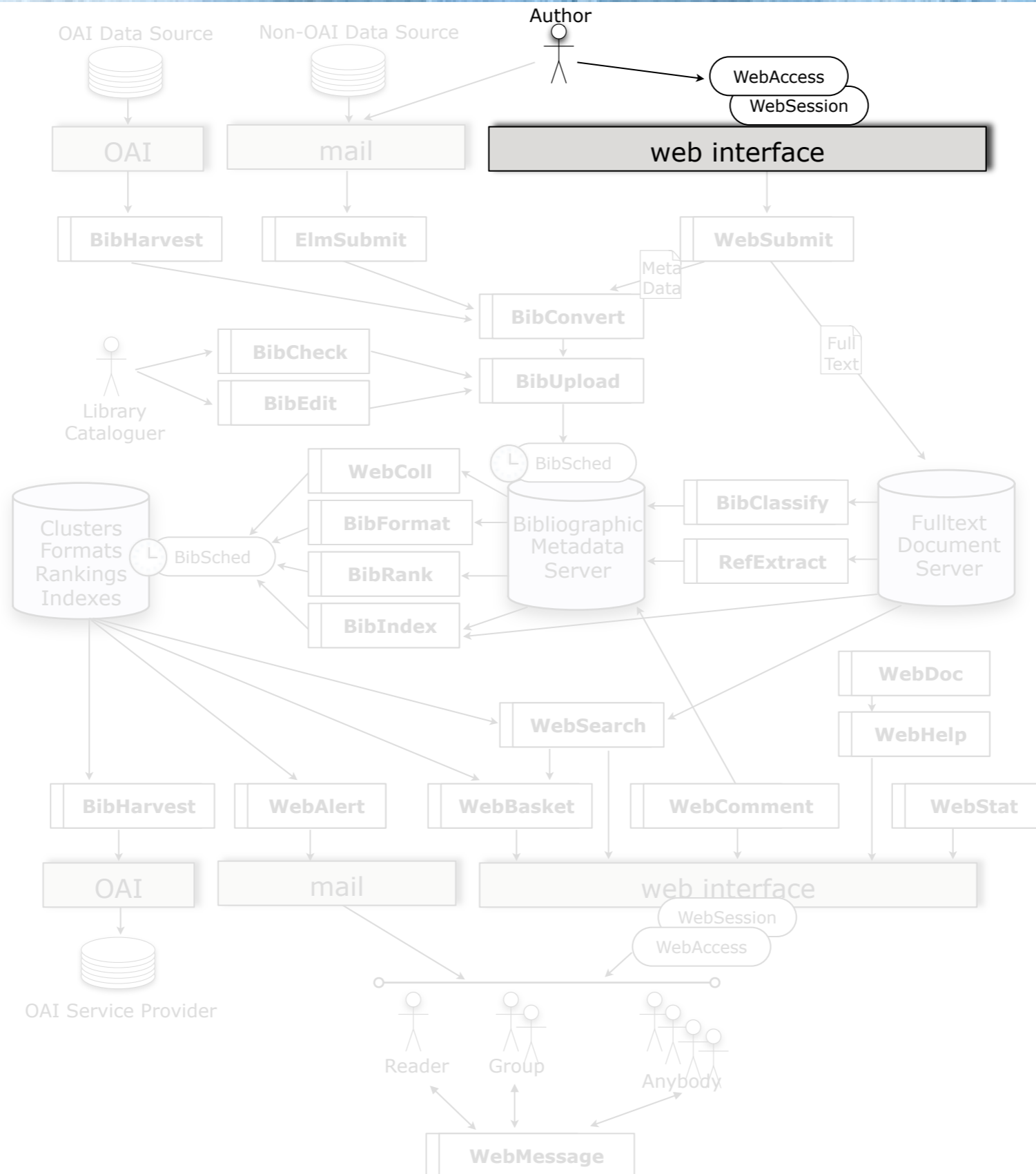
Workflow



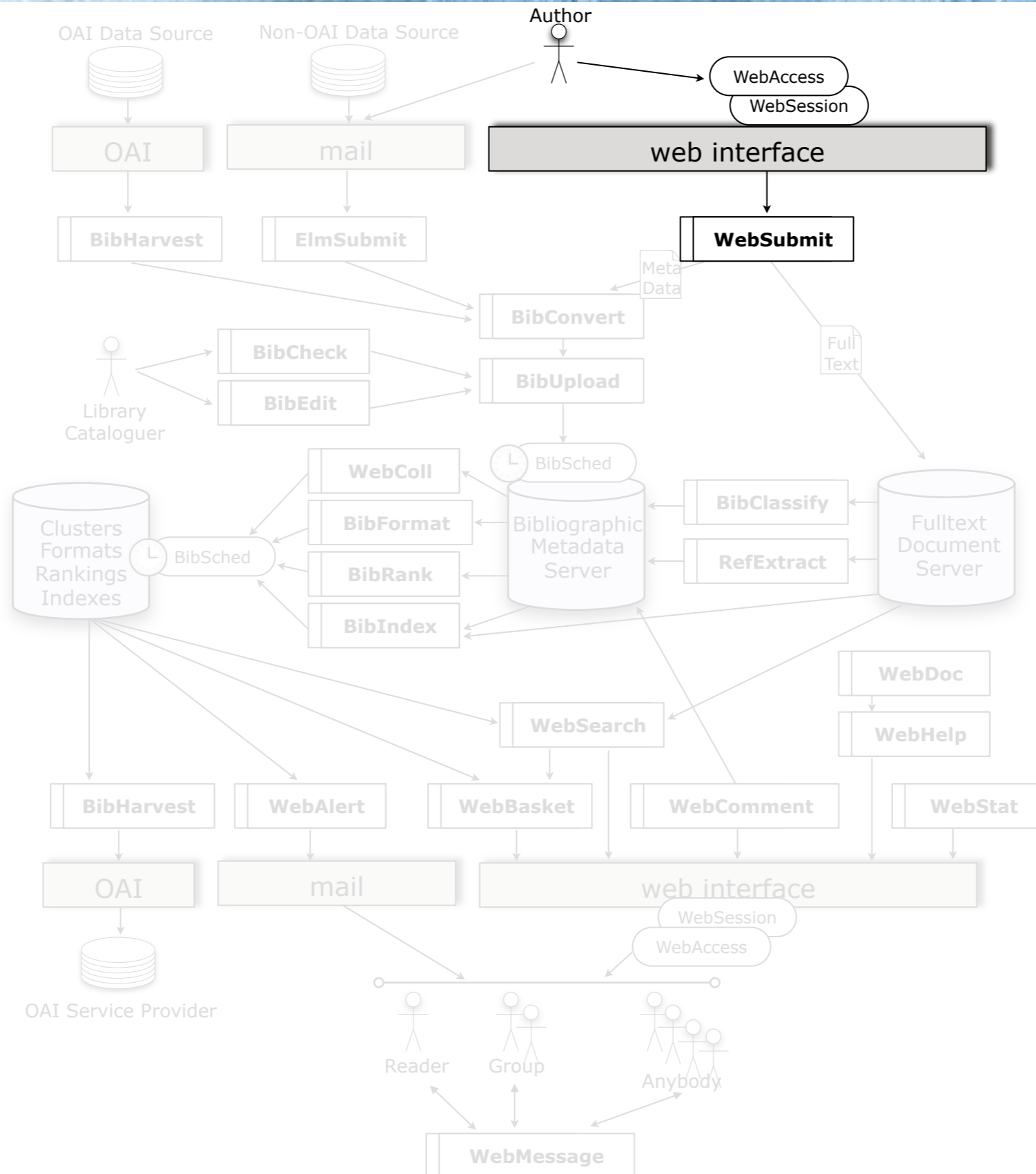
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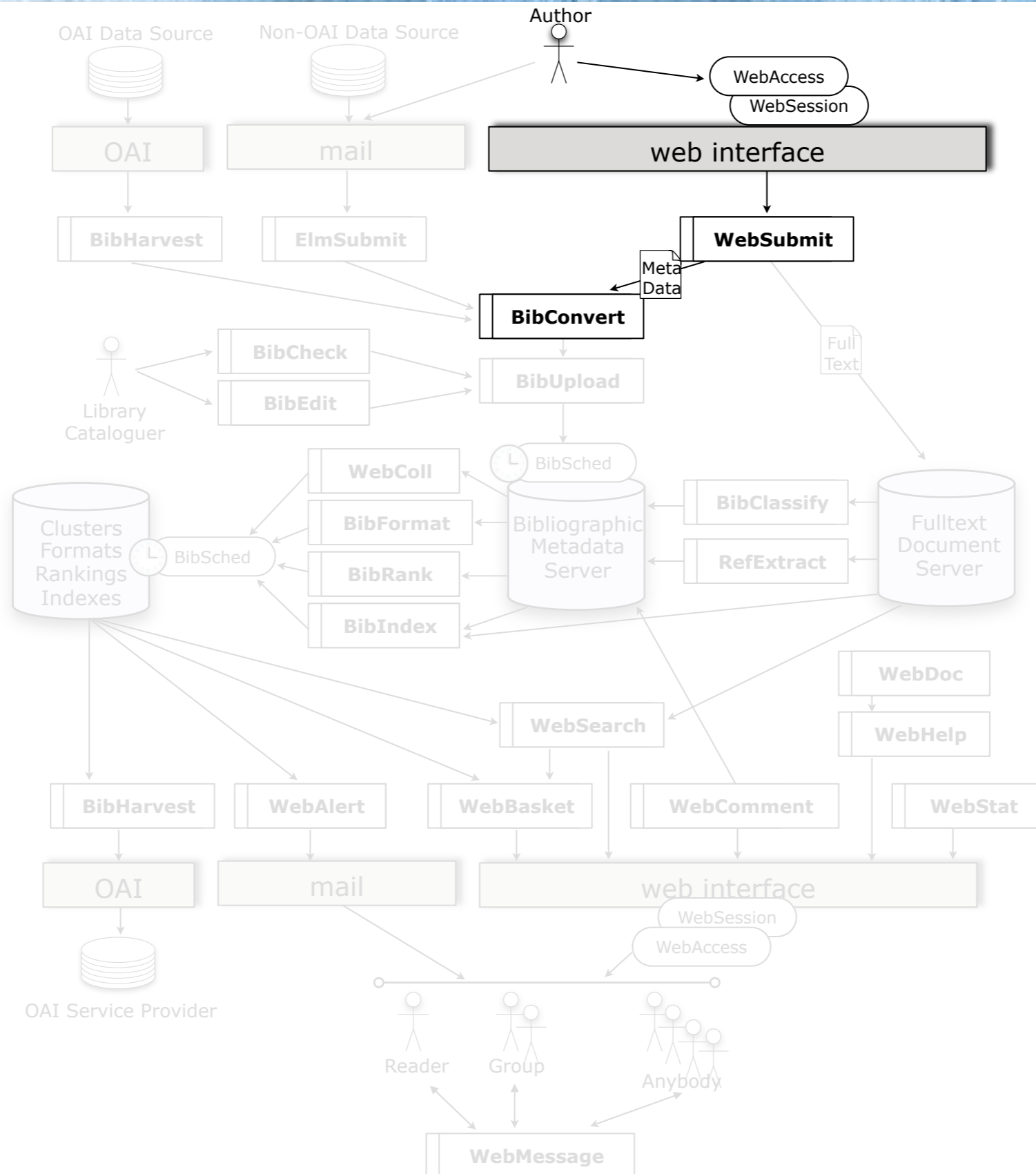
Workflow



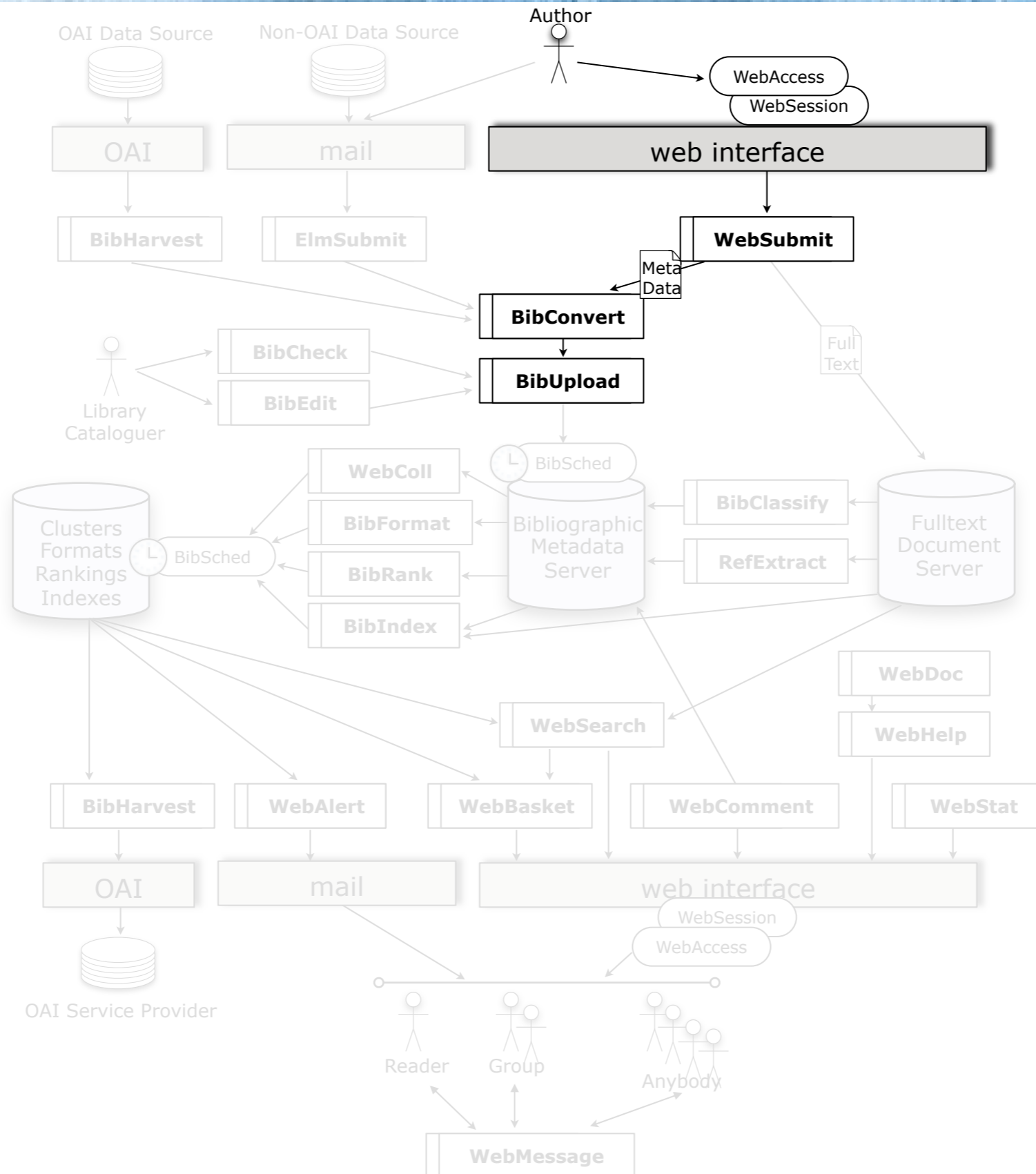
Workflow



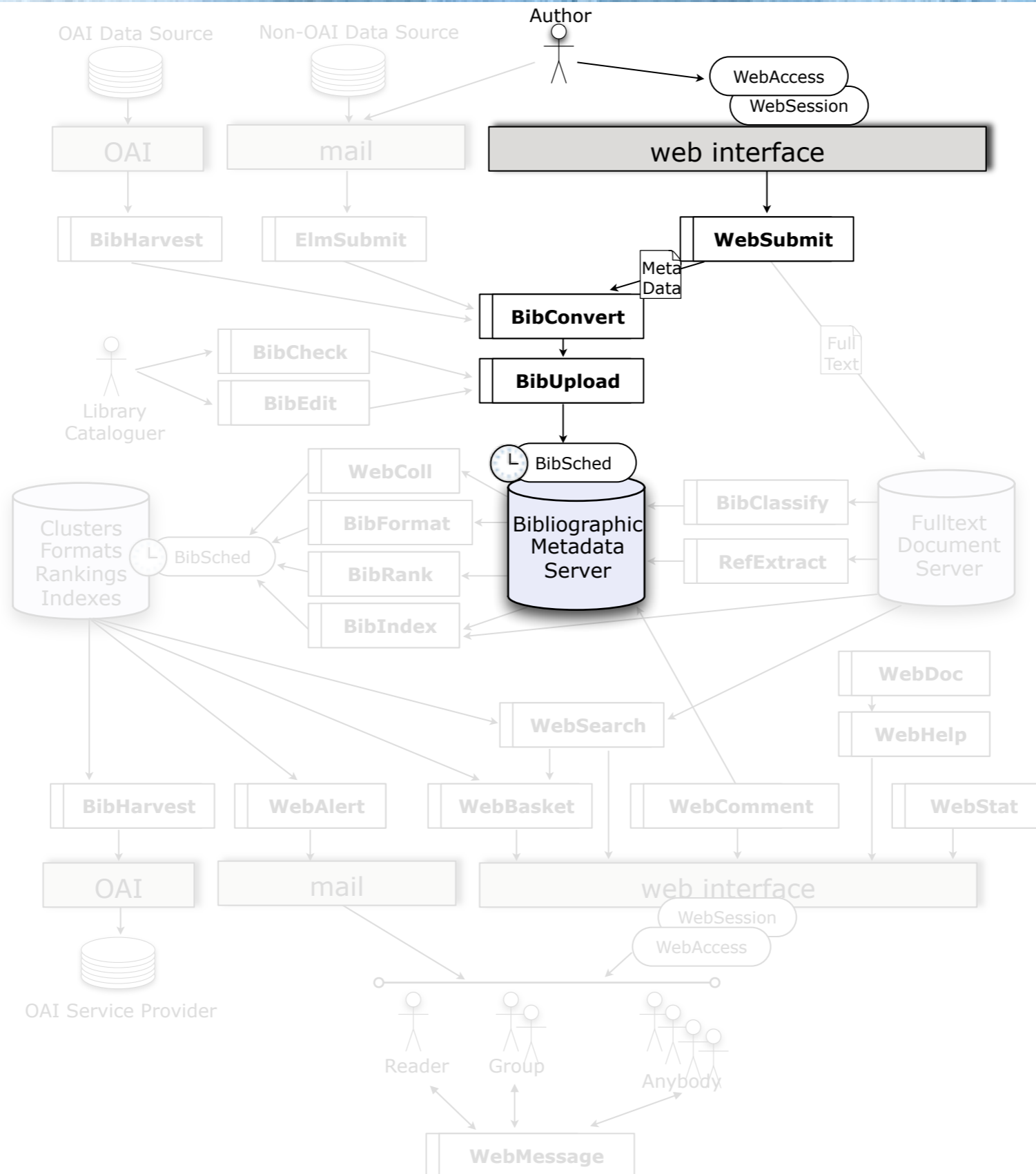
Workflow



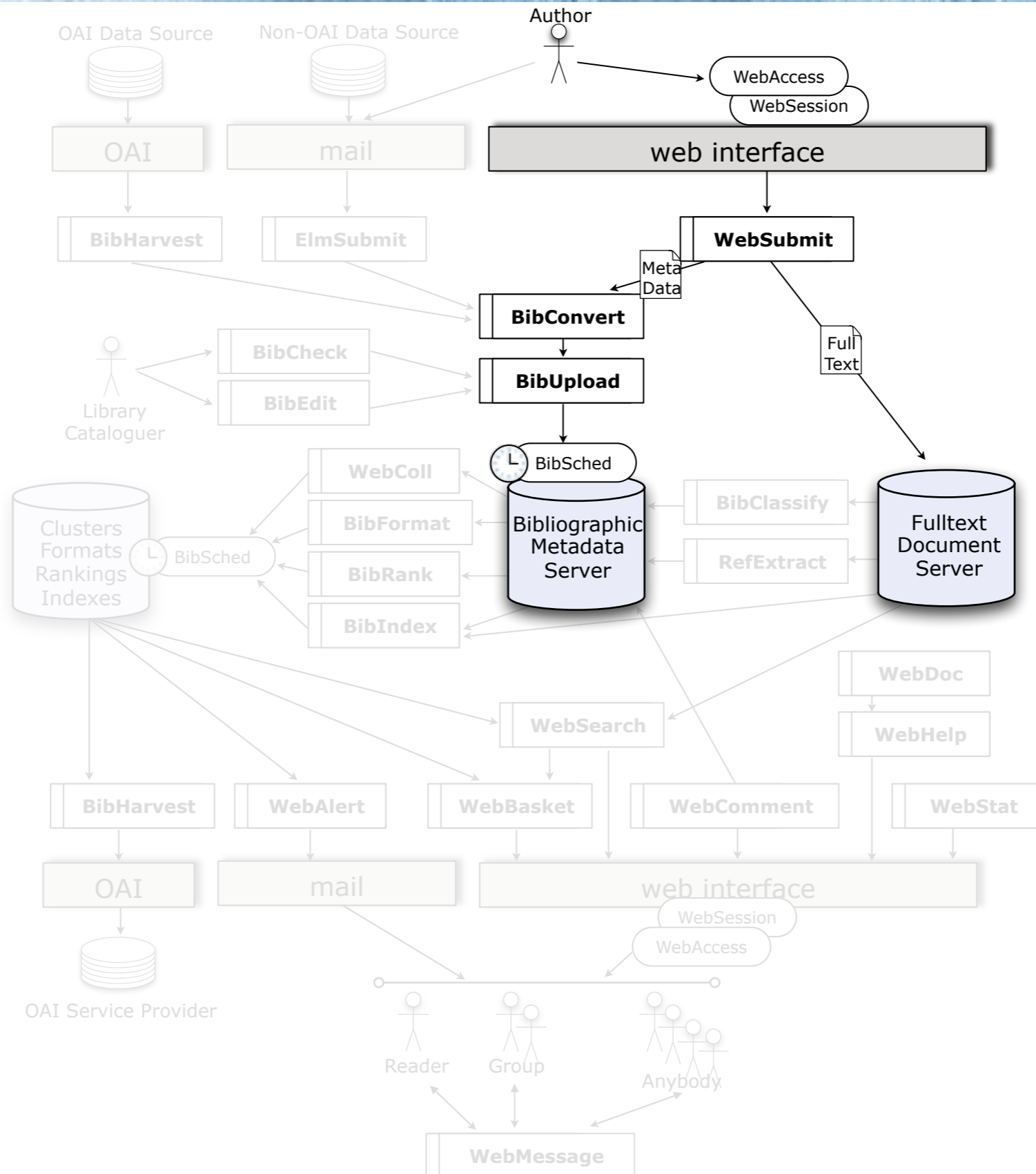
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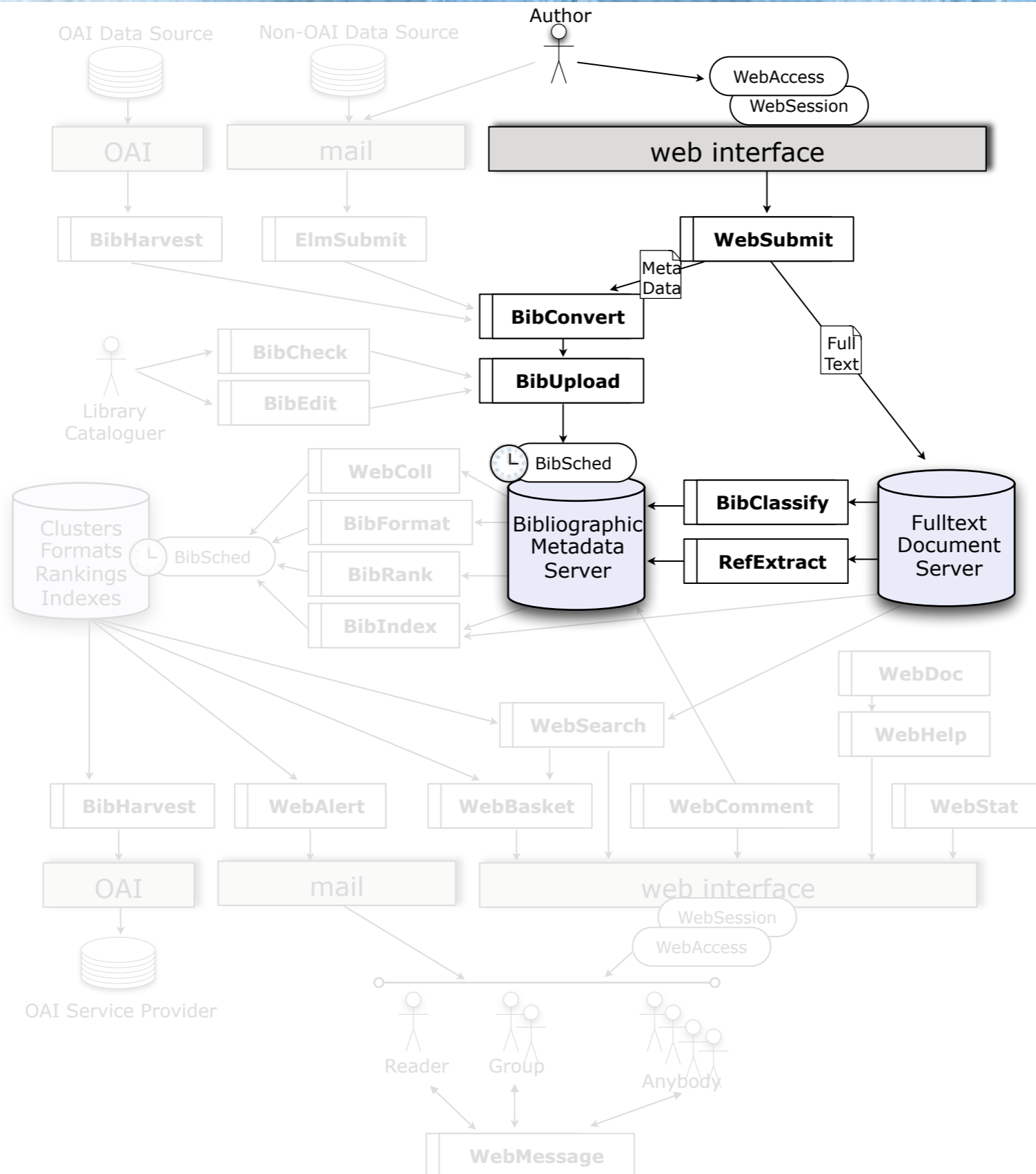
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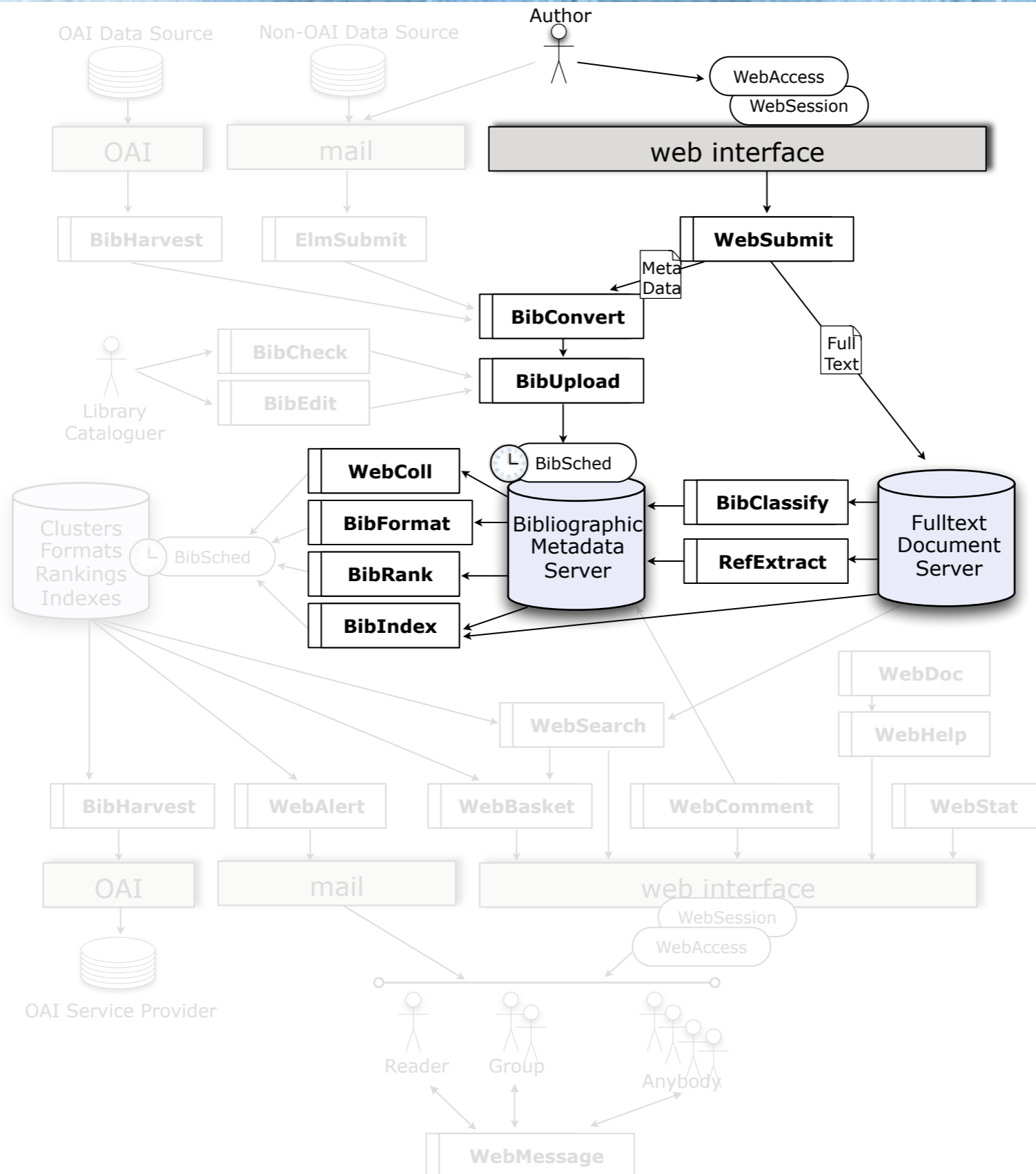
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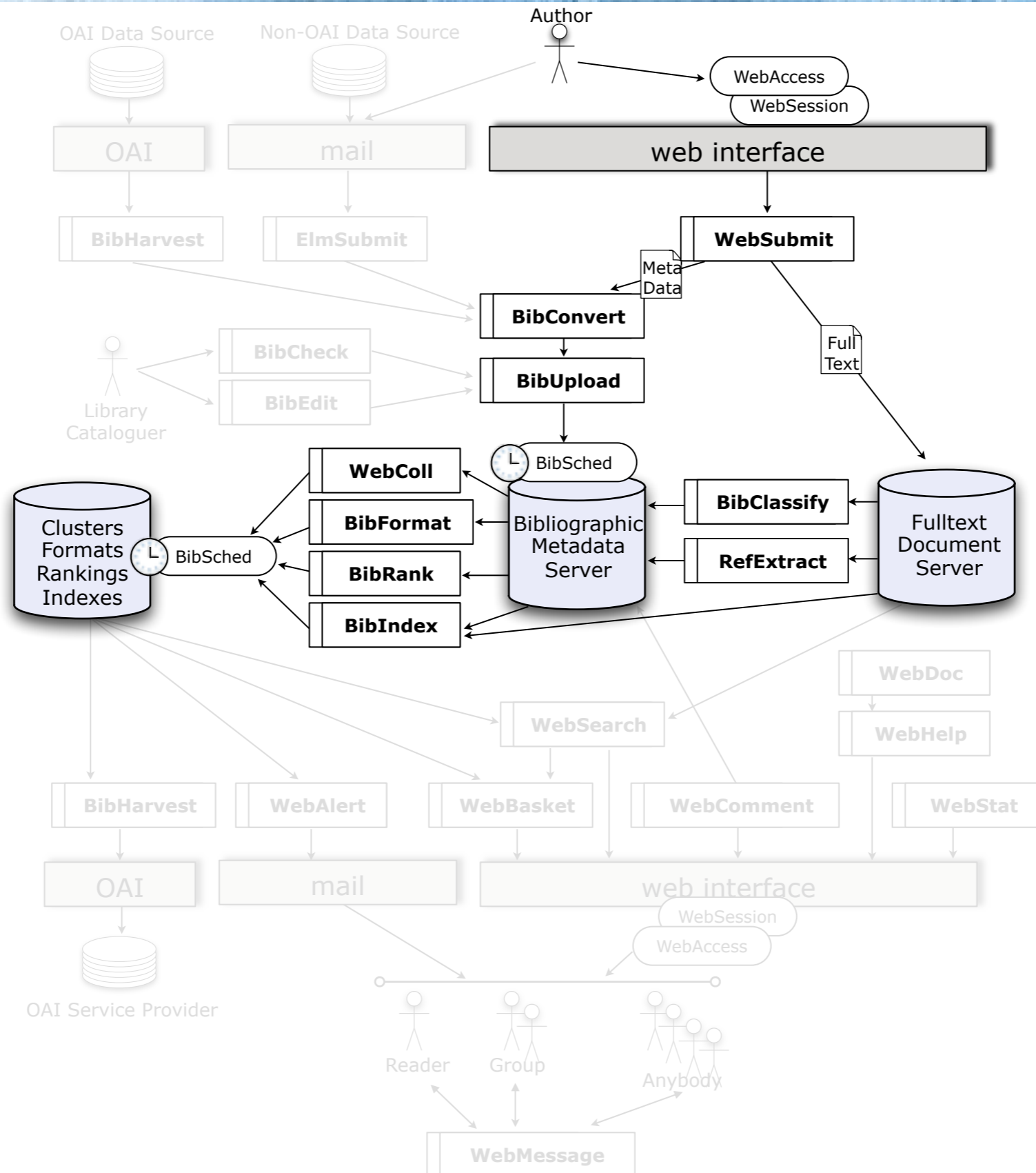
Workflow



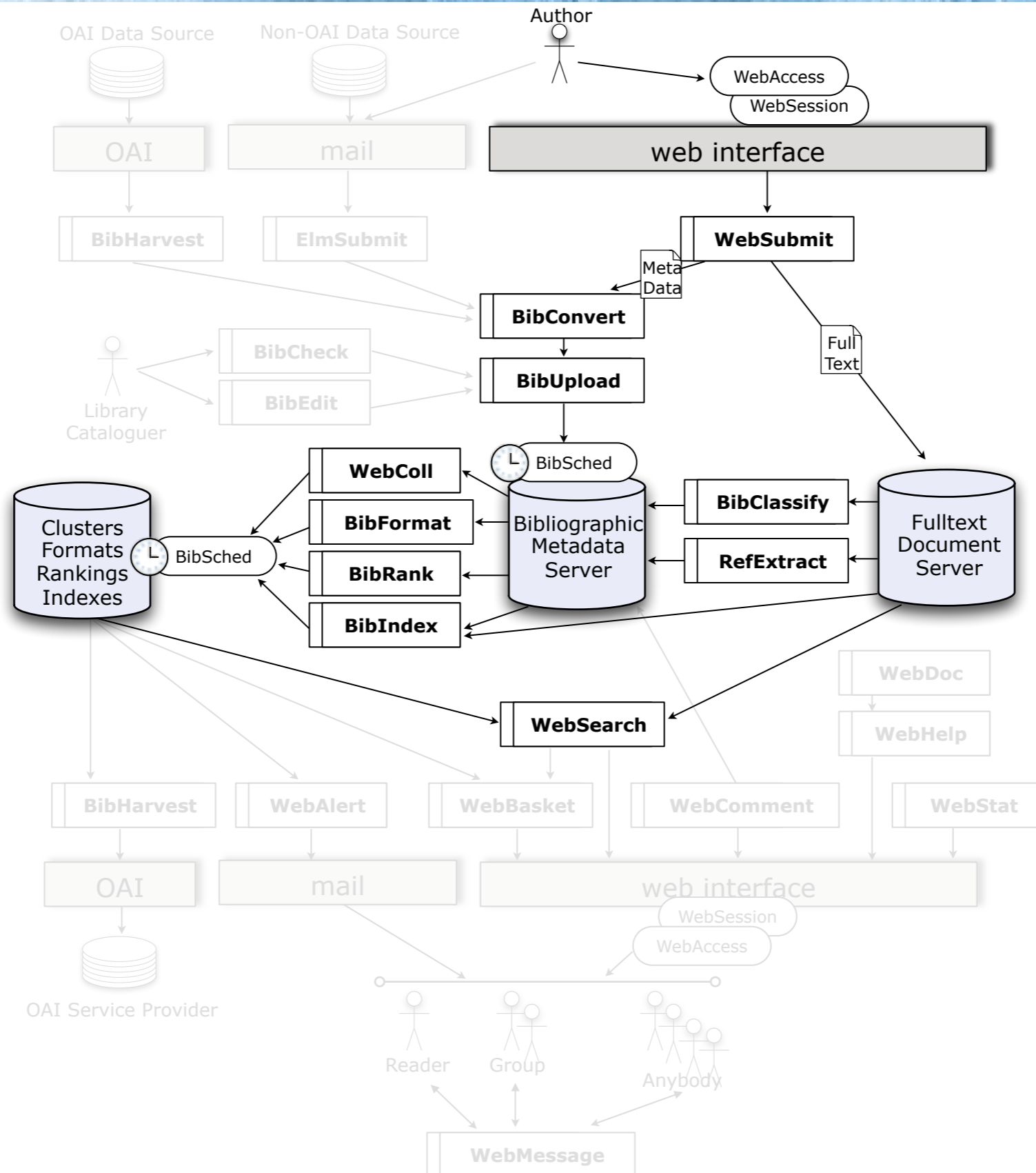
Workflow



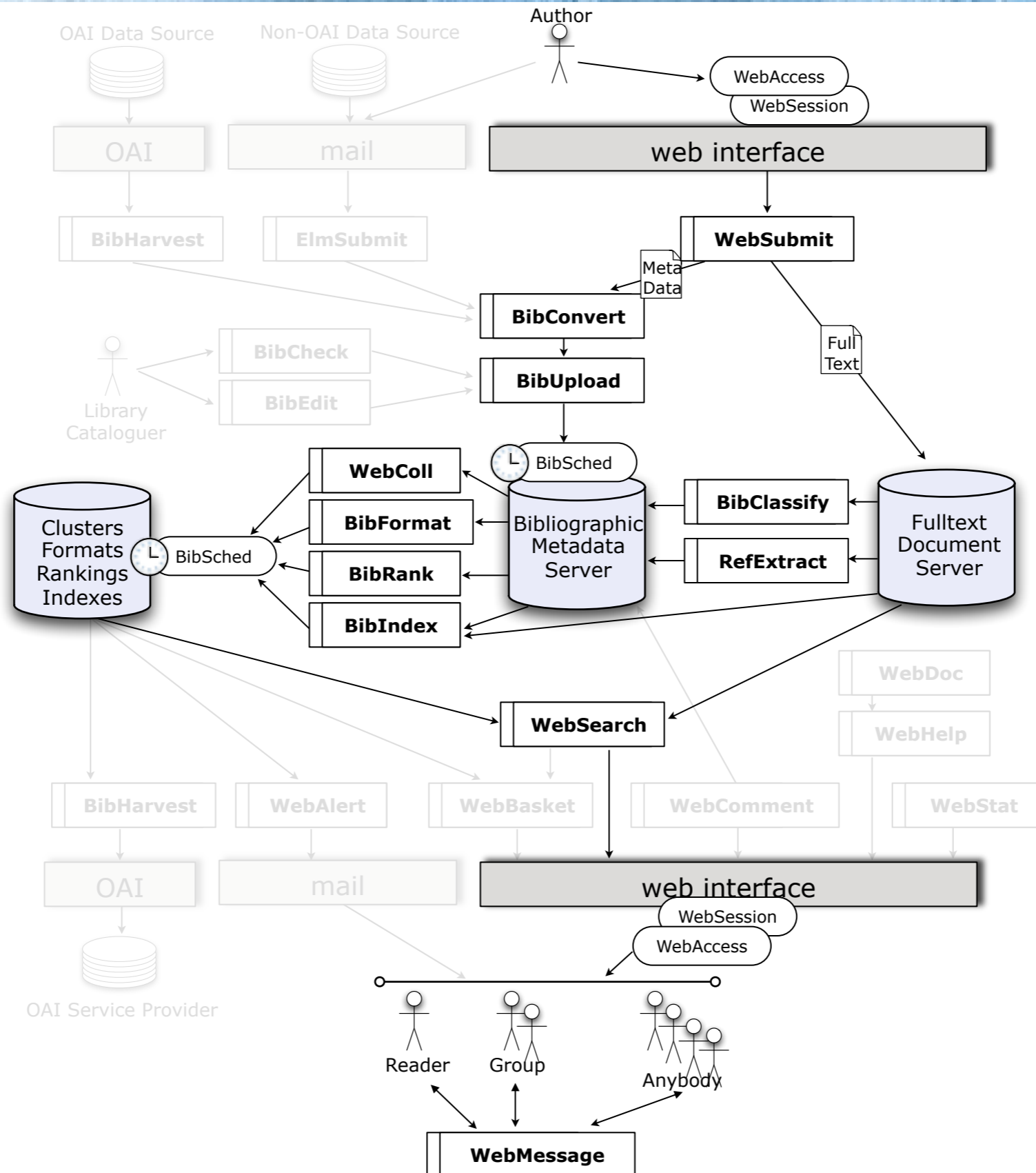
Workflow



Workflow



Workflow





The architecture



The Toolkit





The Toolkit





The Harvester



BibConvert

WebStat

WebBasket

WebMessa

Group

BibClassify

WebSearch

BibUpload

BibRecord

WebCol

WebAccess

BibFormat

BibExport

BibHarvest

BibRank

WebC

BibMerge

BibEdit

BibIndex

BibSched

WebSubmi





BibConvert

WebStat

WebBasket

WebMessa

Group

BibClassify

WebSearch

BibUpload

BibRecord

WebCol

WebAccess

BibFormat

BibExport

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WebC

BibHarvest

BibMerge

BibEdit

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BibExport

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BibMerge

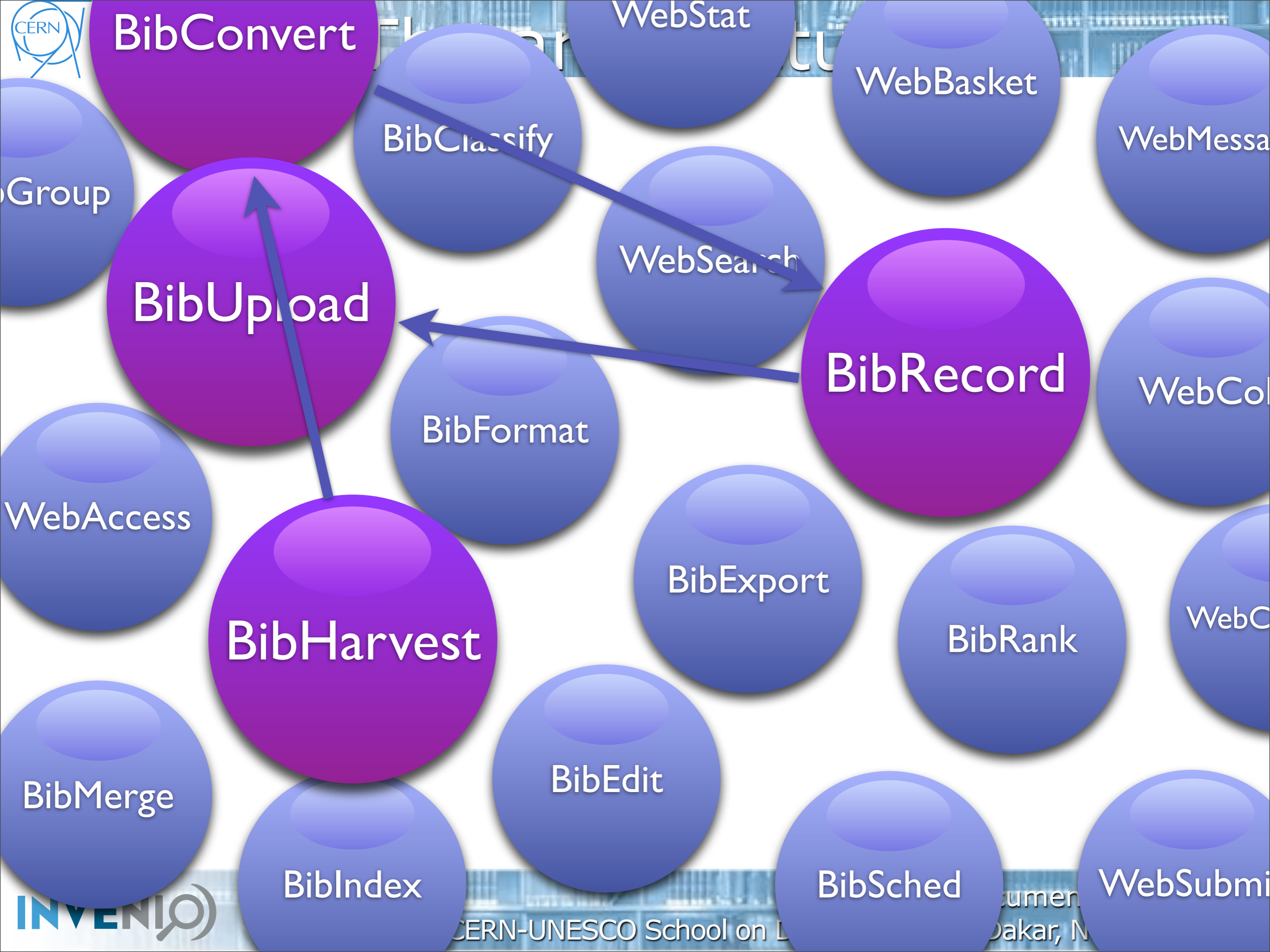
BibEdit

BibIndex

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WebSubmi





BibConvert

WebStat

WebBasket

WebMessa

BibClassify

WebSearch

BibRecord

WebCol

BibFormat

BibExport

BibRank

WebC

BibHarvest

BibUpload

BibEdit

BibIndex

BibMerge

WebAccess

BibSched

WebSubmi



Intégration & Personnalisation



The screenshot shows a web browser window titled "Atlantis Institute of Fictive Science: Home" with the URL "http://invenio-demo.cern.ch/". The page features a navigation menu with "Search", "Submit", "Personalize", and "Help" buttons. The main content area includes a search bar with "Search 96 records for:" and a dropdown menu set to "any field". Below the search bar are sections for "Narrow by collection:" and "Focus on:". The footer contains site information and a list of available languages.

Atlantis Institute of Fictive Science: Home

http://invenio-demo.cern.ch/

ATLANTIS
INSTITUTE OF
FICTIVE
SCIENCE

Search Submit Personalize Help

Home

Atlantis Institute of Fictive Science

Search 96 records for:

any field Search Browse

[Search Tips](#) :: [Advanced Search](#)

Narrow by collection:

- [Articles & Preprints](#) (63)
[Articles](#) (27) [Preprints](#) (36)
- [Books & Reports](#) (24)
[Books](#) (14) [Theses](#) (8) [Reports](#) (2)
- [Multimedia & Arts](#) (9)
[Pictures](#) (7) [Poetry](#) (2)

Focus on:

- [CERN Divisions](#) (5)
[Experimental Physics \(EP\)](#) (1) [Theoretical Physics \(TH\)](#) (4)
- [CERN Experiments](#) (2)
[ALEPH](#) (1) [ISOLDE](#) (1)

ABOUT THIS SITE

Welcome to the demo site of the CDS Invenio, a free document server software coming from CERN. Please feel free to explore all the features of this demo site to the full.

SEE ALSO

- [CDS Invenio](#)
- [CERN](#)
- [Google](#)

Atlantis Institute of Fictive Science :: [Search](#) :: [Submit](#) :: [Personalize](#) :: [Help](#)

Powered by [CDS Invenio v0.99.1](#)
Maintained by cds.support@cern.ch
Last updated: 25 Sep 2008, 10:13

This site is also available in the following languages:
[Български](#) [Català](#) [Česky](#) [Deutsch](#) [Ελληνικά](#) [English](#) [Español](#)
[Français](#) [Hrvatski](#) [Italiano](#) [Magyar](#) [日本語](#) [Norsk/Bokmål](#) [Polski](#)
[Português](#) [Русский](#) [Slovensky](#) [Svenska](#) [Українська](#) [中文\(簡\)](#) [中文\(繁\)](#)

Personalisation du style

The screenshot shows a web browser window with the URL <http://invenio-demo.cern.ch/>. The page title is "Atlantis Institute of Fictive Science: Home". The main content area features a search bar with "Search 96 records for:" and a dropdown menu set to "any field". Below the search bar are two filter sections:

- Narrow by collection:**
 - [Articles & Preprints](#) (63)
[Articles](#) (27) [Preprints](#) (36)
 - [Books & Reports](#) (24)
[Books](#) (14) [Theses](#) (8) [Reports](#) (2)
 - [Multimedia & Arts](#) (9)
[Pictures](#) (7) [Poetry](#) (2)
- Focus on:**
 - [CERN Divisions](#) (5)
[Experimental Physics \(EP\)](#) (1) [Theoretical Physics \(TH\)](#) (4)
 - [CERN Experiments](#) (2)
[ALEPH](#) (1) [ISOLDE](#) (1)

Hand-drawn red boxes and arrows highlight these two filter sections, with a red arrow pointing to the text "Arbre des collections" written in red cursive below them.

Other elements on the page include a navigation menu with "Search", "Submit", "Personalize", and "Help"; a "Home" link; a "guest :: login" link; and a "SEE ALSO" section with links to "CDS Invenio", "CERN", and "Google".

At the bottom, there is a footer with site information: "Atlantis Institute of Fictive Science :: Search :: Submit :: Personalize :: Help", "Powered by CDS Invenio v0.99.1", "Maintained by cds.support@cern.ch", "Last updated: 25 Sep 2008, 10:13", and a list of available languages: "Bългарски Català Český Deutsch Ελληνικά English Español Français Hrvatski Italiano Magyar 日本語 Norsk/Bokmål Polski Português Русский Slovensky Svenska Українська 中文(簡) 中文(繁)".

Arbre des collections

Personalisation du style

Atlantis Institute of Fictive Science: Home

http://invenio-demo.cern.ch/

ATLANTIS INSTITUTE OF FICTIVE SCIENCE

Search Submit Personalize Help

Home

Atlantis Institute of Fictive Science

Search 96 records for:

any field Search Browse

Search Tips :: [Advanced Search](#)

Narrow by collection:

- [Articles & Preprints](#) (63)
[Articles](#) (27) [Preprints](#) (36)
- [Books & Reports](#) (24)
[Books](#) (14) [Theses](#) (8) [Reports](#) (2)
- [Multimedia & Arts](#) (9)
[Pictures](#) (7) [Poetry](#) (2)

Focus on:

- [CERN Divisions](#) (5)
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[ALEPH](#) (1) [ISOLDE](#) (1)

ABOUT THIS SITE

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SEE ALSO

- [CDS Invenio](#)
- [CERN](#)
- [Google](#)

Atlantis Institute of Fictive Science :: [Search](#) :: [Submit](#) :: [Personalize](#) :: [Help](#)

Powered by [CDS Invenio v0.99.1](#)
Maintained by cds.support@cern.ch
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[Français](#) [Hrvatski](#) [Italiano](#) [Magyar](#) [日本語](#) [Norsk/Bokmål](#) [Polski](#)
[Português](#) [Русский](#) [Slovensky](#) [Svenska](#) [Українська](#) [中文\(簡\)](#) [中文\(繁\)](#)

Portal boxes

Arbre des collections

Personnalisation du style

Chaque bloc composant l'interface

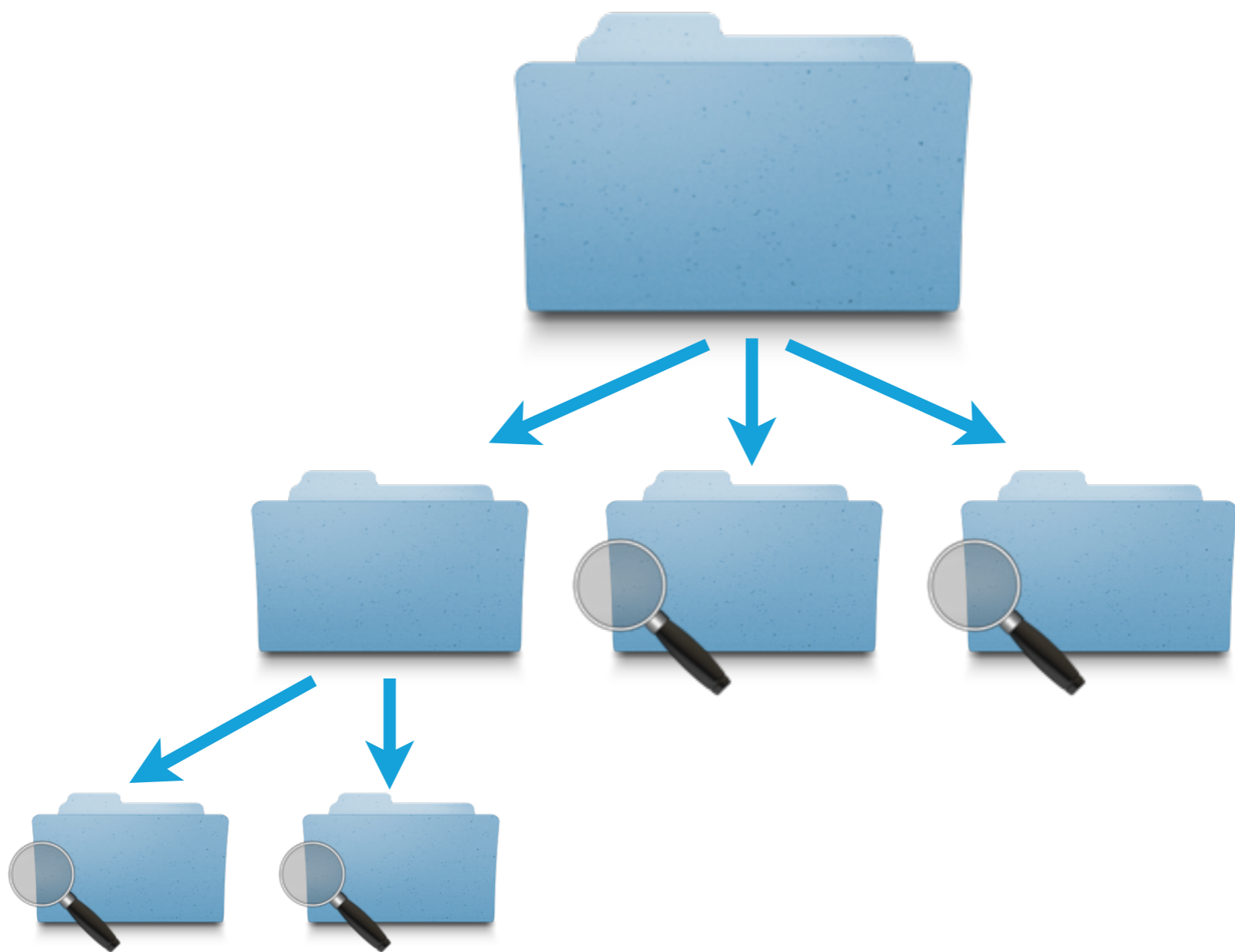


Portal boxes

Arbre des collections

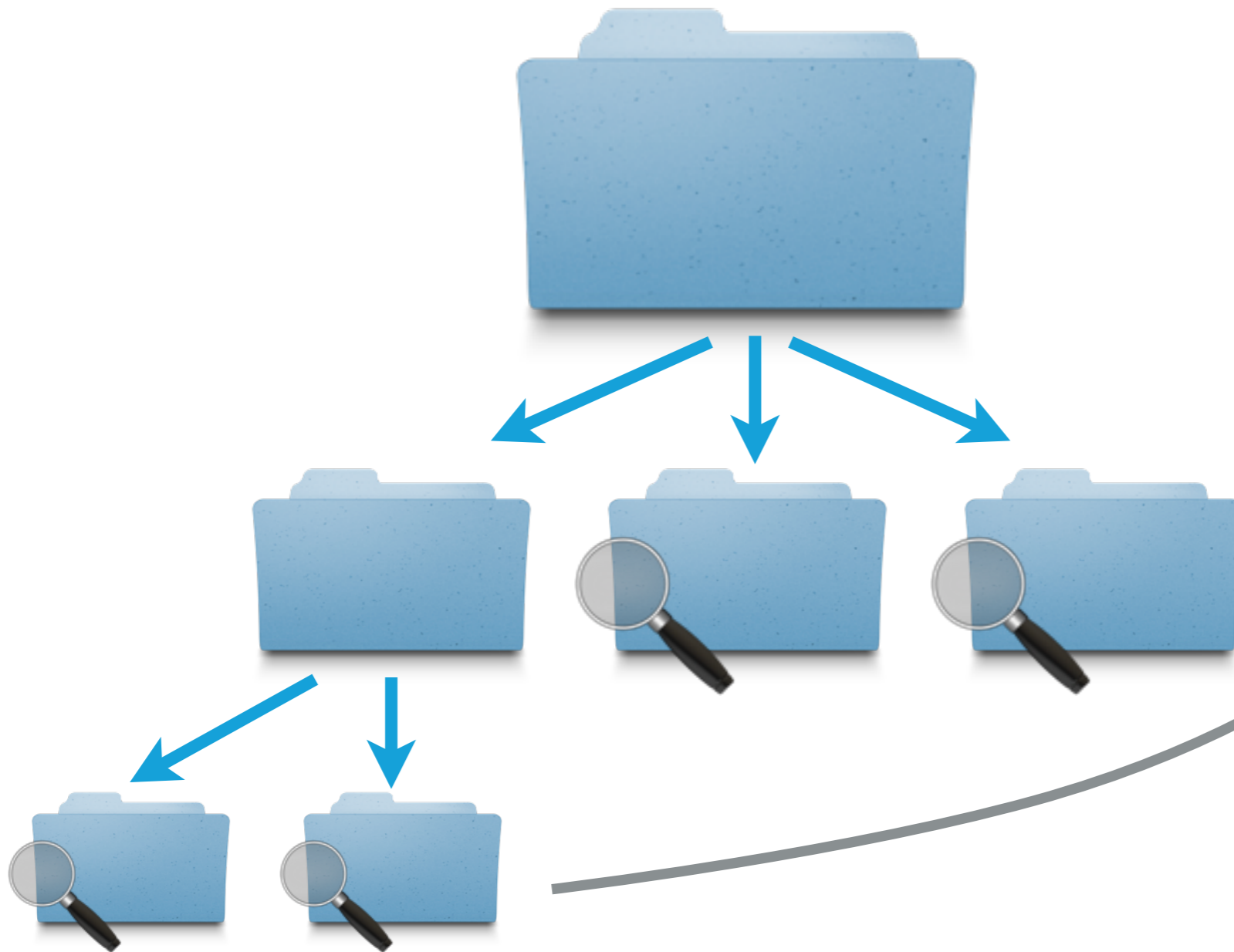
- Système de "templates", avec WebStyle

Arbre des collections



Arbre des collections

Collections normales
("narrow by")




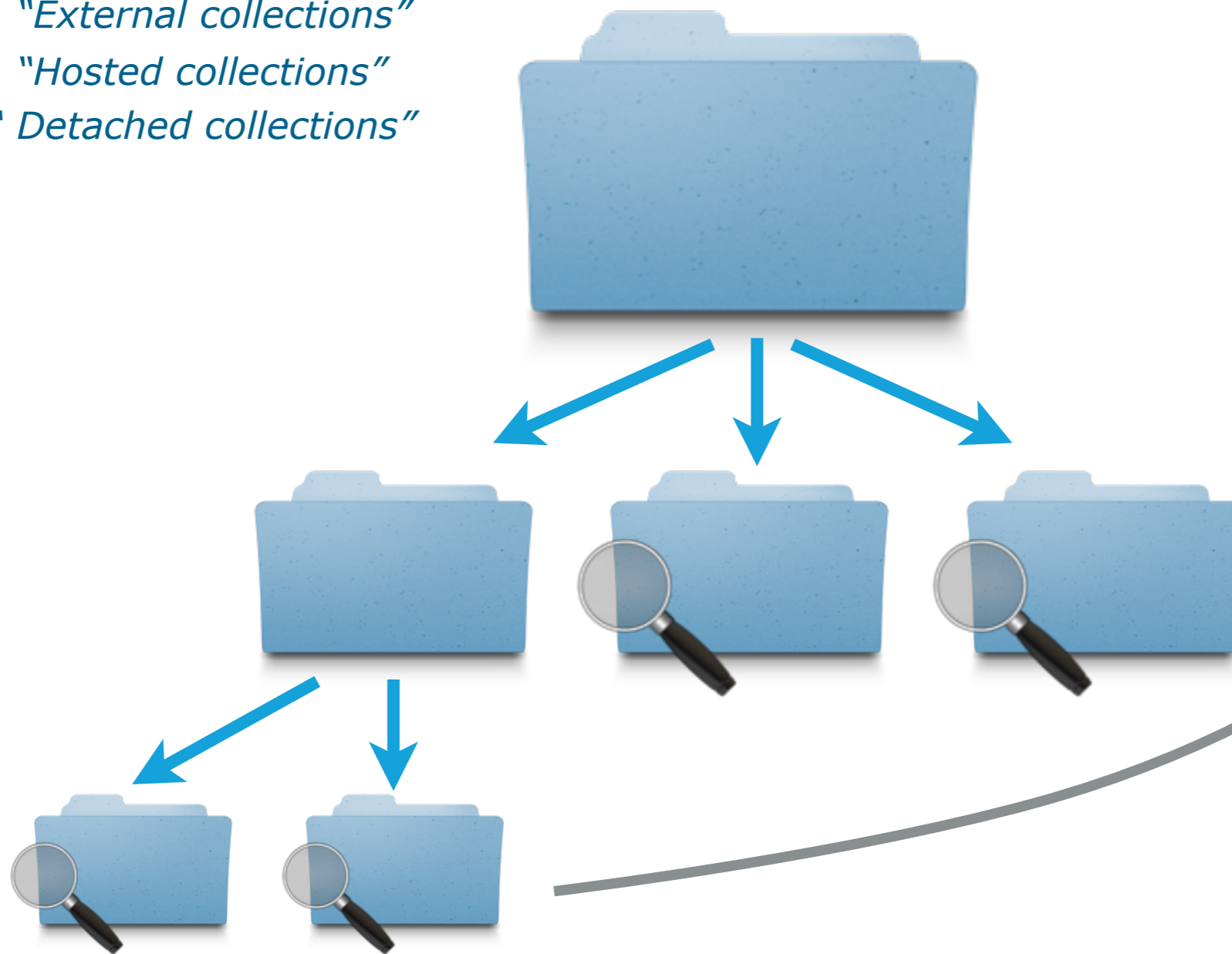
Collections
virtuelles
("focus on")



Arbre des collections

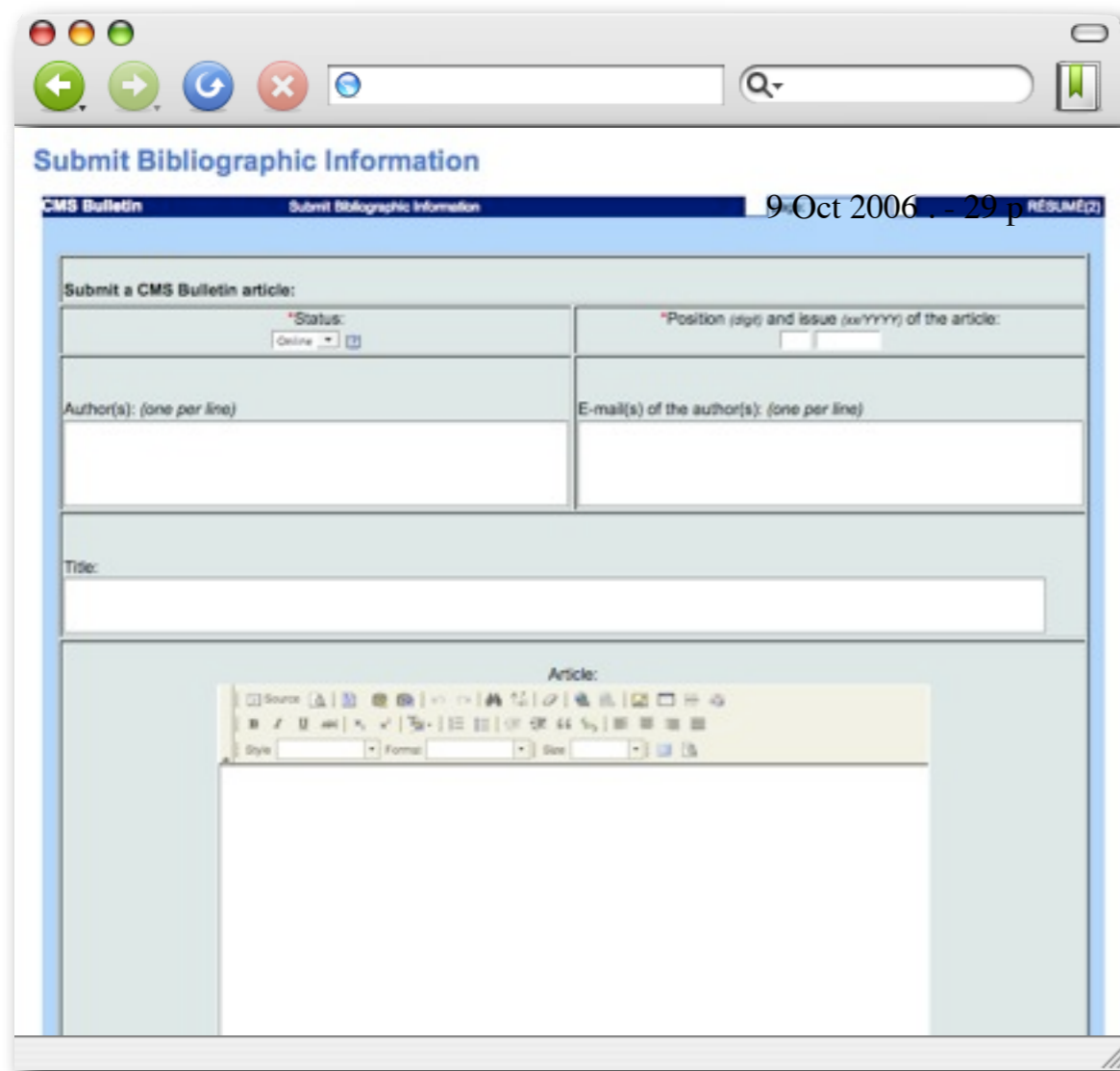
Collections normales (*"narrow by"*)

 *"External collections"*
"Hosted collections"
"Detached collections"



Collections virtuelles (*"focus on"*)



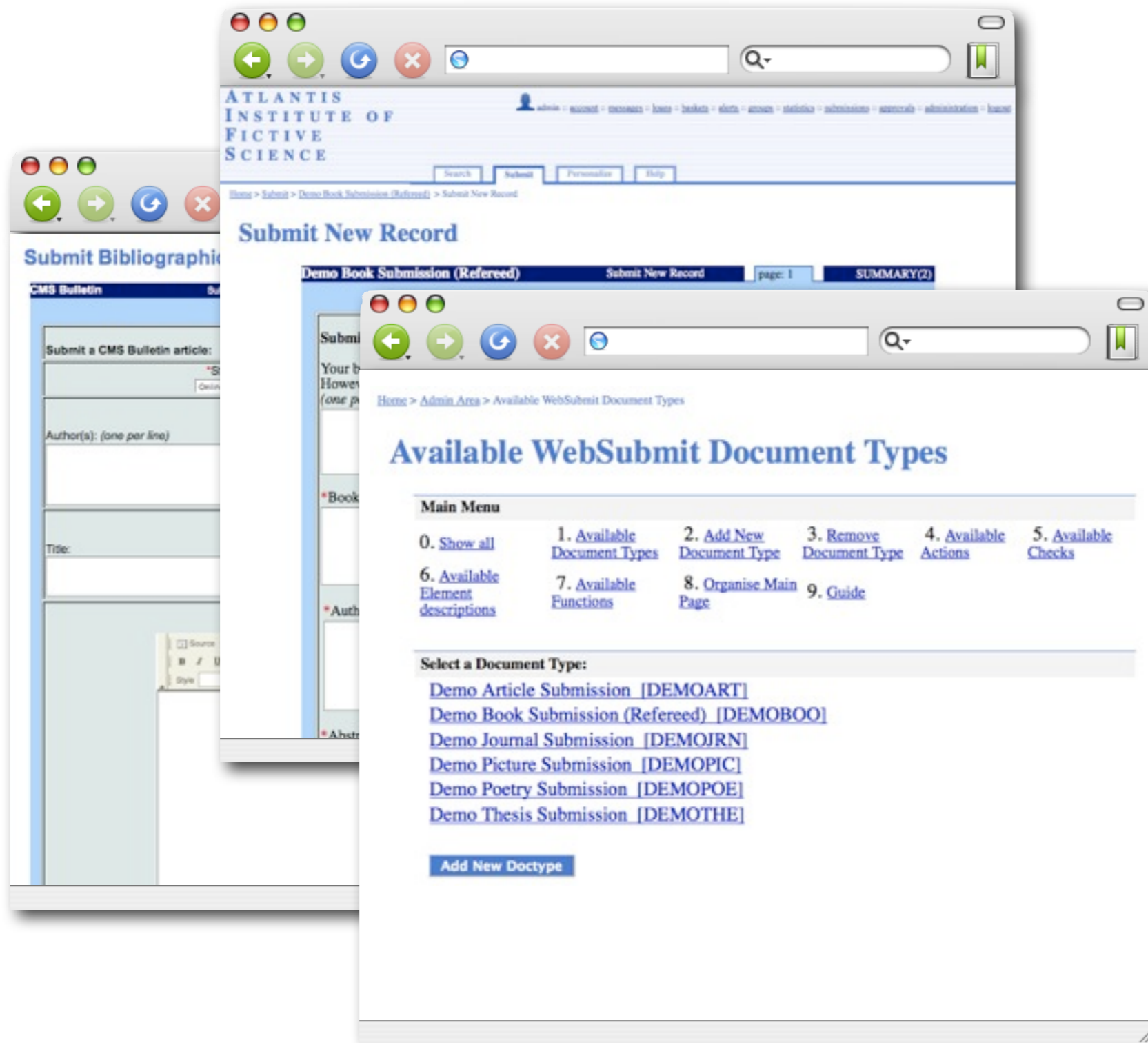


The screenshot shows a web browser window with the title 'Submit Bibliographic Information'. The browser's address bar shows '9-Oct-2006...-29 p...RESUME(2)'. The form itself is titled 'Submit a CMS Bulletin article:' and contains several input fields:

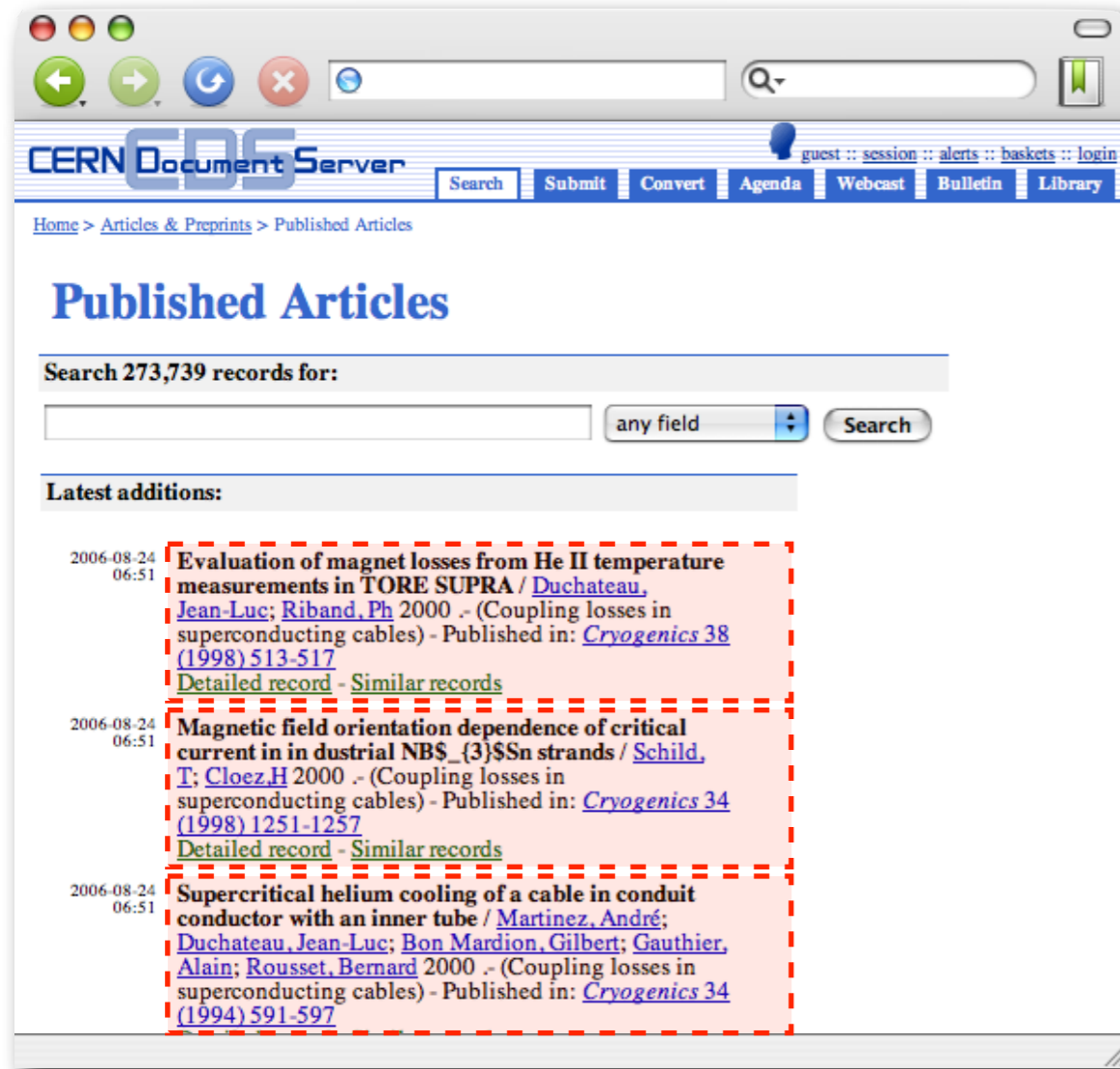
- *Status: (Dropdown menu with 'Online' selected)
- *Position (page) and issue (xxxxxx) of the article: (Two input fields)
- Author(s): (one per line) (Text input field)
- E-mail(s) of the author(s): (one per line) (Text input field)
- Title: (Text input field)
- Article: (Rich text editor with a toolbar and a large text area)

- Formulaires web configurables
- Flux configurables (approbation, envoi d'emails, conversion, stamping, OCR, etc)
- Historiques des révisions de métadonnées & fichiers préservés

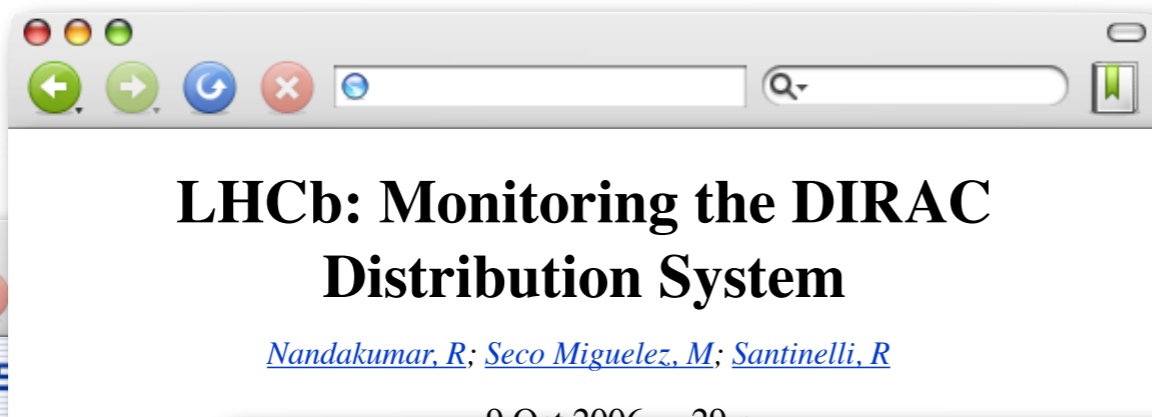
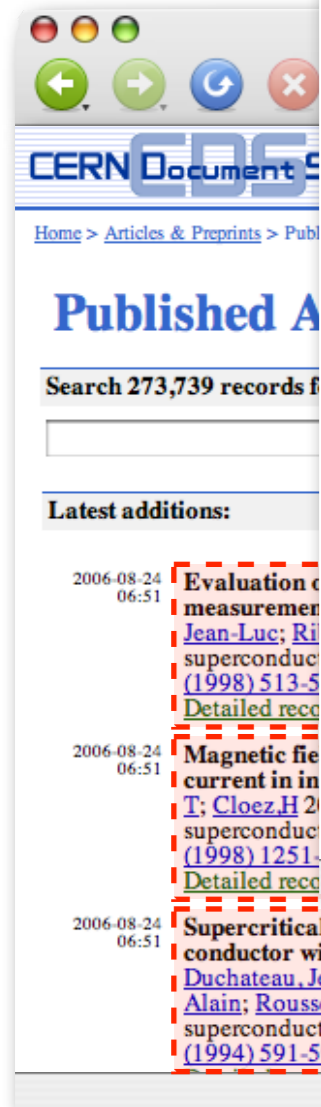
Soumissions



- Formulaires web configurables
- Flux configurables (approbation, envoi d'emails, conversion, stamping, OCR, etc)
- Historiques des révisions de métadonnées & fichiers préservés



- simili-HTML
- XSL



Abstract
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```

- <articles>
- <article>
- <front>
  - <journal-meta>
    <journal-title>Mod. Phys. Lett. A</journal-title>
    <abbrev-journal-title>Mod. Phys. Lett. A</abbrev-journal-title>
    <issn/>
  </journal-meta>
- <article-meta>
- <title-group>
  - <article-title>
    Non-Abelian Flat Directions in a Minimal Superstring Standard Mod
  </article-title>
</title-group>
- <contrib-group>
  - <contrib contrib-type="author">
    - <name>
      <surname>Clever</surname>
      <given-names>G B</given-names>
    </name>
  </contrib>
  - <contrib contrib-type="author">
    - <name>
      <surname>Faraggi</surname>
      <given-names>A E</given-names>
    </name>
  </contrib>
- <contrib contrib-type="author">

```

- simili-HTML
- XSL



En plus de la gestion natives des comptes utilisateurs, supporte l'ajout de méthodes d'authentification externes (par ex. pour interagir avec les base de donnée institutionnelle des ressources humaines):

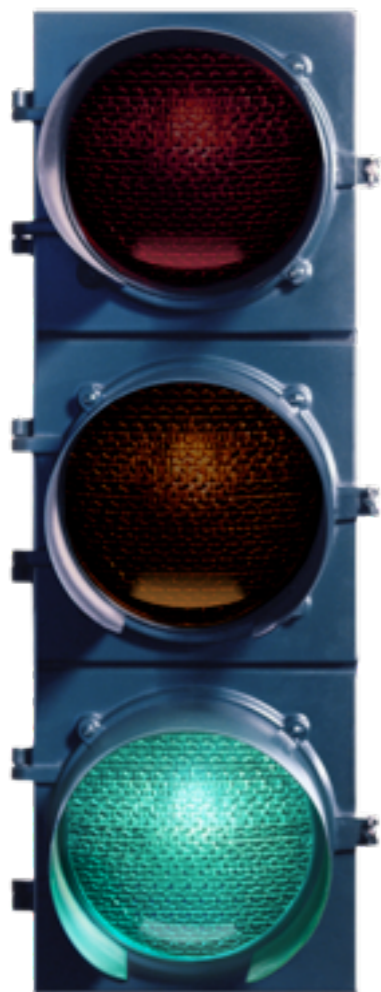
- Vérification user/password
- Importation des appartenances à des groupes ou mailing lists
- Info externes des utilisateurs (e.g. téléphone, affiliation...)

Méthodes d'autentications:

- «Interne»
- Shibboleth
- LDAP
- ... (créer votre plugin!)



- RBAC (Role Based Access Control)
<http://invenio-demo.cern.ch/help/admin/webaccess-admin-guide>
- FireRole (Firewall Like Role Definition)
<http://invenio-demo.cern.ch/help/admin/webaccess-admin-guide#6>



- RBAC (Role Based Access Control)

<http://invenio-demo.cern.ch/help/admin/webaccess-admin-guide>

- FireRole (Firewall Like Role Definition)

<http://invenio-demo.cern.ch/help/admin/webaccess-admin-guide#6>

```
allow email /*cern.ch/,/*slac.stanford.edu/  
deny group badguys  
allow remote_ip "123.0.0.0/24"  
deny all
```

Outils



CERN Document Server: BibEdit

http://cdsweb.cern.ch/record/edit/?ln=en#state=edit&recid=1183466

Home > Admin Area > BibEdit

BibEdit: Record #1183466 [\(view history\)](#)

Record
 1183466 Rec ID

View
 Fields
 Ready

[Help](#)

<input type="checkbox"/> 001		1183466	
<input type="checkbox"/> 003		SzGeCERN	
<input type="checkbox"/> 005		20090611172916.0	
<input type="checkbox"/> 041__		<input type="checkbox"/> \$\$a eng	<input checked="" type="radio"/>
<input type="checkbox"/> 100__	↓	<input type="checkbox"/> \$\$a Valishev, A	<input checked="" type="radio"/>
	↑	<input type="checkbox"/> \$\$u Fermilab	<input checked="" type="radio"/>
<input type="checkbox"/> 245__		<input type="checkbox"/> \$\$a Simulation of Beam-Beam Effects and Tevatron Experience	<input checked="" type="radio"/>
<input type="checkbox"/> 260__		<input type="checkbox"/> \$\$c 2008	<input checked="" type="radio"/>
<input type="checkbox"/> 595__		<input type="checkbox"/> \$\$a SIS EPAC2008	<input checked="" type="radio"/>
<input type="checkbox"/> 65017	↓	<input type="checkbox"/> \$\$2 SzGeCERN	
	↑	<input type="checkbox"/> \$\$a Accelerators and Storage Rings	<input checked="" type="radio"/>
<input type="checkbox"/> 690C_		<input type="checkbox"/> \$\$a ARTICLE	<input checked="" type="radio"/>
<input type="checkbox"/> 710__		<input type="checkbox"/> \$\$g for the Tevatron Group	<input checked="" type="radio"/>
<input type="checkbox"/> 8564_	↓	<input type="checkbox"/> \$\$u http://accelconf.web.cern.ch/AccelConf/e08/papers/thym01.pdf	
	↑	<input type="checkbox"/> \$\$y Published version from JACoW	<input checked="" type="radio"/>
<input type="checkbox"/> 916__	↓	<input type="checkbox"/> \$\$s n	
	↑	<input type="checkbox"/> \$\$w 200924	<input checked="" type="radio"/>
<input type="checkbox"/> 960__		<input type="checkbox"/> \$\$a 13	<input checked="" type="radio"/>
<input type="checkbox"/> 961__	↓	<input type="checkbox"/> \$\$c 20090611	
	↑ ↓	<input type="checkbox"/> \$\$h 1729	
	↑ ↓	<input type="checkbox"/> \$\$l CER01	
	↑	<input type="checkbox"/> \$\$x 20090611	<input checked="" type="radio"/>
<input type="checkbox"/> 962__	↓	<input type="checkbox"/> \$\$b 002705838	
	↑ ↓	<input type="checkbox"/> \$\$k THYM01	
	↑	<input type="checkbox"/> \$\$n genoa20080623	<input checked="" type="radio"/>
<input type="checkbox"/> 963__		<input type="checkbox"/> \$\$a PUBLIC	<input checked="" type="radio"/>
<input type="checkbox"/> 970__		<input type="checkbox"/> \$\$a 002826547CER	<input checked="" type="radio"/>
<input type="checkbox"/> 980__		<input type="checkbox"/> \$\$a ARTICLE	<input checked="" type="radio"/>

"Enrichissement" des records

- BibMerge pour réunir records
- BibCheck pour vérifier et corriger des listes de records
- RefExtract pour extraire les références de fichiers PDFs
- BibClassify pour extraire les mots-clefs

baryon: asymmetry effect: nonperturbative
energy: **density** field theory: scalar fluctuation
fundamental constant: fine structure gravitation inflation
inflaton: **decay** inflaton: oscillation
magnetic moment **mass** potential: scalar
preheating resonance: effect **rotation**
supersymmetry: flat direction temperature: reheating

Indexation des records

- BibRank
- BibIndex

BibRank Admin Interface

Overview of rank methods [?]
Add new rank method

Code	Translations	Collections	Rank method
citation	Modify	Modify	Show Details / Modify / Delete
demo_jlr	Modify	Modify	Show Details / Modify / Delete
wrd	Modify	Modify	Show Details / Modify / Delete



Manage Indexes

Menu: C. Show all 1. Overview of indexes 2. Edit Index 3. Add new Index 4. Guide

1. Overview of indexes

ID	Name	Fwd.Idx Size	Rev.Idx Size	Fwd.Idx Words	Rev.Idx Records	Last updated	Fields	Translations	Stemming language
1	global	3.04 MB	3.20 MB	81,905	7,036	2008-07-04 19:32:52	any field	None	english
2	collcat.nu	1.001 MB	0.347 MB	1,069	22,319	2008-07-04 19:32:52	collcat	None	None
3	abstract	1.184 MB	0.467 MB	1,467	8,878	2008-07-04 19:32:52	abstract	None	english
4	author	0.359 MB	0.035 MB	347	1,539	2008-07-04 19:32:52	author	None	None
5	keyword	0.036 MB	0.137 MB	36	7,036	2008-07-04 19:32:52	keyword	None	None
6	reference	0.312 MB	0.313 MB	312	7,036	2008-07-04 19:32:52	reference	None	english
7	reportn.mocr	0.684 MB	0.861 MB	704	15,879	2008-07-04 19:32:52	reportn.mocr	None	None
8	link	1.349 MB	0.015 MB	1,349	34,409	2008-07-04 19:32:52	link	None	None
9	libcat	0.001 MB	0.005 MB	1	76	2008-07-04 19:32:52	libcat	None	None
10	year	0.036 MB	0.215 MB	36	76	2008-07-04 19:32:52	year	None	None
11	journal	0.036 MB	0.215 MB	36	76	2008-07-04 19:32:52	journal	None	None

2. Edit Index [?]
Index name: Select a Index



Create new collection [?]

Default name

Add collection

Attach collection to tree [?]

Attach collection: - select collection -

to parent collection: - select parent collection -

with relationship: - select relationship -

Add

Modify collection tree: Atlantis Institute of Fictive Science [?] [Printer friendly version](#)

Narrow by collection:

- Atlantis Institute of Fictive Science
 - Articles & Preprints
 - Articles
 - Preprints
 - Books & Reports
 - Books
 - Theses
 - Reports
 - Multimedia & Arts
 - Pictures
 - Poetry

Focus on...:

- Atlantis Institute of Fictive Science
 - CERN Divisions
 - Experimental Physics (EP)
 - Theoretical Physics (TH)
 - CERN Experiments
 - ALEPH
 - ISOLDE

Webcoll Status [?]



```

id      PROC (PID)  USER      RUNTIME      SLEEP  STATUS  PROGRESS
-----
7       bibindex     admin     2008-07-04 19:53:16  5m     WAITING
8       bibreformat  admin     2008-07-04 19:53:55  5m     WAITING
13      oaiharvest   admin     2008-07-04 19:53:59  5m     WAITING
11      oaiarchive   admin     2008-07-04 19:53:59  5m     WAITING
9       webcoll      admin     2008-07-04 20:47:42  1h     WAITING
10      invenio_gc   admin     2008-07-04 19:53:59  5m     WAITING
  
```

```

id: 9
priority: 0
proc: webcoll
user: admin
runtime: 2008-07-04 20:47:42
sleeptime: 1h
status: WAITING
progress:
executable : /opt/cds-dev/bin/webcoll
arguments  : -slh -uadmin

Press a key to continue...
  
```

Automatic Mode [4 Manual] [1/2/3 Display] [F Purge] [M Log] [Q Opt] [O Quit]

Processus de fond:

- Inputting
- Indexation
- Pre-caching
- Monitoring
- Gestion des tâches

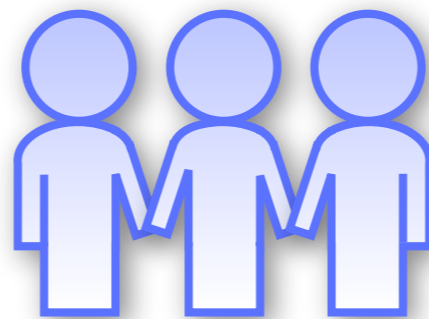
Références...

- CDS Invenio homepage: <http://invenio-software.org/>
- CERN Document Server: <http://cdsweb.cern.ch/>
- CDS Invenio Demo installation: <http://invenio-demo.cern.ch/>
- Administrating CDS Invenio: <http://invenio-demo.cern.ch/help/admin/>
- Hacking CDS Invenio: <http://invenio-demo.cern.ch/help/hacking/>
- CDS Invenio Wiki: <http://twiki.cern.ch/twiki/bin/view/CDS/Invenio>





Outils bibliothécaires et admins



Outils collaboratifs



Multilingue



Focus on:

- [CERN Articles & Preprints](#)
- [CERN Published Articles](#) (47,570)
- [Theses](#) (2,608) [CERN Reports](#) (1,000)
- [CERN Series](#) (2,000)

Recherche + navigation



+



Alertes (emails, RSS)



Commentaires + reviewing



Formats multiples

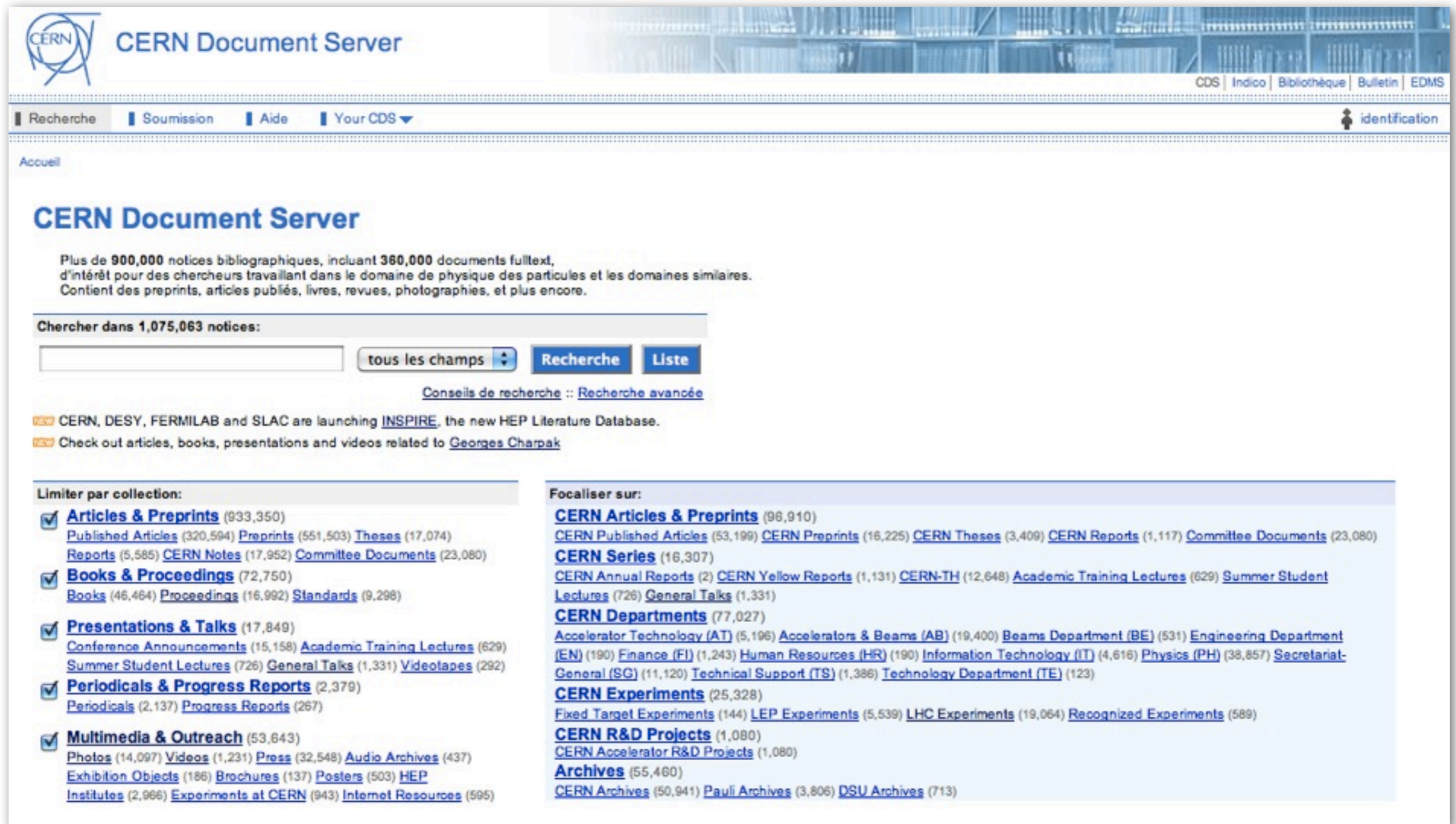
OAI-PMH MARCXML
 OpenURL
 XSLT EndNote
 BibTeX RefWork

Support des standards

"Web journals",
OCR,
et plus~



CERN Document Server



CERN Document Server

CDS | Indico | Bibliothèque | Bulletin | EDMS

Recherche | Soumission | Aide | Your CDS ▼ | identification

Accueil

CERN Document Server

Plus de **900,000** notices bibliographiques, incluant **360,000** documents fulltext, d'intérêt pour des chercheurs travaillant dans le domaine de physique des particules et les domaines similaires. Contient des preprints, articles publiés, livres, revues, photographies, et plus encore.

Chercher dans **1,075,063** notices:

tous les champs Recherche Liste

Conseils de recherche :: Recherche avancée

NEW CERN, DESY, FERMILAB and SLAC are launching [INSPIRE](#), the new HEP Literature Database.

NEW Check out articles, books, presentations and videos related to [Georges Charpak](#)

Limiter par collection:

- Articles & Preprints** (933,350)
 - [Published Articles](#) (320,594) [Preprints](#) (551,503) [Theses](#) (17,074)
 - [Reports](#) (5,585) [CERN Notes](#) (17,952) [Committee Documents](#) (23,080)
- Books & Proceedings** (72,750)
 - [Books](#) (46,464) [Proceedings](#) (16,992) [Standards](#) (9,298)
- Presentations & Talks** (17,849)
 - [Conference Announcements](#) (15,158) [Academic Training Lectures](#) (629)
 - [Summer Student Lectures](#) (726) [General Talks](#) (1,331) [Videotapes](#) (292)
- Periodicals & Progress Reports** (2,379)
 - [Periodicals](#) (2,137) [Progress Reports](#) (267)
- Multimedia & Outreach** (53,643)
 - [Photos](#) (14,097) [Videos](#) (1,231) [Press](#) (32,548) [Audio Archives](#) (437)
 - [Exhibition Objects](#) (186) [Brochures](#) (137) [Posters](#) (503) [HEP Institutes](#) (2,966) [Experiments at CERN](#) (943) [Internet Resources](#) (595)

Focaliser sur:

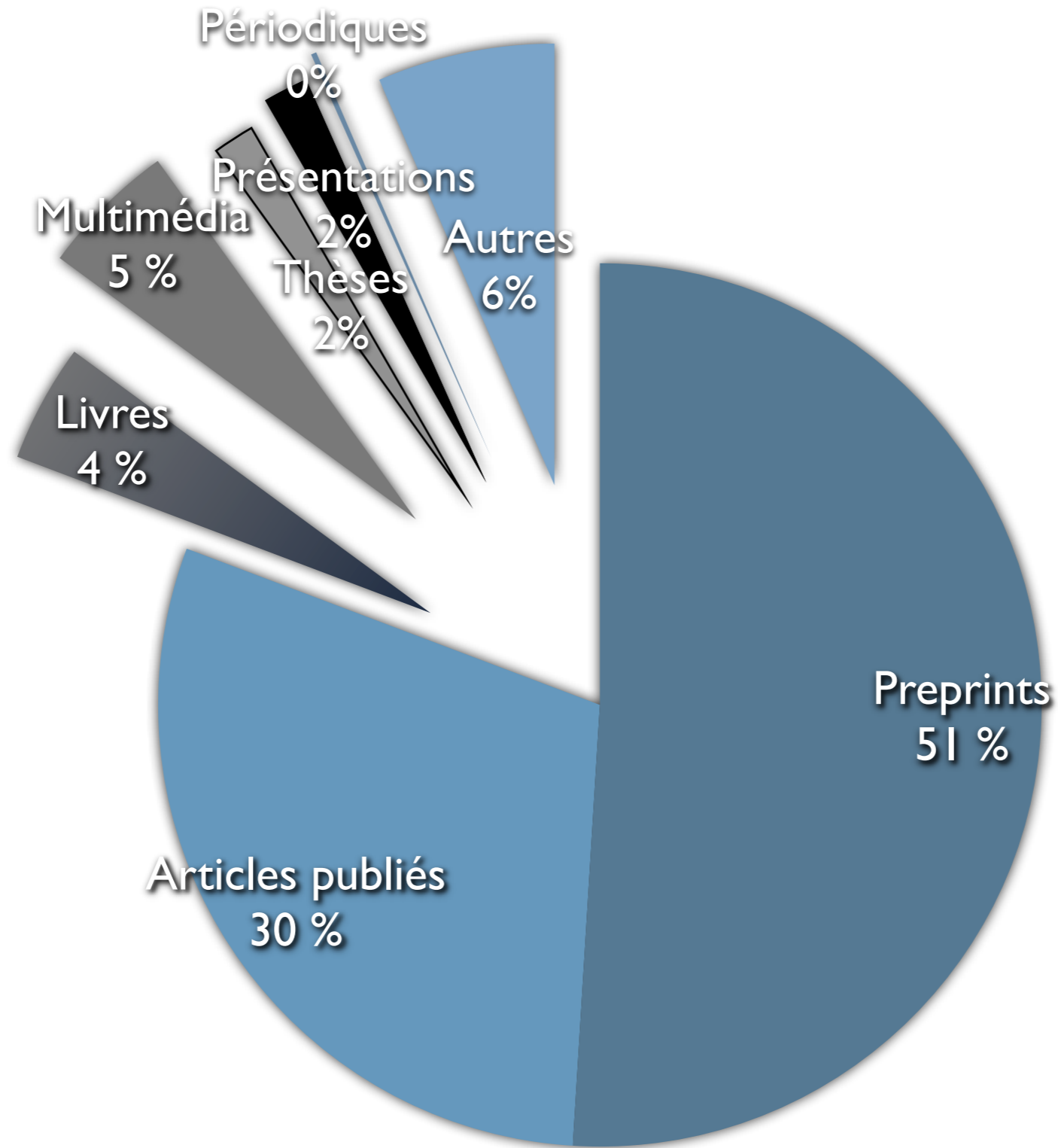
- CERN Articles & Preprints** (96,910)
 - [CERN Published Articles](#) (53,199) [CERN Preprints](#) (16,225) [CERN Theses](#) (3,409) [CERN Reports](#) (1,117) [Committee Documents](#) (23,080)
- CERN Series** (16,307)
 - [CERN Annual Reports](#) (2) [CERN Yellow Reports](#) (1,131) [CERN-TH](#) (12,648) [Academic Training Lectures](#) (629) [Summer Student Lectures](#) (726) [General Talks](#) (1,331)
- CERN Departments** (77,027)
 - [Accelerator Technology \(AT\)](#) (5,196) [Accelerators & Beams \(AB\)](#) (19,400) [Beams Department \(BE\)](#) (531) [Engineering Department \(EN\)](#) (190) [Finance \(FI\)](#) (1,243) [Human Resources \(HR\)](#) (190) [Information Technology \(IT\)](#) (4,616) [Physics \(PH\)](#) (38,857) [Secretariat-General \(SG\)](#) (11,120) [Technical Support \(TS\)](#) (1,386) [Technology Department \(TE\)](#) (123)
- CERN Experiments** (25,328)
 - [Fixed Target Experiments](#) (144) [LEP Experiments](#) (5,539) [LHC Experiments](#) (19,064) [Recognized Experiments](#) (589)
- CERN R&D Projects** (1,080)
 - [CERN Accelerator R&D Projects](#) (1,080)
- Archives** (55,460)
 - [CERN Archives](#) (50,941) [Pauli Archives](#) (3,806) [DSU Archives](#) (713)

<http://cdsweb.cern.ch>

CERN Document Server:

- Archive institutionnelle et thématique HEP
- > 1 million de records
- 751 collections
- 25'000 recherches par jour
- 2'417 alertes emails souscrites par 1'615 utilisateurs
- ~12'000 abonnements à des flux RSS
- 6'245 paniers, dont 481 partagés, créés par 4'575 utilisateurs, couvrant 107'421 records distincts
- 24'985 utilisateurs enregistrés
- ~300 nouveaux documents par jour
- 91 workflows de soumissions web
- 1 serveur "web" + 1 serveur DB

CERN Document Server



The screenshot shows the CERN Document Server interface. At the top left is the CERN logo and the text "CERN Document Server". To the right are navigation links: "CDS", "Indico", "Bibliothèque", "Bulletin", and "EDMS". Below this is a secondary navigation bar with "Recherche", "Soumission", "Aide", and "Your CDS" (with a dropdown arrow). On the far right of this bar is a user icon and the text "identification".

The main content area has a breadcrumb trail: "Accueil > Multimedia & Outreach > Photos > CERN PhotoLab > Notice#1020311: The central part of CMS is lowered". Below the breadcrumb are tabs for "Informations", "Références", "Discussion", and "Fichiers".

The article title is "The central part of CMS is lowered" with the French subtitle "Descente dans la caverne de la partie centrale du détecteur de particules CMS (Compact Muon Solenoid)". The identifier "CERN-EX-0702022" is in the top right corner.

The main image is a large photograph of the CMS detector's central part being lowered into a cavern. To the right of this main image is a gallery of smaller images. The first small image is labeled "2022 03" and has a "High-res" link. The second small image is labeled "CERN-EX-0702022 04" and has "Small Medium Large High-res" links. There are also two more small images below these.

<http://cdsweb.cern.ch>

CERN Document Server


CDS | Indico | Bibliothèque | Bulletin | EDMS

Recherche | Soumission | Aide | Your CDS

identification

Accueil > Multimedia & Outreach > Videos > Video Movies > Notice#1270161: Library Induction Clip


Informations | Références | Discussion | Fichiers



Library Induction Clip

Presentation of Library for new arrivals

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00:00 / 00:00

[Windows Media](#) [Flash](#)

Download Movie

Flash:	Medium (480 kbps)	High (753 kbps)
Windows Media:	Medium (480 kbps)	High (753 kbps)

Download high-res version: [mpg \(201.0 MB\)](#), [mov \(830.0 MB\)](#)
[Need help to download high-resolutions?](#)

A short clip introducing the library - used in the induction process for those new to CERN.

Produced by: CERN Video Productions
5 min 20 s min. / 05 June 2010 / CERN AV
Keywords: [CERN Library](#), [Library](#), [Induction](#), [Induction video](#), [Presentation of library](#)

Language: English
Source Medium: DVCProHD PAL

Reference: CERN-MOVIE-2010-117

Voir également:

- Clip CERN Director General Rolf Heuer looks forward to first physics at the LHC
- LHC first physics : clip resume of the day March the 30th, 2010
- Recruitment Clip Come to work at CERN
- Computer Security at CERN
- Clip (version française) Le directeur général du CERN Rolf Heuer attend avec impatience les collisions à 7 TeV avec le LHC
- Computer security at CERN English subtitled version
- Le CERN programme un premier essai de

<http://cdsweb.cern.ch>







CERN Document Server

The screenshot shows the CERN Document Server homepage. At the top left is the CERN logo and the text "CERN Document Server". To the right are navigation links: "CDS", "Indico", "Bibliothèque", "Bulletin", and "EDMS". Below this is a secondary navigation bar with "Recherche", "Soumission", "Aide", and "Your CDS" (with a dropdown arrow), and an "identification" link on the right. The main content area is titled "Books" and contains a search box with the text "Chercher dans 46,464 notices:". The search box has a dropdown menu set to "tous les champs" and buttons for "Recherche" and "Liste". Below the search box are links for "Conseils de recherche" and "Recherche avancée".


On the right side, there are two boxes: "Focaliser sur:" with links for "CERN Bookshop (1,382)" and "English Book Club (54)", and "Rechercher également dans:" with a checkbox for "KISS Books/Journals".

The "Derniers ajouts:" section lists four books:

- 2010-11-20 06:00**:  **The Oxford style manual / Ritter, R.M (ed.)**
Oxford : Oxford Univ. Press, 2003. - 1033 p.
[This book at Amazon](#)
[Notice détaillée](#) - [Notices similaires](#)
- 2010-11-19 09:13**:  **Microsoft office : SharePoint server 2007 : implémentation en environnement SQL server 2008 et Windows server 2008 / Boris, William**
Paris : Editions ENI, 2009. - 358 p. [CERN library copies](#)
[This book at Amazon](#)
[Notice détaillée](#) - [Notices similaires](#)
- 2010-11-19 09:13**:  **SharePoint 2007 : créez votre site collaboratif étape par étape / Schmitt, Sandrine**
Paris : Editions ENI, 2008. - 274 p. [CERN library copies](#)
[This book at Amazon](#)
[Notice détaillée](#) - [Notices similaires](#)
- 2010-11-19 09:13**:  **Ouverture / Cahin, Gerard (ed.) ; Poirat, Florence (ed.) ; Szurek, Sandra (ed.)**
Paris : Editions A. Pedone, 2007. - 389 p. (La France et le droit international ; I)

<http://cdsweb.cern.ch>

Official Press Brochures 131 notices trouvées 1 - 10 aller vers la notice:


1.  **Reference:** CERN-Brochure-2010-008-Ita
Email: Christiane.Lefevre@cern.ch
Created: 2010. -4 p
Creator: [Lefevre, C](#)

[Access to files](#)

English
ATLAS is the largest detector at the LHC, the most powerful particle accelerator in the world. ATLAS is a multi-purpose detector, designed to throw light on fundamental questions such as the origin of mass and the nature of the Universe's dark matter.

Français
ATLAS est le plus grand détecteur du LHC, l'accélérateur de particules le plus puissant au monde. ATLAS est un détecteur polyvalent conçu pour répondre à de nombreuses questions fondamentales comme celle de la masse ou de la matière sombre.

[Notice détaillée - Notices similaires](#)


2.  **Reference:** CERN-Brochure-2010-006-Dan
Email: Christiane.Lefevre@cern.ch
Created: 2010. -4 p
Creator: [Lefevre, C](#)

[Access to files](#)

English
A presentation of the largest and the most powerful particle accelerator in the world, the Large Hadron Collider (LHC), which started up in 2008. Its role, characteristics, technologies, etc. are explained for the general public.

Français
Une présentation du plus grand et du plus puissant des accélérateurs de particules, le Grand collisionneur de hadrons (LHC), qui a été introduit dans le service en 2008. Son rôle, son fonctionnement, ses technologies, etc. sont expliqués pour le grand public.

[Notice détaillée - Notices similaires](#)


3.  **Reference:** CERN-Brochure-2010-005-Dan
Email: Christiane.Lefevre@cern.ch
Created: 2010. -4 p
Creator: [Lefevre, C](#)

[Access to files](#)

English
A simple presentation of CERN, the European Organization for Nuclear Research, its research and related technological innovations, with a historical time line of major achievements.

Français
Une présentation du CERN, l'Organisation européenne pour la recherche nucléaire, de ses outils et recherches, des innovations technologiques qui en découlent, avec des repères historiques.

[Notice détaillée - Notices similaires](#)

4.  **Reference:** CERN-Brochure-2010-008-Dan
Email: Christiane.Lefevre@cern.ch
Created: 2010. -4 p
Creator: [Lefevre, C](#)

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recherche english français

Issue No. 46-47/2010 - Lundi 15 novembre 2010

News Articles | Official News | Training and Development | General Information | Staff Association

La version PDF en couleur est maintenant disponible au téléchargement >>

« A bientôt les protons » - rétrospective sur l'exploitation des premiers protons du LHC.



Il y a une semaine, le LHC passait de l'exploitation des protons à celle des ions lourds. Le Bulletin en profite pour revenir sur les progrès accomplis par les expériences lors de cette première année de collisions de protons au LHC. Dans une série d'entretiens, les porte-paroles de chaque expérience font le point sur cette exploitation réussie. >>

Une grande étape pour la sécurité



Le mot du DG

Ces derniers jours ont été jalonnés de grands moments pour la physique du LHC, tandis que nous passions de l'exploitation avec protons à l'exploitation avec ions plomb. Chaque nouvelle étape a été largement commentée et je vous ai tenus informés par des courriels. Un événement moins visible et néanmoins vital pour le bon fonctionnement du Laboratoire est l'accord que nous signerons avec nos États hôtes le 15 novembre prochain. Cet accord tripartite, le deuxième que nous signons en deux mois, nous permettra de rationaliser la protection contre les rayonnements et la sûreté radiologique au CERN. >>

Dernières nouvelles du LHC : passage aux ions lourds réussi



L'écran LHC1 montre pour la première fois l'exploitation de la machine avec des ions. >>

Quoi de neuf

News Articles

- La version PDF en couleur est maintenant disponible au téléchargement

General Information

- Le pool électronique déménage au bâtiment 13
- ACCU Meeting
- Communication du magasin central
- Nouveau système de gestion des comptes informatiques

A l'affiche

08:00 Other Seminars
No Title

>> Séminaires de la semaine

Sous le ciel du CERN

Current Conditions:
Cloudy, 6 C

Forecast:
Sat - Light Rain. High: 8 Low: 5
Sun - AM Light Rain. High: 10 Low: 4

Full Forecast at Yahoo! Weather
(provided by The Weather Channel)

Plus...

CERN Courier
Bulletin Association du personnel
Bureau de presse

<http://cdsweb.cern.ch/journal/CERNBulletin>

Lundi

- III Introduction à Invenio
- IV(p) Introduction aux outils en ligne de commande
- ... *Préparation à l'installation d'Invenio*

Mardi

- III + IV (p) Installation d'Invenio
- ... *Configuration d'Invenio*

Mercredi

- I Invenio pour l'utilisateur
- II(p) Invenio pour l'administrateur et pour le bibliothécaire - part 1

Jeudi

- II Langages "web"
- IV(p) Invenio pour l'administrateur et pour le bibliothécaire - part 2



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