

# Dokumentazioaren kudeaketarako software librea

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# Motibazioa

- Ez gara oso adituak, baina jakin-mina badugu
  - 2009n: *Liburutegi digitaletarako teknologiak*  
<http://www.unibertsitatea.net/otarrea/bilaketa?SearchableText=Liburutegi+digitaletarako+teknologiak>
- Gure ingururako irtenbideak:
  - UEU: *inguma.eus*, OJS (*Open Journal System*), Moodle, WordPress...
  - EHU: ADDI(DSpace)...
- Proiektuak ikerkuntza aplikatuan (*Digital humanities*):
  - *Paths* (Europeana)
  - QR-museoak
  - Testu historikoen normalizazioa
- Web semantikoa *versus* web-aren semantika



# Motibazioa. Adibidea

- Aldizkari zientifikoak UEUn
  - *Uztaro* (uztaro.eus):
    - 1990etik, 100 zenbaki: soluzio propioa
    - Ondo dabil, baina mantentze-lana du
  - *Kondaira* (kondaira.eus):
    - Soluzio propioa -> arazoak -> itxita
    - Berriro sortu da soft. libreaz: *OJS*
  - *Aldiri* (aldiri.eus)
    - Blog (*Wordpress*)+papera
    - 2. urratsa: gunea wordpress berezi bateann
    - *OJS* ez da egokia
- Inguma datu-basea (inguma.eus)
  - Soluzio propioa momentuz
    - Elkarreragingarritasuna (*OAI*)

Uztaro 97 (2016)

**Haurren medikalizazioaren arazoa hezkuntza-porrotaren testuinguruan: eredu biomedikoaren berrirakuspen kritikoa**  
 Egilea(k): Jexux Larranaga Arriola  
 Jakintza-erria: Antropologia  
 Orrialdeak: 5-15

**Irbertsio sozialaren argi-ilunak: egokia ote Arriku Sozial Berrii erantzuteko?**  
 Egilea(k): Amaia Inza Bartolomé, Mª Mar Lledo Sainz de Rozas  
 Jakintza-erria: Soziologia  
 Orrialdeak: 79-90

**Ekarri armak. ETAre jardun armatuaren bukaeraren kronika (Liburu-aipamena)**  
 Egilea(k): Trema Ramirez de la Pineda Martínez  
 Jakintza-erria: Soziologia  
 Orrialdeak: 99-101

**Kirol ez-profesionalen babesteko arrazoiak: lau eskualdaren kasua**  
 Egilea(k): Kepa Ibarburgogotia Utrera, Unai Arzubaga Ouetza  
 Jakintza-erria: Ekonomia  
 Orrialdeak: 17-28

**Iera Arrieta Cortajarenen tesiaren laburpena**  
 Egilea(k): Iera Arrieta Cortajarena  
 Jakintza-erria: Hezkuntza  
 Orrialdeak: 93

**Testaren Zuzenbuzua: Ahalmen espazialaren azterketa bat haur hezkuntzari unibertsitatean**  
 Deskargatu

**Independentsia helburu (Liburu-aipamena)**  
 Egilea(k): Iker Insausti Arretxe  
 Jakintza-erria: Soziologia  
 Orrialdeak: 103-107

**Liburu aipatuaren izenburua: Independentsia helburu I. buruzaren antzezlea: Andreu Oiarzabal Unai Arretxe**

**Argitaratutako azken zenbakiak**

Uztaro 97   Uztaro 96   Uztaro 95   Uztaro 94

**Argitaratutako azken zenbakiak**

**Elebarkatasunetik heteroglosiara: Gaztea Irratia, berrakulizazioa gazte-komunikabideen diseinu sozioestetikoan**  
 Egilea(k): Agurtzane Eioroki Uzkiza  
 Jakintza-erria: Hizkuntzaritza  
 Orrialdeak: 31-52

**Transmedia eta mobilizazio Askegurearen komunikazioa**  
 Egilea(k): Libre Mimerza Castill Amillategi, Edoña Ariana Arrieta  
 Jakintza-erria: Komunikazioa eta Orrialdeak: 55-77

**Ana Gandara Sorarrainen tesiaren laburpena**  
 Egilea(k): Ana Gandara Sorarrain  
 Jakintza-erria: Hizkuntzaritza  
 Orrialdeak: 95-96

**Testaren Zuzenbuzua: Euskal ondako kulturaren moldatzea (1960-1990), egungo kultur sistemaren oinarri. Ballabide eta forma simbolikoak**  
 Deskargatu

**Aitor Iglesias Chavesen t**  
 Egilea(k): Aitor Iglesias Chaves  
 Jakintza-erria: Ignorako hitz diziplina  
 Orrialdeak: 97-98

**Testaren Zuzenbuzua: Ignorako hitz diziplina**  
 Deskargatu

**ALDIRI**  
 ARKITEKTURA ETA ABAR

HASIERA / BIDLARI ZURE ARTIKULUA / PAPERKIDAK / IDAZLENTZAKO OHARRAK / HARPIDETU

**EGIN ZAITEZ ARKITEKTO, EA ZEUK HOBETO EGITEN DITUZUN!**  
 2016-08-02 / UNAI PEZ DE BETEDU / LEAVE A COMMENT

**BILATU**

Bilatuta...

**AZKEN BIDLAKETAK**

Egin zaitez arkitekto, ea zeuk hobeto egiten dituzun! #BIZITZADAHANDIENA  
 25. zenbakia: "Donostia, kulturaren herria"  
 Lañu3  
 Call for Papers, Aldiri 28: "Saberba"

**IRUZKIN BERRIAK**

Unai Pez, de Benito(e)k #BIZITZADAHANDIENA bidalia  
 Inma(e)k #BIZITZADAHANDIENA bidalia  
 25. zenbakia: "Donostia, kulturaren herria" - Aldiri(e)k idazleentzako oharak bidaltzen  
 25. zenbakia: "Donostia, kulturaren herria" - Aldiri(e)k Harpidetu bidaltzen  
 Luca(e) eta Mikel(e)k 24. zenbakia: "Pasaia bidaria" bidaltzen

**ARTXIBOAK**

Aukeratu hizabetea

**ETIKETAK**

**#BIZITZADAHANDIENA**  
 2016-08-02 / UNAI PEZ DE BETEDU / 2 BILATU

**Bilaketaren emaitzak**

Bilaketa aurreratu

Beste bilaketa bat egin   [Bilaketa aurreratu](#)

**Dokumentuak (14)**

(AR) Unibertsitateetako bibliotekak: informazio zientifiko eta akademikorako sarbide irekiaren aldeko konpromisoa  
 Paula Quintano Martinez  
 2012 Unibertsitatea, Bibliotekak, Artxiboak, Internet [UPV/EHU arg](#)

**Bibliografatik bibliotekara: esperantzari leihoa**  
 Joan Mari Torrealdeai Nabea  
 2009 Bibliografia, Bibliotekak, Euskal Herria, Historia [EUSKERA](#) [Ikusi](#)

**Onomasiologia eta terminologia: www.iev.deusto.es biblioteka juridiko elebidunaren hustuketarako irizpideak**  
 Andres Urrutia Badiola, Esther Urrutia Idoia  
 2007 Bibliotekak, Euskal Herria, Zuzenbidea [BOLETIN DE LA ACADEMIA VASCA DE DERECHO](#) [Ikusi](#)

**Biblioteka Nazionalea Euskal Herriarentzat**  
 Agurtzane Juanena  
 2004 Bibliotekak, Euskal Herria [JAKIN](#) [Ikusi](#)

**ueu kondaira**  
 udako euskal unibertsitatea ISSN: 1698-9287

HASIERA GURI BURUZ HASI SAIOA ERREGISTRATU BILATU UNEKOA ARTXIBOAK OPEN JOURNAL SYSTEMS

HISTORIA MATERIALA OHAR LEGALA BLOGA

Hasiera > Artxiboak > 2015

**2015**

**Kondaira 15**

**Aurkibidea**

**Artikuluak**

[Transmisio sexualeko gaitzak Gerra Zibilean](#) PDF  
 Ainhoa Semper

[Gizuzkoako jeltzidak, 1904-1923](#) PDF  
 Mikel Aizpuru

[Gerra Zibilaren bertsoak](#) PDF  
 Joseba Beltza

ISSN: 1698-9287

**ALDIZKARIAREN LAUNTZA**

**ERABILTZAILA**

Erabiltzaile-izena   
 Pasa hitza

Gogora nazazu [Hasi saioa](#)

**JAKINARAZPENAK**

- [Ikusi](#)
- [Hamidetu](#)

**ALDIZKARIAREN EDUKIA**

**Bilatuta**

**Bilaketaren emaitza**

Denak

**Arakatu**

- [Zenbakiz](#)
- [Egilez](#)
- [Tituluz](#)
- [Beste aldirikari batzuk](#)



# Aurkezpena

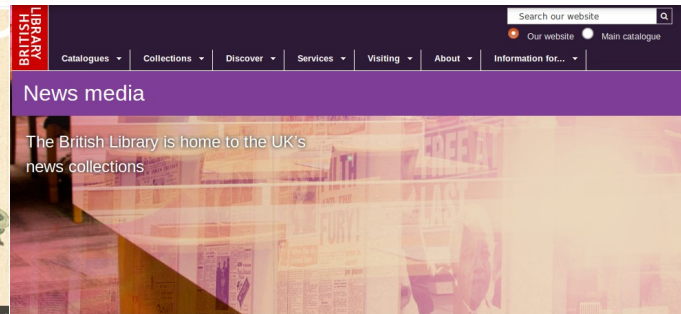
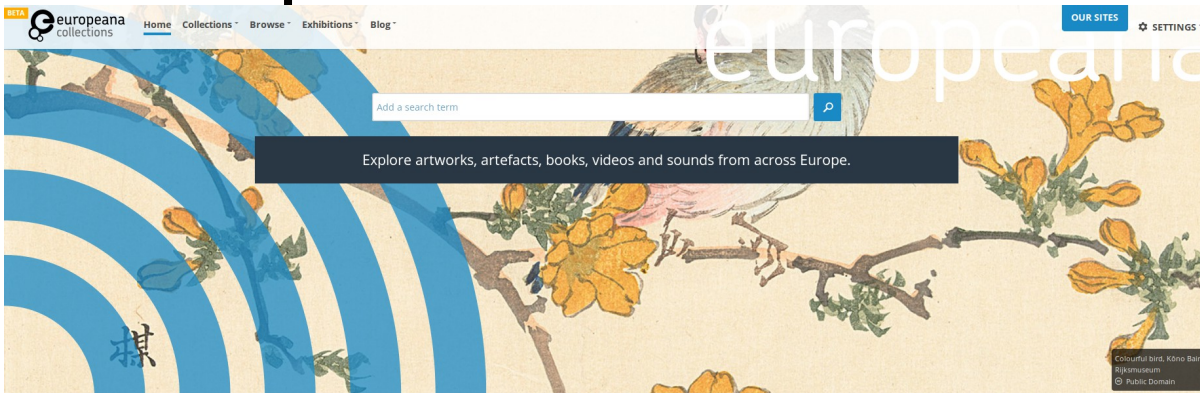
- **Sarrera**
- Metadatuak eta estandarrak
  - XML eta inguruko teknologiak
  - Dokumentazioarekin lotutako estandarrak
    - DublinCore, URI...
  - Web semantikoa: RDF, RSS...
- Software librea
  - OCR
  - Liburutegiak: Dspace, Koha...
  - Eduki-kudeatzaileak: OJS, WordPress, Moodle
- Azterketa-kasua



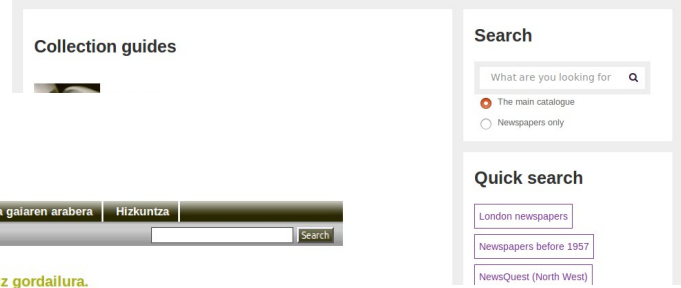
# Bibliografia

- Wikipedia. *Digital Library*. [http://en.wikipedia.org/wiki/Digital\\_library](http://en.wikipedia.org/wiki/Digital_library)
- Iñaki Alegria. *Liburutegi digitaletarako teknologiak*. 2009  
<http://www.unibertsitatea.net/otarrea/bilaketa?SearchableText=Liburutegi+digitaletarako+teknologiak>
- Xabier Arregi. *Liburutegi digitalak: formatuak eta estandarrak*  
<http://www.unibertsitatea.net/otarrea/giza-zientziak/bibliotekonomia-eta-dokumentazioa/liburutegi-digitalak-formatuak-eta-estandarrak>
- Terminoen zerrenda:
  - [http://wiki.lib.sun.ac.za/index.php/List\\_of\\_Repository\\_Software](http://wiki.lib.sun.ac.za/index.php/List_of_Repository_Software)
- Aldizkariak:
  - <http://journal.code4lib.org/issues>  
<http://journal.code4lib.org/articles/8327>
  - <http://www.dlib.org/>
- Blog:
  - <https://modlibrarian.wordpress.com>

# Sarrera: liburutegi digitalak



You'll find British and overseas newspapers dating back to the 1600s and we have growing collections of radio, television and web news



English, Euskera, Español. Sartu FAQs Laguntza Hasierako orria

**Bilatu ADDI-an**

**Bilaketa aurreratua**  
 Hasierako orria

**Zerrendatu**  
 Komunitateak & Bilidumak  
 Argitalpen data  
 Egilea  
 Titulua  
 Gala  
 Hizkuntza

**Zerbitzuak**  
 Ver top items  
 Alertak  
 Nire DSpace erabiltzaile baimendua  
 Editatu profila  
 Laguntza

**ADDI: Repositorio Institucional de la Universidad del País Vasco >**

**DOKTOREGO TESIAK : [645]**  
 Komunitatearen hasierako orria  
[Ver estadísticas de comunidad](#)

Non: DOKTOREGO TESIAK

Bilatu

edo Zerrenda ??(ren arabera)

**Komunitate honetako bildumak**

- DT-Artea eta Giza Zientziak [107]
- DT-Bizitzaren Zientziak [102]
- DT-Gizarte eta Zuzenbide Zientziak [195]
- DT-Ingeniaritza eta Arkitektura [132]
- DT-Zientziak [109]

**RSS baliabideak**

Hasiera Honi buruz Kontsulta urtearen arabera Kontsulta gaiaren arabera Hizkuntza

**Ongietorri Hedatuz gordailura.**  
 Atom  RSS 1.0  RSS 2.0

**Azken sarrerak**  
 Ikusi joan den astean gordailuan sartutako dokumentuak.

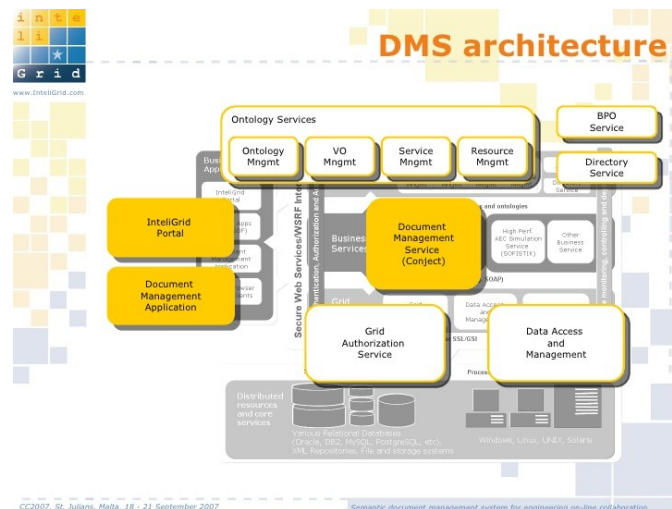
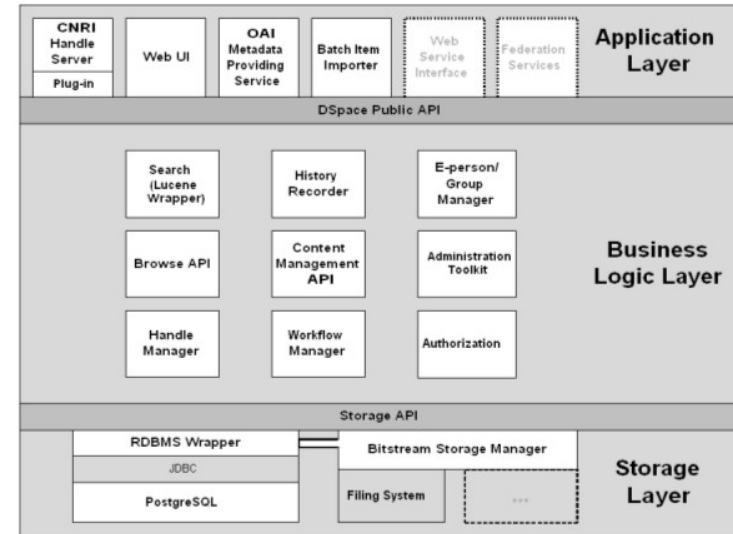
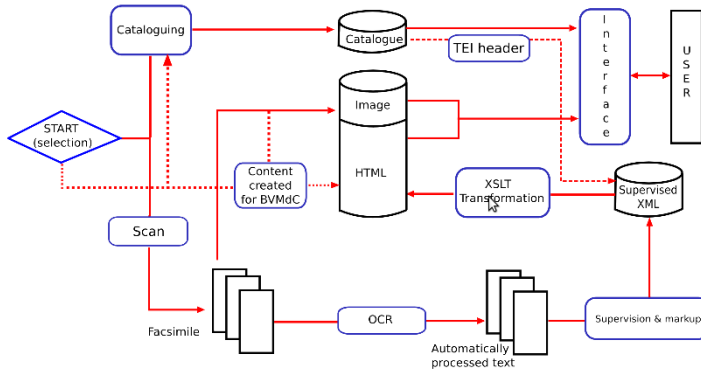
**Gordailuan bilatu**  
 Bilatu gordailuan baina sail ezberdinetan hartuta. Jarri bilaketarako saila orrialdearen goialdean beraz azkargarri burutu dadin.

**Gordailua aztertu**  
 Gordailuko dokumentuetan bilatu **gaiaren arabera**.

**Gordailu honen inguruan**  
 Gune honen inguruko informazio gehiago.

Hedatuz gordailuak OAI 2.0 delakoa jasaten du, oinarrian <http://hedatuz.euskonmedia.org/cgi/oa2 URLa> duelarik.

# DLen arkitektura







# Sarrera: liburutegi digitalak

## ○ Arazoak

- Egile-eskubideak
- Kostua (batez ere digitalizatu behar denean)
  - Softwarearen kostua, bertsioak...
- Elkarreragingarritasuna: estandarrak
  - metadatuak, bilatzaileak... (web semantikoa)
- Mantentze/babeste digitala
  - URLak -> URI ...
  - Desagerpena
- Mantentzea: datuen eta programen
  - formatuak
  - bertsioak

## ○ Software librea (+estandarrak):

- arlo guztietan laguntzen du, baina ez (hainbeste) hasierako kostuan



# Software librea zertarako?

- Bildumaren argitalpena
  - Katalogoa (metadatuak)
  - Eduki propioak
    - Multimedia -> streaming
- Babeste/preserbazioa digitala (OCR, formatuak...)
- Bertako (komunitateko) ekoizpena:
  - Blogak eta argitalpenak
- Laguntza-funtzioak:
  - Bilaketa (*discovery*)
  - Identifikazioa (baimenak)
  - Lanpostuen erreserba, maileguen kudeaketa...
  - Parte hartzea, komunitatea, 2.0
  - Web analisia

# Barriers to Initiation of Open Source Software Projects in Libraries

<http://journal.code4lib.org/articles/10665>

Purpose of System	Respondents using a system for this purpose	Respondents using an OSS solution	Percent respondents using an OSS solution
Institutional repository	69	52	75.4%
Blogging	65	51	78.5%
Digital preservation	57	50	87.7%
Publishing	57	42	73.7%
Authentication/identity management	67	35	52.2%
Digital asset management	64	34	53.1%
Web analytics	71	22	31.0%
Discovery layer	73	19	26.0%
Study room scheduler	59	18	30.5%
ELMS	23	17	73.9%
Streaming media	62	17	27.4%
Data warehouse	26	14	53.8%
Visualization	27	10	37.0%
Electronic resource management	71	9	12.7%
Link resolver	70	9	12.9%
Floor maps	43	8	18.6%
Data analysis	32	7	21.9%
ILS	74	6	8.1%
Course reserve	68	4	5.9%
Inter-library loan	73	3	4.1%



# *Managing Digital Collections Survey Results*

<http://www.dlib.org/dlib/march15/bishoff/03bishoff.html>

<b>What is preventing your library from implementing a digital preservation program? (select all that apply)</b>	<b>Response Percent</b>	<b>Response Count</b>
Lack of funding	73%	38
Other priorities	56%	29
Lack of technical expertise	23%	12
Other	23%	12
Lack of administrative support	21%	11
We don't know where to start	8%	4
Don't know	2%	1
Total	100%	52 (93 skipped)



# Sarrera: joerak

- Atzipen multimodala eta multidispositiboa (telefonoa)
  - Diseinu moldagarria (*responsive*)
- Pertsonalizazioa/aurkezpen anitz
- Beste baliabideekin integratzea/aberastea (hiztegiak, entziklopediak, iritziak...)
- Hezkuntzarako egokitzapena
- 2.0 ikuspuntua
  - Etiketatzea eta ranking-a lankidetzan
    - autoritatea eta prestigioa
  - Parte-hartzea bultzatzea
  - Gomendio-sistema soziala
- Itzulpen automatikoarekin konbinatzea???



# Sarrera: teknologiak

- OCR
- Metadatuaren kudeaketa:
  - *DublinCore, MARC21, TEI, RDF...*
- Aplikazioak:
  - Datu-baseak
  - CMS (Eduki-kudeatzaileak)
- Bilatzaileak
  - Metadatuak eta edukiak konbinatzea
  - Lokala / federatua
- Nabigazioa
  - Erabilerraztasuna, usagarritasuna
- Alde soziala edo 2.0 ikuspuntua

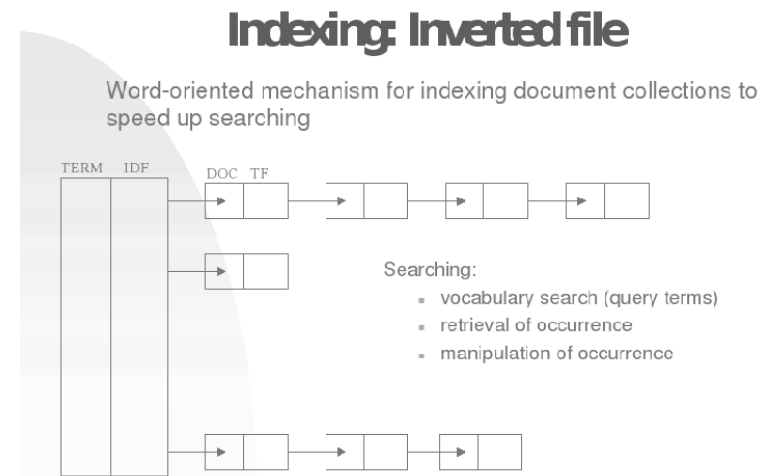


# Sarrera: bilaketak

- Bilaketa konplexuak gero eta gutxiago erabiltzen dira
- Askotan jendeak ez daki nondik hasi: bisita gidatuak/bideoak
- URLak ez dira gogoratzen/gordetzen:
  - bilatzaileetan ondo kokatu (SEO)
- Informazio gehigarriaren beharra: fitxa dokumental handia
- Testua dosi neurtuetan (eta *pdf* aukera, osorako)
- Orri arinak
- Jakina: Informazioa eta aurkezpena banatu behar

# Sarrera: bilatzaileak

- Bi bilaketa-teknikak konbinatuta
  - Datu-baseak (metadatueta)
    - SQL galderak
  - Bilatzaileak (edukian)
    - *Bektore-espazioa* ereduak:  
alderantzizko indizeak
    - *PageRank* ez
      - autoritateak?
      - irakurleak?
    - adib. **Lucene-Solr**
  - Nola konbinatu?







# Aurkezpena

- Sarrera:
  - Dokumentazioaren kudeaketa
    - Liburutegi digitalak (2009tik abiatuta)
- **Metadatuak eta estandarrak**
  - **XML eta inguruko teknologiak**
  - **Dokumentazioarekin lotutako estandarrak**
    - **DublinCore, MARC, URI...**
  - **Web semantikoa: RDF, RSS...**
- Software librea
  - OCR
  - Liburutegiak: Dspace, Koha...
  - Eduki-kudeatzaileak: OJS, WordPress, Moodle
- Azterketa-kasua



# Metadatuak eta estandarrak

- Software-Librea <-> **Estandarrak**
- XML: etiketatzeko lengoaia
  - Inguruko teknologiak: XSLT, Xpath, Xquery...
- LDetarako metadatuak
  - DublinCore
  - Marc21
  - XML-TEI
- Web semantikoa: RDF, RSS, SWORD, OAI-ORE
- Elkarreragingarritasuna (interoperabilitatea): OAI-MPH
- Erlazionatutako identifikadoreak:
  - URI, DOI, ORCID...

# Metadatuak eta estandarrak

- DublinCore:
  - Baliabideen deskribapen sinplea
  - Beste estandarren integrazioa
  - Mailak: sinplea eta kualifikatua
  - RDFn integratua
- Marc21
  - MARC (MACHINE-Readable Cataloging) estandarrak
  - Liburutegietarako: MARC -> MARC21/MARCXML
  - Konplexuagoa DublinCore baino ([https://en.wikipedia.org/wiki/Schema\\_crosswalk](https://en.wikipedia.org/wiki/Schema_crosswalk))
- XML-TEI
  - Ahaltuago eta ez hain bideratua
  - Dokumentu barruko elementuak: kapituluak, paragrafoak, akatsak...
  - Oso erabilia corpusgintzan eta lexikografian

Example of code [ edit ]

```
<meta name="DC.Format" content="video/mpeg; 10 minutes">
<meta name="DC.Language" content="en" >
<meta name="DC.Publisher" content="publisher-name" >
<meta name="DC.Title" content="HYP" >
```

# Web semantikoaren formatuak

- RSS, *Really Simple Syndication*
  - Sindikaziorako formatua, edukiak partekatzeko (RDF)
  - ATOM (RSSrekiko formatu alternatiboa)
    - [https://en.wikipedia.org/wiki/Atom\\_%28standard%29#Atom\\_compared\\_to\\_RSS\\_2.0](https://en.wikipedia.org/wiki/Atom_%28standard%29#Atom_compared_to_RSS_2.0)
  - Eguneraketez informatzeko erabilia batez ere
- OAI-ORE: *Open Archives Initiative Object Reuse and Exchange*
  - LDetara zuzendutako RDFa: berrerabilpena/preserbazioa/bisualizazioa
  - ATOM eta Dublin Core barneratzen ditu
- OAI-PMH: *OAI-Protocol for Metadata Harvesting*
  - elkarreragingarritasuna
  - Aurreko formatuak + HTTP
- SWORD
  - ATOMeko espezializazioa liburutegi digitaletan
  - Bezero eta zerbitzarien arteko elkarrizketa
  - [https://en.wikipedia.org/wiki/SWORD\\_%28protocol%29#SWORD-compliant\\_repositories](https://en.wikipedia.org/wiki/SWORD_%28protocol%29#SWORD-compliant_repositories)



## All Versions

- DSpace 6.x (Unreleased)
- DSpace 5.x (Current Release)
- DSpace 4.x
- DSpace 3.x
- More Versions...

## DSpace Documentation

 Search

### DSpace System Documentation

- Preface
- Introduction
- Functional Overview
- Installation
- › Upgrading a DSpace Installation
- ▼ Configuration
  - Authentication Plugins
  - Batch Metadata Editing Configuration
  - Configurable Workflow
  - Discovery
  - DSpace Service Manager
  - DSpace Statistics
  - Embargo
  - Google Scholar Metadata Mappings
  - OAI
    - SWORDv1 Client
    - SWORDv1 Server
    - SWORDv2 Server

The following table contains links to tools implemented by members of the Open Archives Initiative community. These tools are made available without guarantee as to their correctness. Questions about each tool should be directed to the individual implementer. All tools support the OAI-PMH v2.0, a few include legacy support for v1.0 and 1.1 and this is noted in the description.

Tool	Implementer	Description
<a href="#">Arc source</a>	Old Dominion University	Arc is released under the NCSA Open Source License. Arc is a federated search service based on OAI-PMH. It includes a harvester, a search engine together with a simple search interface, and an OAI-PMH layer over harvested metadata. Arc can be configured for a specific community, and enhancements and customizations by the community are encouraged. Arc is based on Java Servlet technology and requires JDK1.4, Tomcat 4.0x, and a RDBMS server (tested with Oracle and MySQL).
<a href="#">Archimede</a>	<a href="#">Laval University Library</a>	Archimede is an open-source software for institutional repositories. It features full text searching, multiplatform support, Web user interface, and more. Archimede fully supports OAI-PMH requests version 2.0.
<a href="#">DSpace</a>	HP Labs and MIT Libraries	DSpace is an open source digital asset management software platform that enables institutions to capture and describe digital content. It runs on a variety of hardware platforms and supports OAI-PMH version 2.0.
<a href="#">EnhancedOAI Server</a>	National Documentation Center, Greece	The enhanced OAI server is a Java Servlet web application that implements the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) v2.0. It is based on <a href="#">OAI-Cat</a> and the <a href="#">Biblio Transformation Engine</a> . More than the flexibility it allows with BTE (custom filter and modifiers), it allows the administrator to define metadata mappings using XSLTs and that way to support easily more metadata formats.
<a href="#">eprints.org</a>	University of Southampton	Software to run centralised, discipline-based as well as distributed, institution-based archives of scholarly publications. The software is OAI compliant, i.e. metadata can be harvested from repositories running the software using the OAI metadata harvesting protocol.
<a href="#">Fedora</a>	Cornell University	An open and dist OAI-PMH
<a href="#">MARCXML framework</a>	Library of Congress	A suite of MARC2: transform schema
<a href="#">MyCoRe</a>	MyCoRe community	MyCoRe institution adaptable on conte
<a href="#">Net::OAI::Harvester</a>	Ed Summers	Net::OAI found in HTTP).
<a href="#">OAI</a>	University of Southampton	Based on caching
<a href="#">OAI Java Implementation for Linux</a>	University of Illinois, Urbana-Champaign	This is a Java. Th <a href="#">/showfile</a>

### ORE Specifications and User Guides

- [Table of Contents](#)
- [Primer](#)
- [User Guides](#)
  - [Resource Map Implementation in RDF/XML](#)
  - [Resource Map Implementation in RDFa](#)
  - [Resource Map Implementation in JSON-LD \(beta\)](#)
  - [HTTP Implementation](#)
  - [Resource Map Discovery](#)
- [Specifications](#)
  - [Abstract Data Model](#)
  - [Vocabulary](#)
- [Tools and Additional Resources](#)



# OAI-PMH

- LDen sareak eratzeko estandarra
- Metadatuak biltzeko protokoloa: OAI-PMH
  - *Open Archives Initiative Protocol for Metadata Harvesting*
  - Estandar irekia: *XML + HTTP*
  - *DublinCore* derrigorrezkoa da (beste batzuk aukeran)
  - Ohiko bilatzaileek erabilia
  - Tresna askotan integratua
  - RSS jarioen aukera
  - Bi zerbitzari mota
    - Datu-hornitzaileak: metadatuaren eskaintza
    - Zerbitzu-hornitzaileak: balio erantsia
  - OAI-ORE protokolo berria berrerabilpenerako
- Bibliografia
  - Using OAI-ORE to Transform Digital Repositories into Interoperable Storage and Services Applications: <http://journal.code4lib.org/articles/1062>

# Bilatzailleak: OAI-PMH

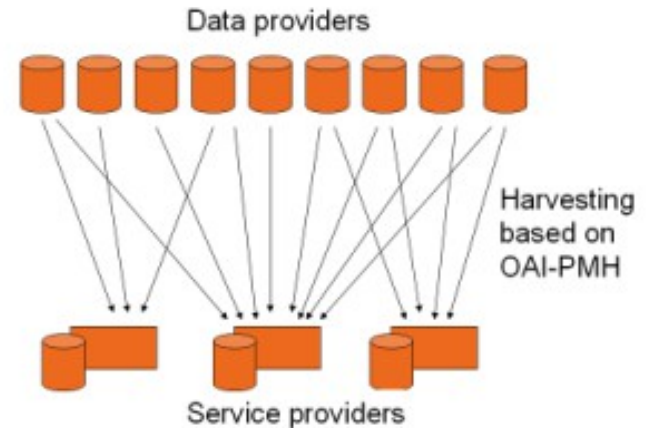


## OAI: General Assumptions

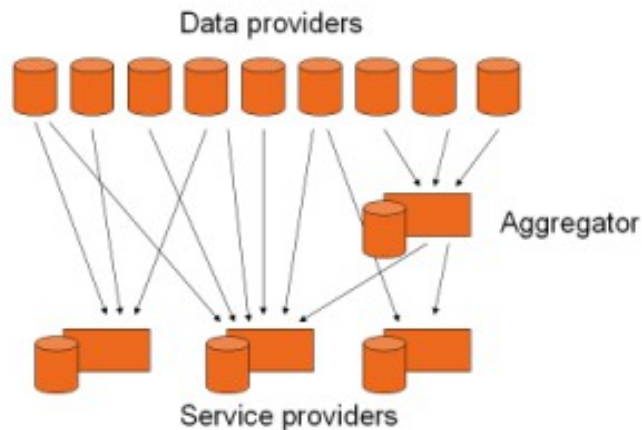
- Two groups of 'participants'
- *Data Providers* (Open Archives, Repositories)
  - give free access to metadata records
  - but - not necessarily give free access to full texts / resources
  - easy to implement, low barriers
- *Service Providers*
  - use OAI compliant metadata from *Data Providers*
  - harvest and store metadata (no live requests!)
  - may select certain subsets from *Data Providers* (set hierarchy, date stamp)
  - may enrich metadata
  - offer (value-added) service on the basis of the metadata



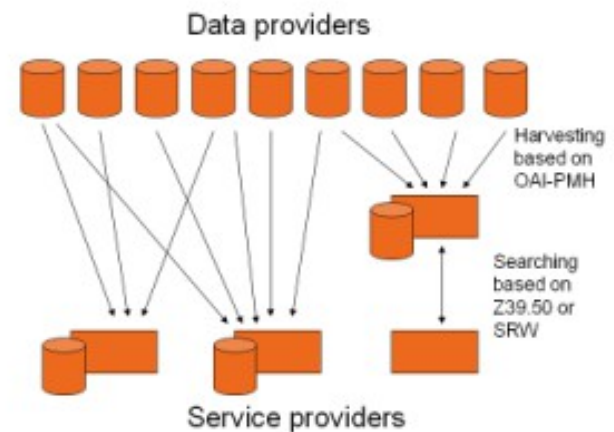
## Multiple data and service providers



## Aggregators



## Can be mixed with x-searching





# Bestelako estandarrak

- Erlazionatutako identifikadoreak:
  - URI: elementu baten identifikadorea sarean (URL gehienetan)
  - RDF/OWL:
    - RDF: Hirukoteetan oinarritutako semantika: subjektua/predikatua/objektua
    - OWL: semantika gehiago (ontologia)
  - DOI: dokumentu digitalen identifikadore iraunkorra
  - ORCID: *Open Researcher and Contributor ID*
- Adibide bat: artikulu zientifikoak estekatzea  
*Linking Publications and Data: Challenges, Trends, and Opportunities*  
<http://www.dlib.org/dlib/may16/mayernik/05mayernik.html>





# Aurkezpena

- Sarrera:
  - Dokumentazioaren kudeaketa
    - Liburutegi digitalak (2009tik abiatuta)
- Metadatuak eta estandarrak
  - XML eta inguruko teknologiak
  - Dokumentazioarekin lotutako estandarrak
    - DublinCore, URI...
  - Web semantikoa: RDF, RSS...
- **Software librea**
  - **OCR**
  - **Liburutegiak: Dspace, Koha...**
  - **Eduki-kudeatzaileak: OJS, WordPress, Moodle**
- Azterketa-kasua



# Software librea

- OCR: Tesseract
- LD:
  - Bildumen kudeaketa: Dspace, Fedora, eprints
  - Liburutegien kudeaketa: Koha-Kobli
  - OpenRepository
- CMS: WordPress, Drupal, Django...
- Aldizkariak: OJS (OCS)
- Irakaskuntza: Moodle



# SLa OCR-rako

- Iruditik testura
- Enpresa espezializatuak
  - Hizkuntza-eredu okerra ez erabili!
- *Tesseract*
  - Hizkuntza bakoitza bere eredua behar du
  - Euskararako hobetu beharra (egokitzapen historikoa)
    - <https://github.com/tesseract-ocr/tessdata>
    - <https://github.com/tesseract-ocr/langdata>
- Google:
  - OCRopus
  - Google OCR (Tesseract-en oinarrituta)
  - <https://opensource.com/life/15/9/open-source-extract-text-images>
- Erabilpen bat:
  - <http://www.mitzuli.com/eu/>



# DL teknologiak

## Programak:

- Neurritira egindako sistemak
  - Oinarrizko datu-base ahaltzuarekin
- Bildumetarako edukien kudeaketa-sistemak  
(*Content Management Systems*)
  - Asko libreak (kode irekia)
  - Ezagunenak:
    - [www.paradigm.ac.uk/workbook/repository/comparing-findings.html](http://www.paradigm.ac.uk/workbook/repository/comparing-findings.html)
    - <http://www.dlib.org/dlib/may09/marill/05marill.html>
      - *DSpace (+Fedora, DuraSpace)*
      - *Eprints* (zerbitzuak ere)
      - *Digital Commons* (itxia) [www.bepress.com/ir/customers.html](http://www.bepress.com/ir/customers.html)



# DL teknologiak (2)

- Irizpideak
  - formatuak (inportazio/esportazioa)
  - estandarrak, kode irekia...
  - elkarreragingarritasuna (OAI-MPH, OAI-ORE)
  - bilaketarako aukera zabalak
  - egonkortasuna, etorkizuna...
  - eskalagarritasuna, eraginkortasuna...
  - kasu arrakastatsuak
  - komunitatean lan egiteko aukera
  - erabilerraztasuna, usagarritasuna, nabigagarritasuna
- Konparaketa bat: <https://www.oaforum.org/resources/tvtoolscomp.php>



# Ebaluazioa

(<http://www.dlib.org/dlib/may09/marill/05marill.html>)

Open Source: DAITSS [2], DSpace [3], EPrints [4], Fedora [5], Greenstone [6], Keystone DLS [7].

Commercial: ArchivalWare [8], CONTENTdm [9], DigiTool [10], VITAL [11].

The WG then developed a set of "Master Evaluation Criteria," to provide a decision method to narrow the ten systems to three systems for detailed consideration. At this point, tool functionality as described in available software documentation was considered one of many factors in this down-selection process.

The Master Evaluation Criteria included:

- **Functionality** - Degree of satisfaction by design analysis of the requirements enumerated in the NLM Functional Requirements Specification [1].
- **Scalability** - Ability for the repository to scale to manage large collections of digital objects.
- **Extensibility** - Ability to integrate external tools with the repository to extend the functionality of the repository, via provided software interfaces (APIs), or by modifying the code-base (open source software).
- **Interoperability** - Ability for the repository to interoperate with other repositories (both within NLM and outside NLM) and with the NLM integrated library system.
- **Ease of deployment** - Simplicity of installation and ease of integration with other needed software.
- **System security** - Ability of the system to meet HHS/NIH/NLM security requirements.
- **System performance** - Overall performance and response time (accomplished via load testing). System availability (24x7 both internally and externally).
- **Physical environment** - Ability to deploy multiple instances for offsite and disaster recovery; ability to function with the NIH off-site backup facility; ability for components to reside at different physical locations; ability for development, testing and production environments.
- **Platform support** - Operating system and database requirements. Staff expertise to deal with required infrastructure.
- **Demonstrated successful deployments** - Relative number of satisfied users or organizations.
- **System support** - Quality of documentation and responsiveness of support staff or developer/user community (open source) to assist with problems.
- **Strength of development community** - Reliability and support track record of the company providing the software; or size, productivity, and cohesion of the open source developer community.
- **Stability of development organization** - Viability of the company providing the software; or stability of the funding sources and organizations developing open source software.
- **Strength of technology roadmap for the future** - Technology roadmap that defines a system evolution path incorporating



# *DSpace* ([www.dspace.org](http://www.dspace.org))

- Bildumak argitaratzeko software librea
- *MIT Libraries* eta *Hewlett-Packard Labs*
- BSD lizentzia
- Java, Java API, Apache, Tomcat
- Estandarrak: DublinC, OAI-ORE, RDF, MARC...
  - OAI-PMH eta Sword
- Datu-eredua: Datu-basea (PostgreSQL)
  - Komunitatea (adib. saila)
  - Bildumak / Azpibildumak: komunitateen artean ere
  - Elementuak: bilduma anitzetan ere
  - Paketeak (*bundles*): dokumentu digital bat edo gehiago
- Fedorarekin batera DuraSpace
  - Fedora bilduma osatzeko softwarea
  - Zerbitzua hodeian
- *Hosting*: <http://dspace-direct.org/>
- Adibide bat: ADDI (EHU) bukaerako lanen entregarako (paperik gabeko)

# DSpace (www.dspace.org)

dspace.org - Repository List - Mozilla Firefox

Fitxategia Editatu Ikusi Historia Laster-markak Tresnak Hiztegiak Laguntza

http://www.dspace.org/index.php/DSpace-Instances/Repo: fedora common

Gehien bisitatuta... The 23rd Pacific Asi... ikerkuntza Prueba de la Máquin... xabier

Aukerak EN EU Euskalterm Elhuyar Morris Open-tran Hiztegi Batua

Optical character rec... [Sagreenstone] Fwd: ... dspace.org - Reposito... Digital.CSIC: Home

Portugal	Instituto Superior de Engenharia do Porto ISEP-GILT	<a href="http://gilt.isep.ipp.pt:8080/melior/">http://gilt.isep.ipp.pt:8080/melior/</a>
Portugal	New University of Lisbon	<a href="http://dspace.fc.unl.pt/">http://dspace.fc.unl.pt/</a>
Portugal	Polytechnic Institute of Leiria	<a href="http://iconline.ipleria.pt/">http://iconline.ipleria.pt/</a>
Portugal	Universidade Aberta - Em Qualquer Lugar do Mundo	<a href="http://repositorioaberto.univ-ab.pt/">http://repositorioaberto.univ-ab.pt/</a>
Portugal	Universidade de Coimbra	<a href="https://estudogeral.sib.uc.pt:8443/dspace/">https://estudogeral.sib.uc.pt:8443/dspace/</a>
Portugal	Universidade de Lisboa	<a href="http://docs.di.fc.ul.pt/">http://docs.di.fc.ul.pt/</a>
Portugal	Universidade do Algarve	<a href="http://sapientia.ualg.pt/">http://sapientia.ualg.pt/</a>
Portugal	Universidade do Porto	<a href="http://repositorio.up.pt/aberto/">http://repositorio.up.pt/aberto/</a>
Portugal	Universidade dos Açores	<a href="http://repositorio.uac.pt/">http://repositorio.uac.pt/</a>
Portugal	Universidade Fernando Pessoa	<a href="https://bdigital.ufp.pt/dspace/">https://bdigital.ufp.pt/dspace/</a>
Portugal	Universidade do Minho	<a href="https://repositorium.sdum.uminho.pt/">https://repositorium.sdum.uminho.pt/</a>
Portugal	Universidade Técnica de Lisboa	<a href="http://www.repository.utl.pt/">http://www.repository.utl.pt/</a>
Portugal	University of Minho	<a href="http://papadocs.dsi.uminho.pt:8080/index.jsp">http://papadocs.dsi.uminho.pt:8080/index.jsp</a>
R - Russia		
Russia	Kras University	<a href="https://elib.krasu.ru/">https://elib.krasu.ru/</a>
Russia	Siberian Federal University (formerly Krasnoyarsk State University)	<a href="http://elib.sfu-kras.ru/">http://elib.sfu-kras.ru/</a>
Russia	Urals State University	<a href="http://elar.usu.ru/">http://elar.usu.ru/</a>
S - Singapore, South Africa, South Korea, Spain, Sweden, Switzerland		
Singapore	Nanyang Technological University Library	<a href="http://dr.ntu.edu.sg/">http://dr.ntu.edu.sg/</a>
Singapore	National University of Singapore	<a href="https://sdenet.sde.nus.edu.sg/dspace/">https://sdenet.sde.nus.edu.sg/dspace/</a>
Singapore	SIM University	<a href="http://sst.unisim.edu.sg:8080/dspace/">http://sst.unisim.edu.sg:8080/dspace/</a>
South Africa	Centre of Excellence for Invasion Biology	<a href="http://ir.sun.ac.za/cib">http://ir.sun.ac.za/cib</a>
South Africa	Council for Scientific and Industrial Research (CSIR)	<a href="http://researchspace.csir.co.za/dspace/">http://researchspace.csir.co.za/dspace/</a>
South Africa	Durban University of Technology	<a href="http://ir.dut.ac.za:8080/dspace/">http://ir.dut.ac.za:8080/dspace/</a>
South Africa	North-West University	<a href="http://dspace.nwu.ac.za/">http://dspace.nwu.ac.za/</a>
South Africa	Stellenbosch University	<a href="http://ir.sun.ac.za/dspace">http://ir.sun.ac.za/dspace</a>
South Africa	University of Cape Town	<a href="http://lawspace.law.uct.ac.za/">http://lawspace.law.uct.ac.za/</a>
South Africa	University of Johannesburg	<a href="http://digispace.uj.ac.za:8080/dspace/">http://digispace.uj.ac.za:8080/dspace/</a>
South Africa	University of Pretoria	<a href="https://www.up.ac.za/dspace/">https://www.up.ac.za/dspace/</a>
South Korea	Korea Advanced Institute of Science and Technology (KAIST)	<a href="http://koasas.kaist.ac.kr/">http://koasas.kaist.ac.kr/</a>
South Korea	Korea Institute for International Economic Policy	<a href="http://dspace.kiep.go.kr:8080/dspace/">http://dspace.kiep.go.kr:8080/dspace/</a>
South Korea	Seoul National University	<a href="http://s-space.snu.ac.kr/">http://s-space.snu.ac.kr/</a>
Spain	Consejo Superior de Investigaciones Científicas (CSIC)	<a href="http://digital.csic.es/">http://digital.csic.es/</a>
Spain	EMD Fundacion Sancho el Sabio Fundazioa	<a href="http://www.memoriadigitalvasca.es/">http://www.memoriadigitalvasca.es/</a>
	Gobierno del Principado de Asturias	

Bilatu: librar Aurrekoa Hurrengoa Nabarmendu Bereizi maiuskula/minuskulak

Digital.CSIC: Home - Mozilla Firefox

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Aukerak EN EU Euskalterm Elhuyar Morris Open-tran Hiztegi Batua

COMMUNITIES & COLLECTIONS

TITLES  
AUTHORS  
SUBJECTS  
BY DATE

STATISTICS

MY DIGITAL.CSIC

E-mail Address:  
email

Password:  
Log In

Forgot your password?

Welcome to **CSIC Institutional repository**

**VIEW DEMO**

Welcome to **Digital.CSIC**, the Institutional Repository of the **Spanish National Research Council (CSIC)**.

**Digital.CSIC** is a repository of digital documents, designed for organising, archiving, preserving and disseminating via open access the intellectual output generated as a product of the CSIC research activities.

**Communities in Digital.CSIC**

- [+] Biology and Biomedicine [1231]
- [+] Food Science and Technology [523]
- [+] Materials Science and Technology [730]
- [+] Physical Sciences and Technologies

**Highlights**

"Digital.CSIC at your website"  
This new Digital.CSIC functionality, released on Mar 9, allows for direct searching through the repository content from external webpages. The module automatically generates different search tools in a single html

**Digital.CSIC en tu WEB**

Esta funcionalidad (API) le permitirá integrar en su WebSite información de Digital.CSIC

**SHERP+ ROMEO Copyright Inf**

Toda la información necesaria sobre derechos de autor para el autoarchivo en Digital.CSIC

DSpace EMD: Hasierako orria - Mozilla Firefox

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Aukerak EN EU Euskalterm Elhuyar Morris Open-tran Hiztegi Batua

Castellano Euskera English

Bilatu hemen:

**Zerrendatu:**

**Komunitateak**

**Tituluak**

**Egileak**

**Gaiak**

**Data**

**Erabiltzailearen**

**ONGI ETORRI EMD-RA EUSKAL MEMORIA DIGITALA MEMORIA DIGITAL VASCA**

Sancho el Sabio Fundazioak produzitzen, eskuratzen eta Gasteizen duen egoitzan gordetzen dituen euskal kulturari buruzko fondo digitalen gordetegia da EMDa; sarbide irekia du.

**Bilatu**

Sartu DSpace-n bilatu behar duzun testua

1 de

01/07/2009 [Recuerdo a Mister Marshall](#)

29/06/2009 [Presentación d libro : "¡Americanos, os recibimos con alegría!"](#)

Bilatu:  Aurrekoa Hurrengoa Nabarmendu Bereizi maiuskula/minuskulak





# Eprints ([www.eprints.org](http://www.eprints.org))

- Softwarea eta *hosting*
  - artikulu zientifiko irekietan espezializatua
- GPL lizentzia
- OAI-PMH eta SWORD da bere oinarria
- LAMP teknologia (*Perl*)
- MySQL datu-basea
- *DublinCore* and METS
  - Ez DublinC kualifikatua, ez MARC (2013)

# Eprints (www.eprints.org)

Sites Powered by EPrints - Mozilla Firefox.org Impress

Fixategia Editatu Ikusi Historia Laster-markak Tresnak Hiztegiak Laguntza

http://www.eprints.org/software/archives/

## Sites Powered by EPrints

HOME SOFTWARE SERVICES OPEN ACCESS

The following is certainly not a complete list. The data is taken from [archives.eprints.org](http://archives.eprints.org). You can add or correct your information there.

269 archives listed.

Archive Name	Current Size (if known)
<a href="http://eprints.aktors.org/">Advanced Knowledge Technologies (AKT) EPrints Archive</a>	341
<a href="http://eprints.agentlink.org/">AgentLink.org   EPrints   AgentLink Publications Clearinghouse</a>	1410
<a href="http://phyo043.tours.inra.fr:8080/">AnimalPhysiology-LivestockSystems</a>	340
<a href="http://eprints.lincoln.ac.uk/">Applied Computing Sciences ePrints Service</a>	88
<a href="http://aquacomm.fcla.edu/">Aquatic Commons</a>	1299
<a href="http://eprints-scd-ulp.u-strasbg.fr:8080/">Archive libre de l'Université Louis Pasteur</a>	708
<a href="http://aei.pitt.edu/">Archive of European Integration</a>	7113
<a href="http://eprints.univ-lyon2.fr/">Archive Université Lyon 2</a>	280
<a href="http://archiomarini.sp.unipi.it/">Archivio Marini</a>	82
<a href="http://ad.upm.es/">Archivo Digital de la UPM.</a>	910
<a href="http://arena.portcom.intercom.org.br/">Arena Cientifica</a>	0
<a href="http://mangueira.ibict.br/">Arquivos Abertos da Sociedade Brasileira de Genética - IBICT</a>	0
<a href="http://eprints.assc.caltech.edu/">ASSC publications</a>	226
<a href="http://e-prints.alia.org.au/">Australian Library and Information Association e-prints</a>	95
<a href="http://eprints.anu.edu.au/">Australian National University EPrints2 Archive</a>	2791
<a href="http://www.bbsonline.org/">Behavioral and Brain Sciences (Journal)</a>	177
<a href="http://bioline.uts.utoronto.ca/">Bioline International EPrints Repository</a>	2980
<a href="http://eprints.bbk.ac.uk/">Birkbeck ePrints</a>	509
<a href="#">Birmingham Eprints Service</a>	0

Bilatu: \_\_\_\_\_

EPrints - Digital Repository Software - Mozilla Firefox

Fixategia Editatu Ikusi Historia Laster-markak Tresnak Hiztegiak Laguntza

http://www.eprints.org/software/

## EPrints - Digital Repository Software

HOME SOFTWARE SERVICES OPEN ACCESS


"EPrints is comparatively mature and easier to install, customize and maintain."  
Sukhdev Singh and Naina Pandita, OpenMED@NIC

**How do you improve the world's first and most powerful repository software? Keep innovating.**  
As the first professional software platform for building high quality OAI-compliant repositories, EPrints is already established as the [easiest and fastest way](#) to set up repositories of open access research literature, scientific data, theses, reports and multimedia. EPrints 3 is a major leap forward in functionality, giving even more control and flexibility to repository managers, depositors, researchers and technical administrators.

EPrints 3 is "a significant milestone towards ideal repository software". [Report](#) by Peter Millington and William J. Nixon, *Ariadne*, issue 50, January 2007

Try out the new features of EPrints 3 online with our [demonstration repository](#) or see a [slideshow PDF](#) of the features of the software.

- Repository managers**
  - Lower the barrier for your depositors while improving metadata quality and the value of your collection.
- Depositors**
  - Time saving deposits
  - Import data from other repositories and services
  - Autocomplete-as-you-type for fast data entry
- Researchers**
  - Optimised for Google Scholar
  - Works with bibliography managers
  - Works with desktop applications and new Web 2.0 services
  - RSS feeds and email alerts keep you up to date
- Developers**
  - Tightly-managed, quality-controlled code framework
  - Flexible plugin architecture for developing extensions
- Webmasters**
  - Easily integrate reports, bibliographic



**Download EPrints**  
Latest Version: **v3.1.3** (May 2009)  
[tar.gz](#) | [deb](#)

- Debian/Ubuntu [deb](#) (latest) [Install Guide](#)
- Redhat/Fedora [rpm](#) (v3.0) [Install Guide](#)
- Windows XP/Vista (v3.0) [Install Guide](#)

Live CD (v3.1.3) - 500Mb+  
The quickest way to get started ([more info](#))

**Help and Support**  
**Mailing Lists**

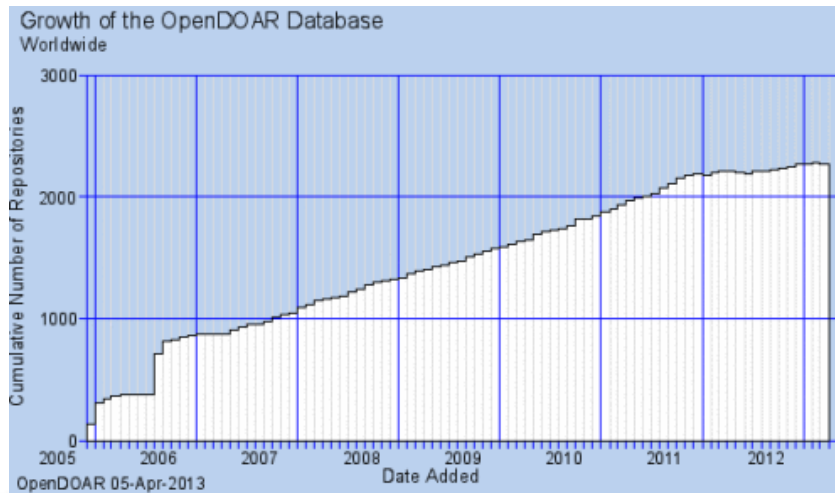
- [Technical Support \(Free\)](#) [Subscribe](#) | [View Archive](#)
- [Announcements](#) [Subscribe](#)
- [Training Materials](#) [All training](#)

Bilatu: sanc

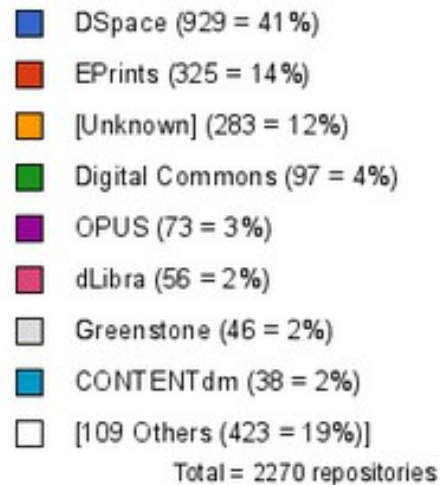
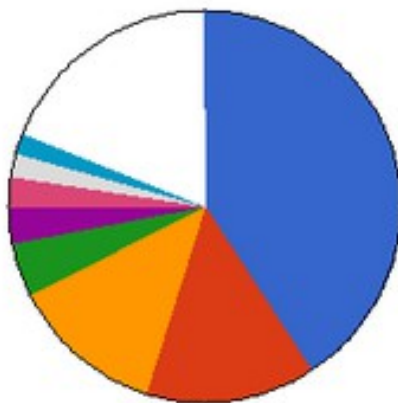
# Dspace vs. Eprints

<https://archivoempresa.wordpress.com/tag/dspace/>

<https://open.library.ubc.ca/clRcle/collections/42591/items/1.0075768>

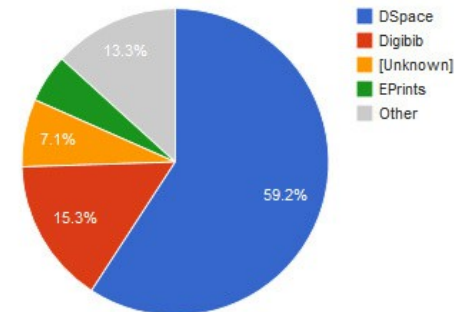


Usage of Open Access Repository Software  
Worldwide



OpenDOAR 05-Apr-2013

Usage of Open Access Repository Software - Spain



Total = 98 repositories  
OpenDOAR - 04-Apr-2013



# Koha: liburutegien kudeaketa

- 2011 Espainiako ministeriotik bultzatua: Kobli
- Ez da gehiegi internazionalizatu
- OAI-PMH, moldagarria
- Funtzio “berriak”:
  - erabiltzaileen irakurketa-zerrendak
  - erosketetarako kudeaketa
  - sinplea + konplexua
  - egunkari eta aldizkarien kudeaketa
- Komunitateak:
  - <http://wiki.koha-community.org> <http://kobli.bage.es/>

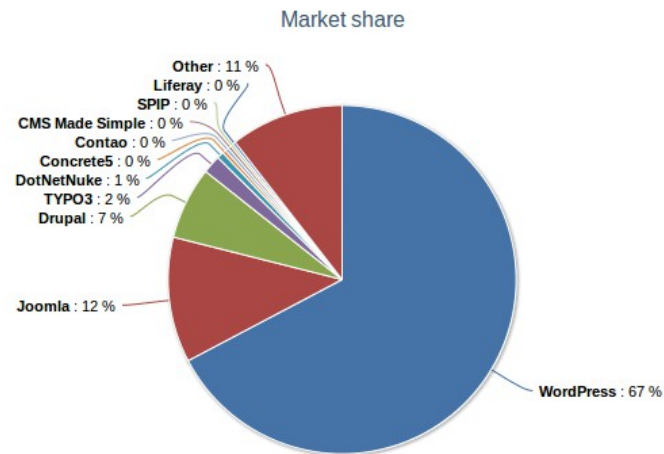


# Bildumak

- Zerbitzua baina ez softwarea:
  - <http://www.openrepository.com>
- Ranking-a
  - [http://repositories.webometrics.info/en/Ranking\\_Europe/European\\_Union](http://repositories.webometrics.info/en/Ranking_Europe/European_Union)
- Sare akademikoa: OpenDOAR

# CMSak: Eduki-kudeatzaileak

- *Wordpress* nagusi gauza sinpleetarako
- *Drupal*-ek izen ona du gauza konplexuetarako
- Beste asko: *Joomla*, *Django (Python)*, *Plone*...
- Dokumentazioaren kudeaketa: *Alfresco*?



Highcharts.com

#	APPLICATION	WEBSITES USING THIS	PAGEVIEWS
1	WordPress	3,581,849	209,445,476
2	Joomla	619,260	20,576,267
3	Drupal	359,003	42,622,231

# OJS

(aldizkariaren edizioa eta argitalpena)

- *Open Journal System*
  - <http://journal.code4lib.org/articles/10989>
- Aldizkari zientifiko-teknikoetarako
  - Ohiko urrats guztiak barneratuta
  - Estandarra *de facto* unibertsitateetan
  - eu-ra lokalizatuta

## Roles in Open Journal Systems

Roles	
Journal Manager	<p>OJS uses roles to organize activities and spaces within the the journal's management and publishing website. For example, Section Editors are only to view those submissions assigned to them by the Editor to oversee. The users of the software can have more than one role (Journal Manager and Editor), while users can have the same roles (e.g., a team of 6 Editors).</p>
Editor	
Section Editor	
Subscription Manager	
Additional Roles	

The screenshot displays the 'Kondaira' journal website. The header includes the logo for 'ueu kondaira' (Universidad Euzko Unibertsitatea) and the ISSN number 1698-9287. The main navigation menu lists categories such as 'HASIERA', 'GURI BURUZ', 'HASI SAIOA', 'ERREGISTRATU', 'BILATU', 'UNEKOA', and 'ARTXIBOAK'. Below the navigation, there is a search bar and a list of articles. The article list includes titles like 'Transmisio sexualko gaizak Gerra Zibilean' and 'Gerra Zibilean bertotzen'. The right sidebar contains a search form and a list of categories like 'ERABILTZAILA' and 'JAKINARAZPENAK'.

# Moodle

- E-learning erako CMSa
- Estandarra *de facto*

The screenshot shows the Moodle interface for the course 'eGela 2015/16'. The header includes the Moodle logo and the course title. The main content area is divided into several sections: 'Programa', 'Egutegia', and 'Irakaskuntza-gida'. The 'Programa' section contains a link to the program. The 'Egutegia' section contains a link to the calendar. The 'Irakaskuntza-gida' section contains a link to the course materials. The right sidebar contains a search box, a 'Bilaketa aurreratua' button, and a list of recent activities. The left sidebar contains a navigation menu with links to 'Nire ikastaroak', 'Gurearen orriak', 'Nire profila', and 'Oraingo ikastaroa'.



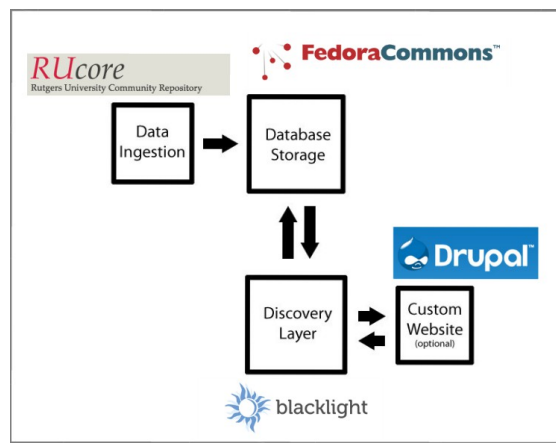
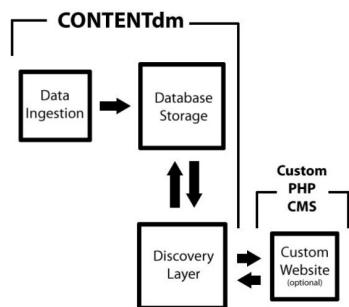


## 2.0 ikuspuntua

- Erabiltzaileekiko interakzioa handitzea komunitateak sortuz
  - norberaren liburutegia
  - wikiak/blogak komentarioak uzteko
  - gomendioak/puntuazioa lagunentzat
  - telefonoarekin (*Android*)
- Jendarte-sareetarako softwarea:
  - SUN-eko *SocialSite*: Java aplikazioak gurean erabiltzeko
    - kautotzeko modu *estandarra*
  - Google-ko *OpenSocial* (API): *gadget*-ak sortzeko
  - Apache-ko *Shindig*: sare sozialak (*OpenSocial*) eta gailu mugikorrak
- Adibide simple bat: <http://journal.code4lib.org/articles/11299>

# Azterketa-kasu bat

- *Breaking Up With CONTENTdm: Why and How One Institution Took the Leap to Open Source*
  - <http://journal.code4lib.org/articles/8327>
  - DAMS (Digital Asset Management System): handia, erakunde asko
  - 4 aukera aztertuta: CONTENTdm, **DSpace**, **Omeka**, bertakoa
    - Eskalagarritasuna, karga-denbora, zehaztasuna, bisualizazioa
  - Irtenbidea: *Fedora RUCore(ingestion)+ FedoraCommons+Blacklight+Drupal*
    - *RUCore* bezeroa (MARC): bildumen karga
    - *Blacklight*: bilaketa Solr(Lucene)
  - **Ikasitakoa: kostua ez da gakoa izan behar**



**Charleston Museum**  
CharlestonMuseum.org

Charleston Museum Home | LCDL Home | Browse | Advanced Search | My Favorites

Charleston Museum Civil War Photographs

### East Bay Street



**Item Information**

**Title:** East Bay Street

**Date:** 1865

**Subject:** Charleston (S.C.)  
United States—History—Civil War, 1861-1865—Destruction and pillage  
Ruins  
Railroads  
United States—History—Civil War, 1861-1865

**Description:** Caption: 'War Views. No. 179. Ruins of the Northeastern Railway Depot, Charleston.' This is a stereograph image which measures 3 1/2" X 7". Date assumed to be 1865.

**Digital Collection:** Charleston Museum Civil War Photographs

**Website:** http://www.charlestonmuseum.org

User Comments

0 comments

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### East Bay Street



**Title:** East Bay Street

**Date:** 1865

**Description:** Caption: 'War Views. No. 179. Ruins of the Northeastern Railway Depot, Charleston.' This is a stereograph image which measures 3 1/2" X 7". Date assumed to be 1865.

**Collection:** Charleston Museum Civil War Photographs

**Contributing Institution:** The Charleston Museum Archives

**Media Type:** Images

Click to view/hide full record

**Typical Subject:** Ruins  
Railroads

**Geographic Subject:** Low Country  
Charleston (S.C.)  
United States—History—Civil War, 1861-1865—Destruction and pillage  
United States—History—Civil War, 1861-1865


**Shelving Location:** .....

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### East Bay Street



Click to view/hide full record

**Typical Subject:** Ruins  
Railroads

**Geographic Subject:** Low Country  
Charleston (S.C.)  
United States—History—Civil War, 1861-1865—Destruction and pillage  
United States—History—Civil War, 1861-1865

**Library**

Oral history with Rebecca D. Bryan

home | browse | advanced search | my favorites

### Earthquake

Refine Search

**Subject**  
Charleston Earthquake... (277)  
Earthquakes -- South C... (193)  
Buildings -- Earthquake... (184)  
Charleston (S.C.) -- Bu... (158)  
College of Charleston (149)  
Show more...

**Creator**  
Cook, Geo L (George L...) (633)  
Unknowns (26)  
Possibly Cook, Geo L... (19)  
Rosenbath, William A (9)  
Stoney, Samuel Gailin... (9)  
Show more...

**Date**  
1848 (13)  
1886 (53)  
1886-09-01 (13)  
1906 (8)  
1978 (8)  
Show more...

**Search Results**  
select all items | clear all items | results 1 - 20 of 448 (page 1 of 23) | 1 2 3 4 5 6 7 8 9 10 | previous | next

Sort by:	Title	Description
1. no preview available	Oral history with Rebecca D. Bryan	Rebecca Ryan discusses memories of her life in Charleston. She mentions a contest between the fire departments, the Womens Exchange on King Street, Dixie Antiqu Shop, transportation as a young girl, several significant earthquakes and hurricanes, the history of her house at 110 Broad Street, the battery as a child, her childhood schooling, the Charleston Exposition of 1901, and a story about the Charleston Light Dragons. Audio with transcript and tape log.
2. no preview available	Use of enhanced NEHRP soil maps for Hazus-MH analysis in Charleston, SC	
3. preview	Accommodation Wharf	Charleston Earthquake scene. Possibly from Cook's Earthquake views, No.157, scene near Accommodation Wharf. Written on front, at bottom: 'Charleston Earthquake Scene - ruins on Accommodation Wharf.' Charleston city directory for 1886 lists Accommodation Wharf as opposite 176 East Bay Street.
4. preview	East Bay Street	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Series No. 2. No.154, East Bay, 60 days after the earthquake.' Written on front, at bottom: 'View on East Bay 60 days after the Earthquake.' Sign on building reads: 'Otto Tiedman & Sons.' Charleston city directory for 1886 shows business at 172-174 East Bay.
5. preview	East Bay Street	Charleston Earthquake scene. Possibly from Cook's Earthquake views, No.31, Tenement houses on East Bay. Written on front, at bottom: 'Charleston Earthquake scene - house on East Bay near Tradd.' Signs on building at left, reads: 'Ship & Family Groceries' known to be at the corner of East Bay and Queen. Sign on building at right, reads: '65' and possibly 'Sahlmann.' 1886 Charleston city directory lists L. Sahlmann, Hay & Grain, at 83 East Bay.
6. preview	Charleston Orphan House	Caption: 'Charleston Earthquake. Photographs by Dr. E. P. Howland, taken on his visit to Charleston and the earthquake region of Ten Mile Hill and Summerville. Over 150 photographs were taken. Orphans and tents in which they lived.' Written on front, at bottom: 'Charleston Earthquake scene - orphans, standing the yard of the Orphan House.'
7. preview	21 King Street	Charleston Earthquake scene. Sign at bottom of image: 'Mr. August Melm's room, 21 King Street.' Also, written on front, at bottom: 'Earthquake - Charleston S.C. 1886.' Charleston city directory for 1886 lists August Melm, a local attorney, as boarding at 21 King Street.
8. no preview available	The Charleston Earthquake, 1886	Photographs of the damage caused by the Charleston Earthquake of 1886. Photos are captioned with details, including the dollar amount of the damage. Introductory text by Alex. M. Cochran. Also includes advertisements for a variety of Charleston businesses, trades, merchants, and professionals. Publisher unknowns. 70 p.; 24 cm.
9. preview	Mariner's Church	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Taken after the 31st of August, 1886. No.150, Mariner's Church, exterior.' Also, handwritten at bottom of image: 'Charleston Earthquake scene - Mariner's Church, Church Street? East Bay'
10. preview	Mariner's Church	Caption: Cook's Earthquake View of Charleston and Vicinity. Taken after the 31st of August, 1886. No.151, Mariner's Church, interior.' Also, handwritten at bottom, front: 'Charleston Earthquake scene - interior of Mariner's Church, on Church Street.'
11. preview	Citadel Square	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Taken after the 31st of August, 1886. No.117, Citadel Square Baptist

**Lowcountry Digital Library**

Search Home | Search History

earthquake Search

Format

Contributing Institution

The Charleston Museum (204)  
College of Charleston Libraries (148)  
Waring Historical Library, Medical University of South Carolina (15)  
The Charleston Museum Archives (11)  
Gibbes Museum of Art (2)

Collection

Charleston Museum Earthquake Photographs (204)  
College of Charleston Buildings and Grounds (146)  
1886 Charleston Earthquake Photographs (15)  
Charleston Museum Illustrated Newspapers Collection (11)  
George W. Johnson Photographs (2)  
Bunton L. Parcel Papers, 1957-2009 (1)  
Keystone View Company Lantern Slides, 1892-1912 (1)

Date

Media Type

Images (379)

Subject (Topic)

Charleston Earthquake, S.C., 1886 (215)  
Earthquakes--South Carolina (213)  
Buildings--Earthquake effects--South Carolina--Charleston (181)  
Universities and colleges -- South Carolina--Charleston (146)  
Dwellings (89) more »

Subject (Geographic)

Low Country (378)  
Charleston (S.C.) -- Buildings, structures, etc. (146)  
Meeting Street (Charleston, S.C.) (27)  
Charleston (S.C.) Buildings, structures, etc. Pictorial works (15)  
Charleston (S.C.) History 19th century (15) more »

Displaying items 1 - 10 of 380 start over

Sort by relevance | Show 10 | per page

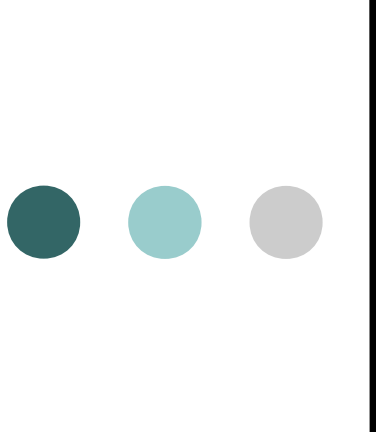
« Previous 1 2 3 4 5 ... 37 38 Next »

Title	Description
21 King Street	Charleston Earthquake scene. Sign at bottom of image: 'Mr. August Melm's room, 21 King Street.' Also, written on front, at bottom: 'Earthquake - Charleston S.C. 1886.' Charleston city directory for 1886 lists August Melm, a local attorney, as boarding at 21 King Street.
Private residence, interior	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Series No.2. No.155, Interior of a private house.'
Accommodation Wharf	Charleston Earthquake scene. Possibly from Cook's Earthquake views, No.157, scene near Accommodation Wharf. Written on front, at bottom: 'Charleston Earthquake Scene - ruins on Accommodation Wharf.' Charleston city directory for 1886 lists Accommodation Wharf as opposite 176 East Bay Street.
East Bay Street	Charleston Earthquake scene. Possibly from Cook's Earthquake views, No.31, Tenement houses on East Bay. Written on front, at bottom: 'Charleston Earthquake scene - house on East Bay near Tradd.' Signs on building at left, reads: 'Ship & Family Groceries' known to be at the corner of East Bay and Queen. Sign on building at right, reads: '65' and possibly 'Sahlmann.' 1886 Charleston city directory lists L. Sahlmann, Hay & Grain, at 83 East Bay.
north side of Market Street	Charleston Earthquake scene. Copy of No.24 of Cook's Earthquake Views. Shows damage to the buildings on the north side of Market Street, including the Sailor's Home.
Rutledge Street, tent village	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Taken after the 31st of August, 1886. No.86, tents, Rutledge St[reet] Terrace.' Handwritten at bottom, front: 'Charleston Earthquake views - tents on Rutledge Terrace'
College of Charleston	Caption: 'Cook's Earthquake Views of Charleston and Vicinity. Taken after the 31st of August, 1886. No.120, College as torn down.' Handwritten at bottom, front: 'Charleston Earthquake views - Charleston College. Both wings gone.'
College of Charleston	Charleston Earthquake scene. Possibly from Cook's Earthquake Views. Series No.2. No.169, College of Charleston, front (captioning missing, 'Cook No.169' handwritten on reverse).



# Eta gehiago

- <http://journal.code4lib.org/articles/11148>
- ***Beyond Open Source: Evaluating the Community Availability of Software***
  - *Suma (Suma ... [updated 2015]) is an open-source mobile web-based assessment toolkit developed by NCSU Libraries for collecting and analyzing observational data about the usage of physical spaces and services.*
  - ...
  - *Library technology should be able to thrive in diverse organizational and technological environments. Within the library community, technical settings vary wildly. For example, the 2011-2012 ALA Public Library Funding & Technology Access Study showed that 88 percent of public libraries depend on “non-IT specialists” for their IT support services, with 59.5% of rural public libraries depending on their library director for IT support (American Library Association, 2012)*



# Dokumentazioaren kudeaketarako software librea

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