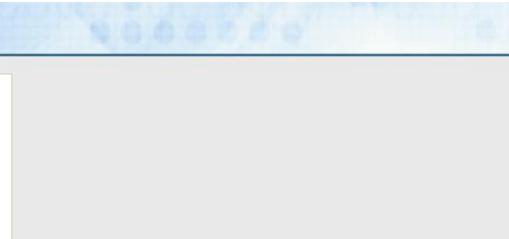


## ArchiveWeb: working with web archive collections

Alexandria Workshop 2 November 2015 Ivana Marenzi, Trevor Fernando Zeon









## Outline

- Field study (User Centred Design approach)
- Two scenarios
- Future work



## Challenge

## Improve the user experience when working with web archive collections



## Web archive collections

Curated collections are:

- Focused rather than haphazard
- Informed by skilled selectors
- Guided by a collection development policy

## What users ?



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4



## **Experts** interviews

3-7 August 2015, Internet Archive, San Francisco

**Purpose of the interview:** collect and analyse requirements for building and using Web archive collections, to be used as important input for new algorithms and tools to improve Web archives.

## **Interviewees:**

Colleagues from university libraries and similar institutions who are **creating/curating** Archive-It collections

**Procedure:** The interviews were conducted via Skype. Participants were asked open-ended questions.



## **Experts** interviews Questions

- 1) WHAT COLLECTIONS are built and what is the **MOTIVATION** for building these collections?
- 2) Who decides which collection is built and who is responsible for SELECTING which resources go into a specific collection?
- 3) Who are / could be **potential USERS** of a collection? Do you track the use of your collection?
- 4) Which **functionalities** are important for users who work with these collections when accessing Web Archive collections?
- 5) Are there any USER interface improvements which you and your users already have on their wish list?

6



## **Experts** interviews some results

1) WHAT COLLECTIONS are built and what is the **MOTIVATION** for building these collections?

Web Archiving seen as a tool for preserving:

- institutional memory, government websites, event-based collections -
- resources that are only published online (e.g. digital art)....or in danger of disappearing from the web
- special collections: donations of materials from individuals or organizations -
- facilitating learning and scholarship

7



## **Experts** interviews some results

2) Who decides which collection is built and **who is responsible for SELECTING** which resources go into a specific collection?

### **Collaborative work**

- Individual selectors / subject specialists within the library are responsible for individual archiving requests or collections
- web archivist / curator (collection development librarians) are ultimately overseeing those collections as they have taken shape
- CDE group In some cases topical collections are decided by a *collection* development executive group
- **External nominations** workflow for allowing people to nominate websites.





## **Experts** interviews some results

3) Who are / could be **potential USERS** of a collection? Do you **track** the use of your collection?

- Selectors and curators themselves
- Specific University research community (e.g. individual faculty members)
  - professors collecting websites for their lessons
  - researchers analysing data for their Doctoral work
- Art, history and galleries staff who have been visiting the library and they are looking for a specific resource
- People who are looking for specific documents that have been removed from the government website



## **Experts** interviews some results

4) Which **FUNCTIONALITIES / Interface** are important for users who work with these collections when accessing Web Archive collections?

- Full text search (to improve *access* services) -
- User annotation (also to leave a note TO users) -
- Visualization of the data (overview of the collection (e.g. piece of art)
- Multimedia (videos)



## Challenge

## Improve the user experience when working with web archive collections



## Two scenarios

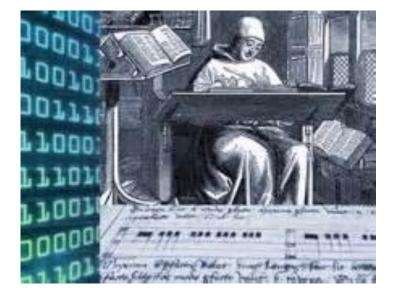
## **Digital Humanities scholar**

A political scientist is interested in studying

- how various Human Rights organizations deal with the topic "migration"
- how specific approaches changed over time

## **Generic user (e.g. English language student)**

A university student attends an English Language course where the topic is about the current situation of *refugees* in Europe. His task is to find related information to enrich the discussion with his peers.

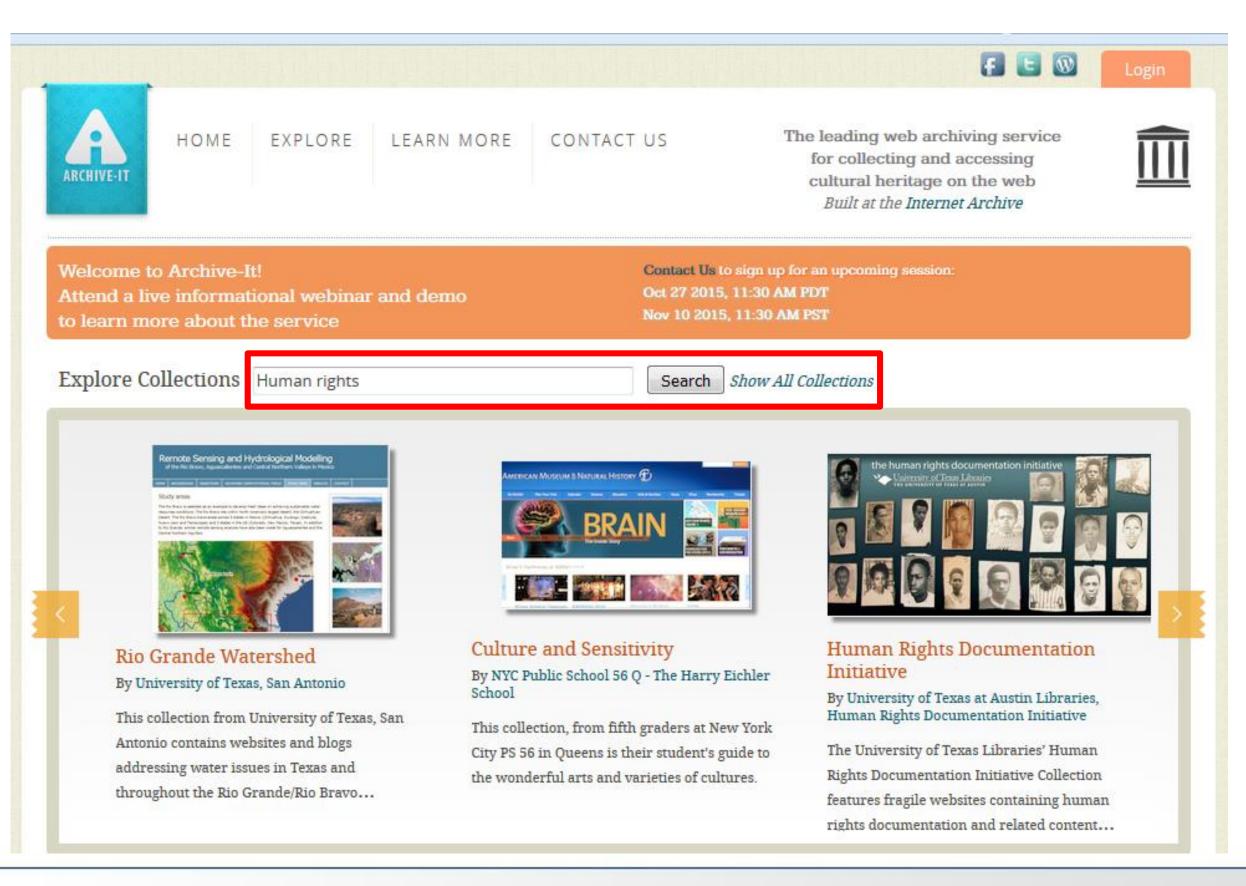






## Scenario 1: Digital Humanities scholar

### Searching in Archive-It for "Human rights"







 Web Science – Inves	stigating the Future of Informa
HOME EXPLORE LE	EARN MORE CONTACT US The leading we for collectin cultural heri Built at the
Narrow Your Results Type of Collecting Organization	Explore All Archives Items in the archive are listed below. Narrow your results at left, or encoded collecting organization, collection, site, specific URL or to search the test
Sort By: Count (A-Z)	human rights
Colleges & Universities National Institutions NGOs Other Institutions Public Libraries & Local Governments State Archives & Libraries	<ul> <li>The following results were found for the term(s): human rights</li> <li>1 Collecting Organizations were found.</li> <li>23 Collections were found.</li> <li>1362 Sites were found.</li> <li>Additional results for human rights may be found by searching with</li> </ul>
Collecting Organization	Collecting Organizations Collections Sites
Sort By: Count (A-Z)	Page 1 of 1 (23 Total Resu
San Francisco Public Library (4) National Library of Australia (3) Council of Europe (2) University of Miami (2) University of Michigan, School of Information (2) American University in Cairo (1) Columbia University Libraries (1) Duke University (1) Oklahoma Department of Libraries (1) Seamen's Church Institute (1)	Sort By:         Best Match       Collection Name (A-Z)       Collection Name (Z-A)         Organization (Z-A)         Human Rights         Collected by: University of Manitoba         Archived since: Apr, 2014         No description.         Subject:       Universities & Libraries
Tennessee State Library and Archives (1) Ucla (1) University of Manitoba (1) University of Minnesota (1)	Human Rights Collected by: Columbia University Libraries Archived since: May, 2008
University of Texas at Austin Libraries, Human Rights Documentation Initiative (1) More V Less A	Description: An initiative of CUL's Center for Human Rights Docu Rights Web Archive is an effort to preserve and ensure access to a resources created mainly by non-governmental organizations, na and individuals. Subject: Society & Culture, Human rights, Non-governmental or
Subject Sort By: Count (A-Z)	workers, National human rights institutions, Web archives <b>Creator:</b> Columbia University Libraries, Center for <b>Human Right</b>

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## ation and Communication veb archiving service ing and accessing eritage on the web e Internet Archive enter a search query below to find a text of archived webpages. Clear Search thin the page text. Search Page Text sults) Organization (A-Z) cumentation and Research, the Human o freely available human rights national human rights institutions, organizations, Human rights Creator: Columbia University Libraries, Center for Human Rights Documentation and Research



ARCHIVE-IT	HOME	EXPLORE	LEARN MORE	CONTACT US	The leading web archivin for collecting and acc cultural heritage on th <i>Built at the Internet Ar</i>

Explore >> University of Texas at Austin Libraries, Human Rights Documentation Initiative >> Human Rights Documentation Initiative



Archived since: Apr, 2009

keyword search at http://www.lib.utexas.edu/hrdi/hr archive. Subject: Society & Culture, Politics & Elections, Blogs & Social Media

### Narrow Your Results

specific URL or to search the text of archived webpages. (A-Z)

armed conflict and persecution-disappearances (2) civil and political rights--women's rights (2) advocacy, activism, and responses to persecution--activists (1) advocacy, activism, and responses to persecution--archives, libraries, and museums (1) advocacy, activism, and responses to persecution--non-governmental organizations (1)

Sort By: Count

### More 🔻

Subject

Creator

Sort By: Count (A-Z)

Comisión de Derechos Humanos de El Salvador (CDHES) (1) Human Rights for All (FIDH) (1) University of Oxford: Department of International Development (1)

Publisher

Sort By: Count (A-Z)

migration

The following results were found for the term(s): migration

- 3 Sites were found.
- Additional results for migration may be found by searching within the page text.



Commission of El Salvador

### URL: http://cdhes.org.sv/

Captured 12 times between Apr 29, 2009 and Jan 18, 2013





persecution--archives, libraries, and museums (1) advocacy, activism, and responses to persecution--non-governmental organizations (1)



Creator

Sort By: Count (A-Z)

Comisión de Derechos Humanos de El Salvador (CDHES) (1) Human Rights for All (FIDH) (1) University of Oxford: Department of International Development (1)

Publisher Sort By: Count (A-Z)

Comisión de Derechos Humanos de El Salvador (1) Human Rights for All (FIDH) (1) University of Oxford: Department of International Development (1)

Language	Sort By:	Count	(A-Z)
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Coverage	Sort By:	Count	(A-Z)
Africa; Asia; Europe; M America (1) Africa; Asia; Europe; M America; Oceania (1) Latin America; Centra Latin America; Centra East (1) Middle East; Latin Am America (1) More <b>V</b>	North Am l Americ l Americ	nerica; S ca (1) ca; Middl	outh

Sort By: Count (A-Z)

Sites Search Page Text

Page 1 of 1 (3 Total Results)

Sort By: Best Match | Title (A-Z) | Title (Z-A) | URL (A-Z) | URL (Z-A)

Title: Comisión de Derechos Humanos de El Salvador / Human Rights Commission of El Salvador

### URL: http://cdhes.org.sv/

Description: In Spanish. Non-governmental organization that conducts human rights advocacy and education. Focuses on issues of health, poverty, education, justice and **migration**. Contains documents, news items, and information on how to report human rights violations. Captured 12 times between Apr 29, 2009 and Jan 18, 2013 Subject: armed conflict and persecution--disappearances, advocacy, activism, and responses to persecution--activists, laws, justice, and judicial proceedings--accountability, advocacy, activism, and responses to persecution--archives, libraries, and museums, economic, social, and cultural rights Creator: Comisión de Derechos Humanos de El Salvador (CDHES) Publisher: Comisión de Derechos Humanos de El Salvador Source: http://cdhes.org.sv/ Language: Spanish Coverage: North America--El Salvador, Latin America; Central America Identifier: http://wayback.archive-it.org/1475/\*/http://www.cdhes.org.sv/ Collector: UT Libraries

Title: Forced Migration Online: A World of Information on Human Displacement

### URL: http://forcedmigration.org/

Description: In English. Research portal for electronic resources on forced migration. Includes list of journals, podcasts, videos, organizations, photographs, working papers, and events. Captured 14 times between Apr 29, 2009 and Jan 18, 2013 Videos: 73 Videos Captured

Subject: civil and political rights--freedom of religion, armed conflict and persecution--internally displaced persons, civil and political rights--women's rights, armed conflict and persecution-displacement, economic, social, and cultural rights--economic and labor rights--labor rights, laws, justice, and judicial proceedings -- international law, economic, social, and cultural rights -- social and cultural rights--identity, ethnic

Creator: University of Oxford: Department of International Development Publisher: University of Oxford: Department of International Development Source: http://forcedmigration.org

Language: English

Coverage: Africa; Asia; Europe; North America; South America; Oceania, Latin America; Central America: Middle East

Identifier: http://wayback.archive-it.org/1475/20090429171146/http://www.forcedmigration.org/ Collector: UT Libraries

Title: Human Rights for All / Les Droits de L'Homme pour Tous

### URL: http://www.fidh.org/-english-

Description: In French, English, Spanish, and Arabic. FIDH aims at obtaining effective improvements in the protection of victims, the prevention of human rights violations and the sanction of their nemetrators worldwide. Focuses on human rights defenders, international justice, terrorism, death

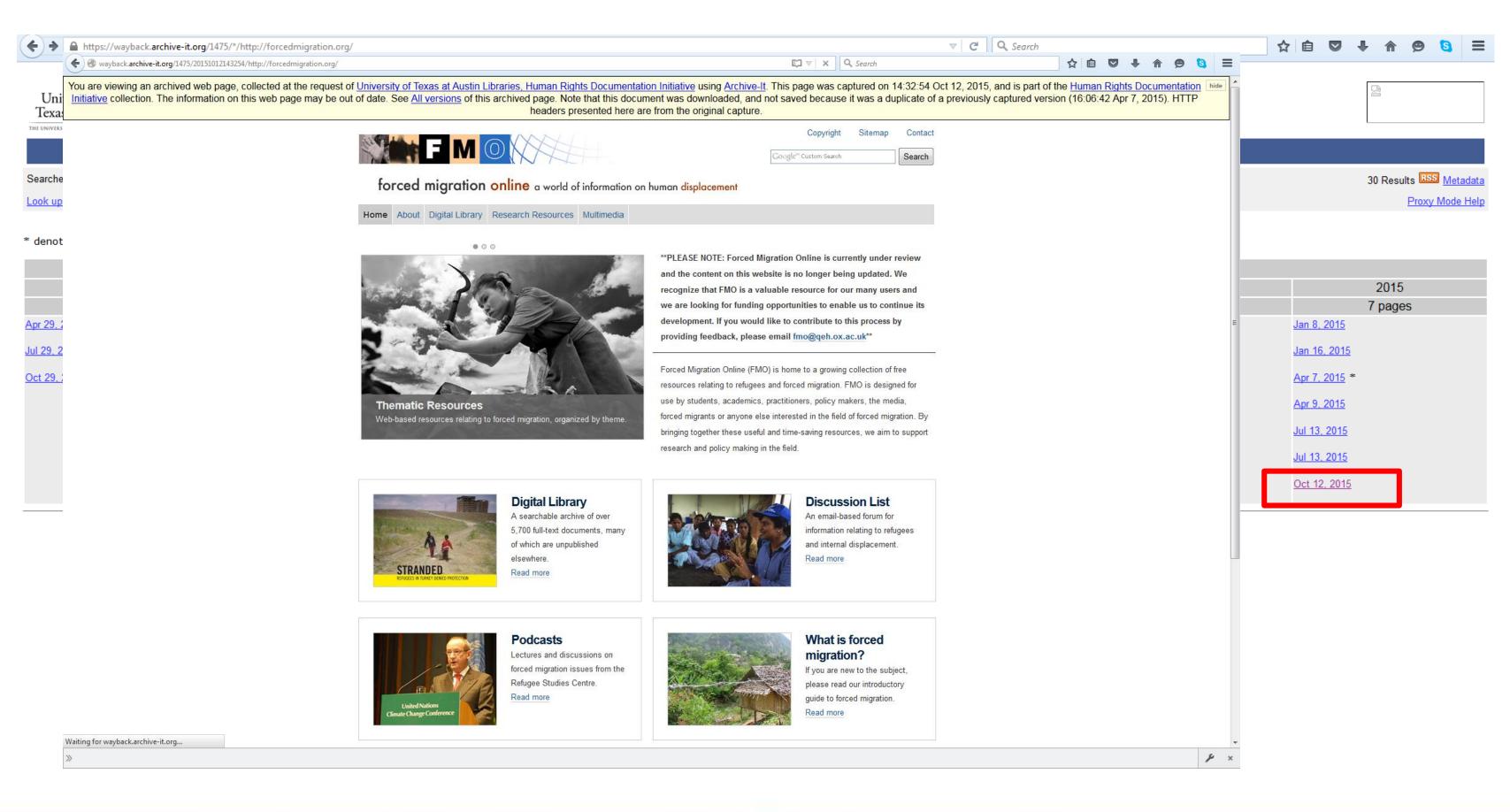
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Collector Sort By: Count (A-Z) UT Libraries (3)

Identifier











## ArchiveWeb: working with web archive collections

- Collaborative search and sharing platform Ο
- Building workable collections of resources Ο
- Sharing collections between a group of people Ο
- User annotations for resources in the form of tags and comments Ο
- Flexibility to build your own personal archive Ο



Options: (3) Copy to ...

Web Science - Investigating the Future of Information and Communication

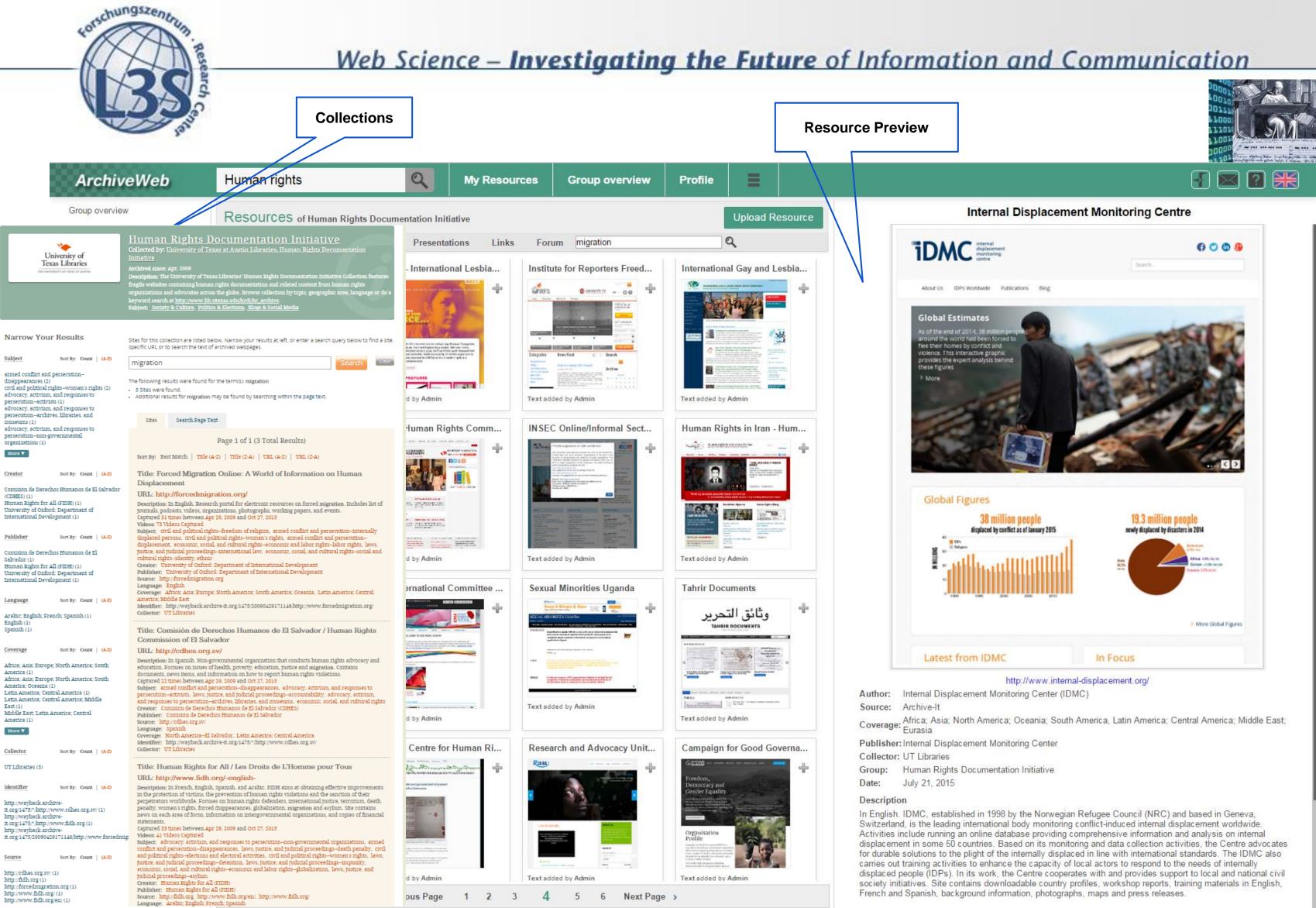
## Scenario 1: Digital Humanities scholar

Searching in ArchiveWeb for "Human rights"

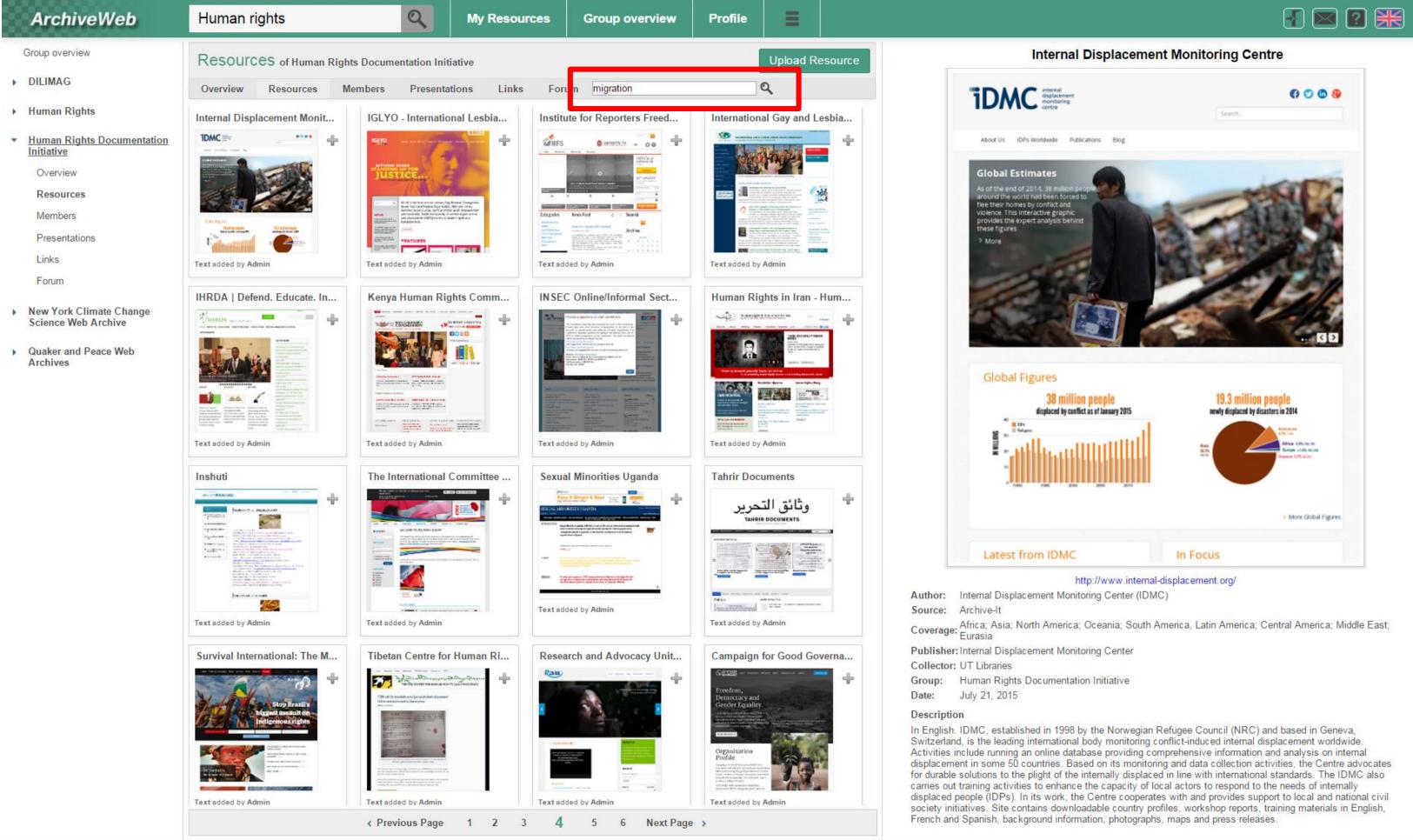
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reports. Options: 💿 Copy to Group: Huma	an Rights;	Human Rights Documentation Initiative (269)
Iran <b>Human Rights</b>		Human Rights (IHR) (163)
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Human rights organization based in Lo international organizations, writing artic	les, monitoring the media, ca	
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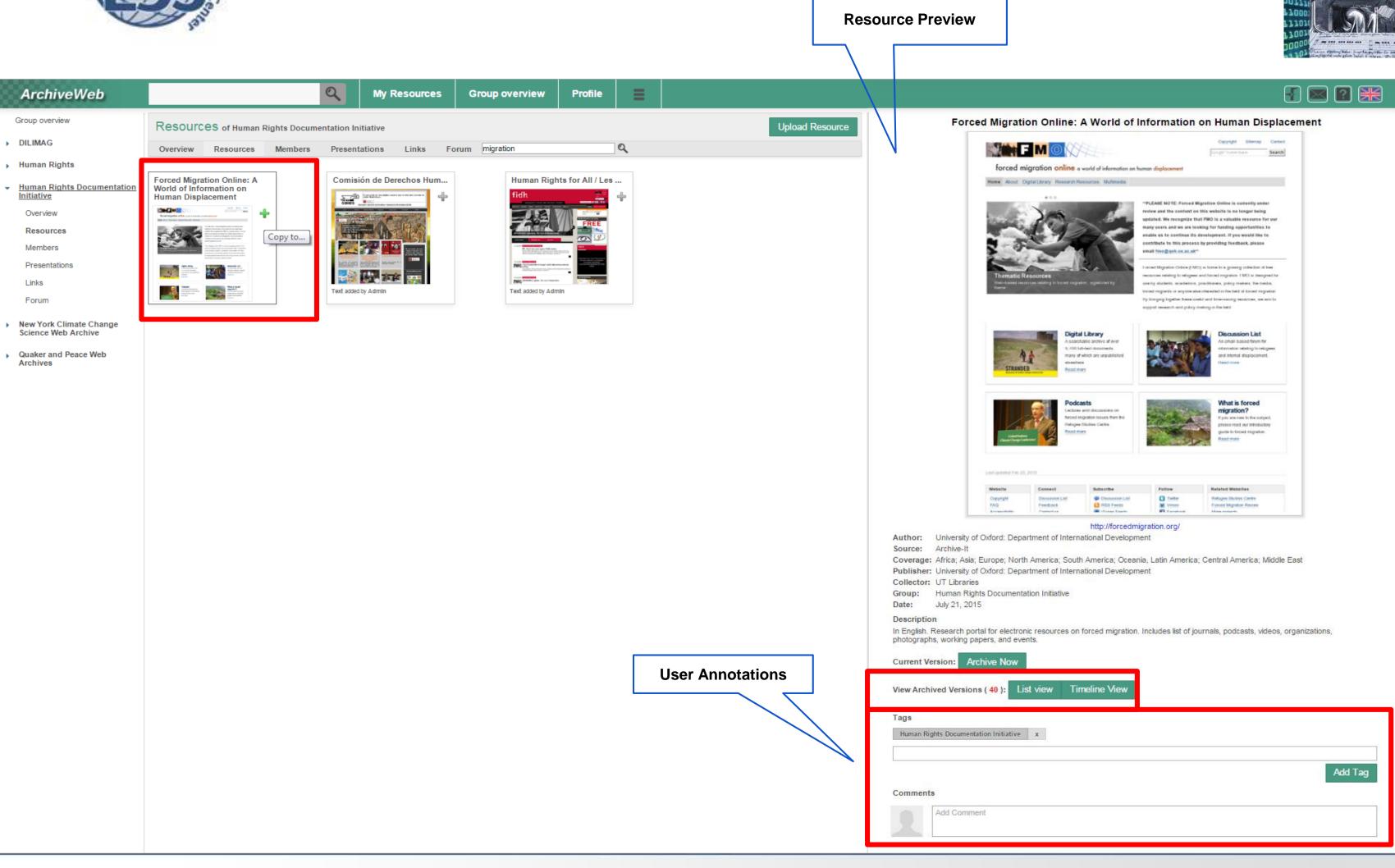


















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+	Quake Archive	Thematic Resources Web-based resources relating to forced migration, organized by	y theme. y theme. use by students, academics, practitioners, policy makers, the media, forced migrants or anyone else interested in the field of forced migration. By bringing together these useful and time-saving resources, we aim to support research and policy making in the field.



**Digital Library** A searchable archive of over 5,700 full-text documents, many of which are unpublished elsewhere Read more



Podcasts Lectures and discussions on forced migration issues from the Refugee Studies Centre. Read more







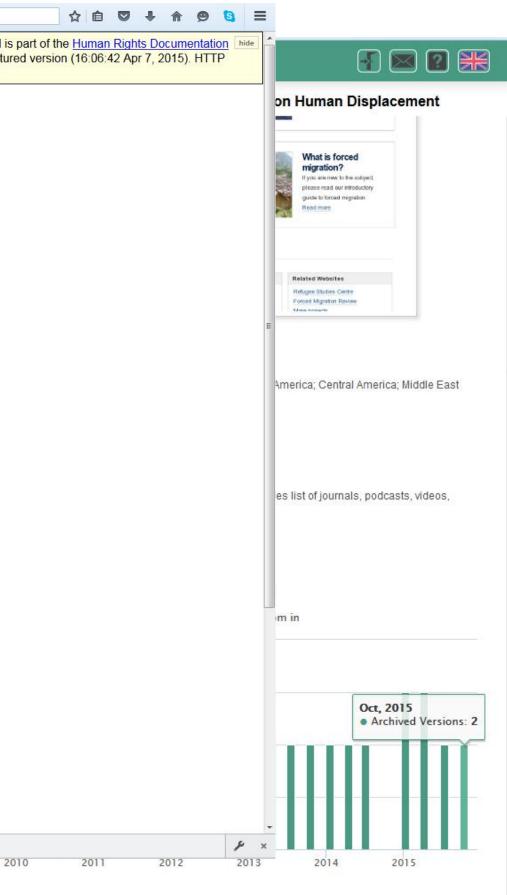
migration? If you are new to the subject, please read our introductory guide to forced migration. Read more

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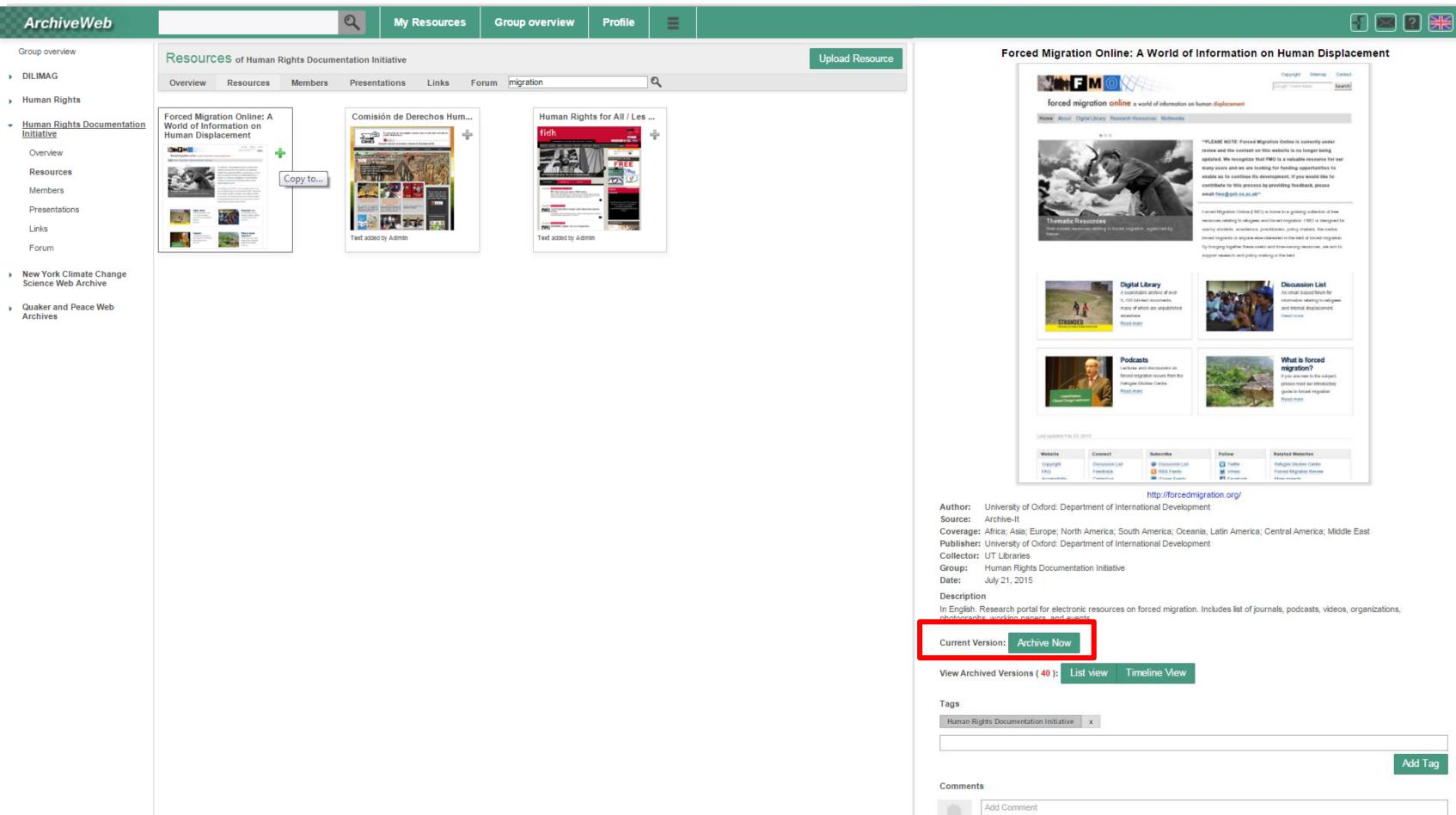
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Human Rights Documentation Initiative



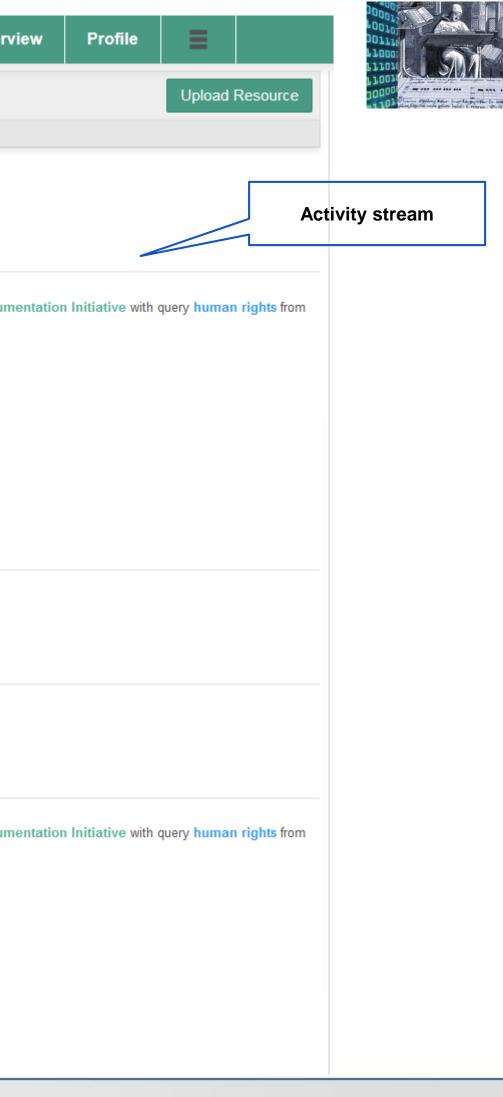






### Web Science – Investigating the Future of Information and Communication

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### Web Science – Investigating the Future of Information and Communication

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## Two scenarios

**Digital Humanities scholar** 

A political scientist is interested in studying

- how various Human Rights organizations deal with the topic "migration"
- how specific approaches changed over time —

## **Generic user (e.g. English language student)**

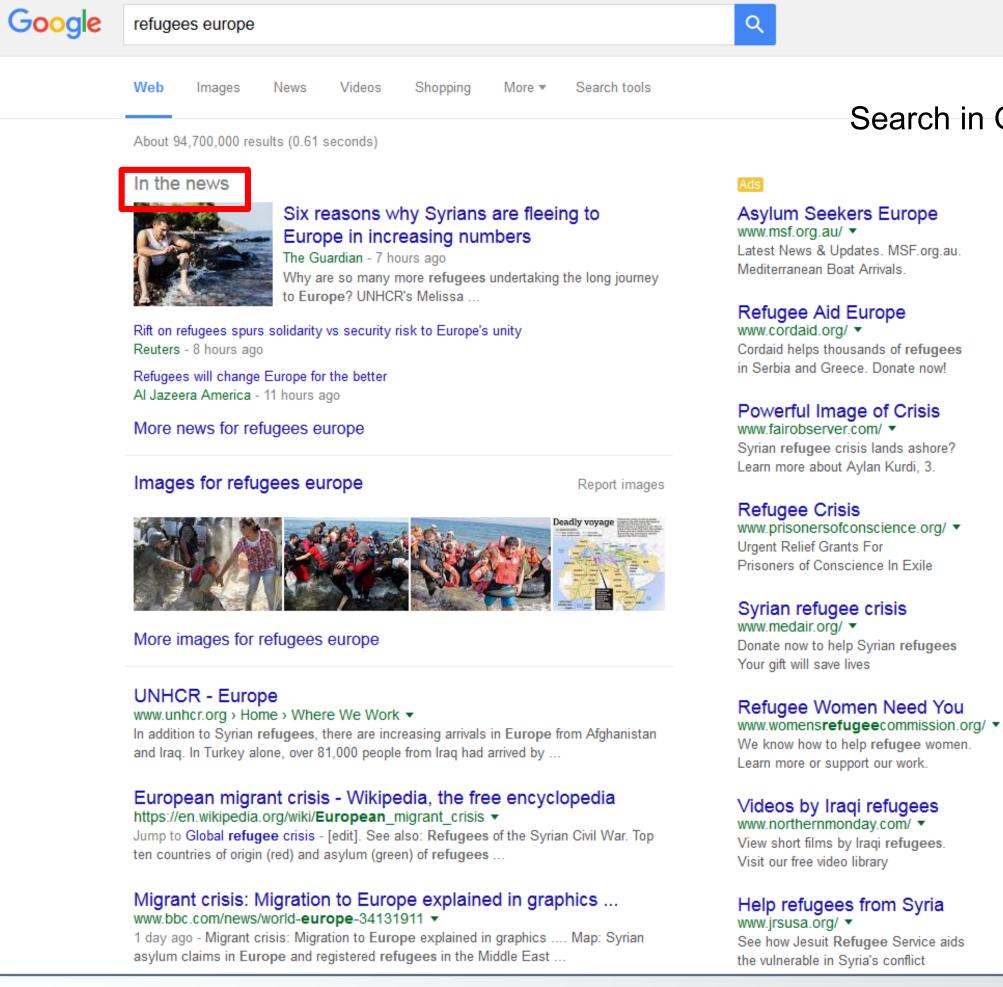
A university student attends an English Language course where the topic is about the current situation of *refugees* in Europe. His task is to find related information to enrich the discussion with his peers.







## Scenario 2: English language student





### Search in Google for "refugees Europe"



## Scenario 2: English language student

Searching in LearnWeb for "refugees Europe"

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K'hal Adath Jeshurun

resource.jsf?resource\_id=139756

In the late 1930s, driven out of Europe by Hitler and his followers, a small number of German refugees who had settled in the Washington Heights section of New York joined together to establish a

Options: Options: Options: Group: Burke Library New York City Religions;

### Ukrainian Helsinki Human Rights Union

resource.jsf?resource\_id=142986

establishment are realization and protection of rights and freedoms by promoting practical implementation of humanitarian articles of the Final Act of the Conference for Security and Cooperation in Europe (CSCE

Options: () Copy to... Group: Human Rights (IHR);

### The Migrants' Voices (teaching unit)

### resource.jsf?resource\_id=70675

vocaboli a partire dal contesto ed estendere l'uso facendo altri esempi (20 min.); 8 July 2013 Last updated at 09:47 GMT (http://www.bbc.co.uk/news/world-europe-23224010) Pope Francis visits Italy's

Options: 😳 Copy to..

Group: Materials and Projects for TELL;

### The Refugees' Journey Through Europe - The New York Times

http://kristof.blogs.nytimes.com/2015/10/29/the-refugees-journey-through-europe/

I spent two weeks documenting the experiences of refugees and migrants as they traveled through five countries in Europe. This is what I saw.

Options: 🕥 Copy to...

### Home - European Council on Refugees and Exiles

http://ecre.org/

Mission Statement. The European Council on Refugees and Exiles (ECRE) is a pan-European alliance of 90 NGOs protecting and advancing the rights of refugees, asylum ...

Options: (3) Copy to...

### Pressure Points » Jews and Refugees in Europe

http://blogs.cfr.org/abrams/2015/10/29/jews-and-refugees-in-europe/

Does the arrival of hundreds of thousands of Muslim refugees in Europe pose a threat to Jews who live there? Prof. Daniel Byman (of Brookings and ...

Options: 💿 Copy to...



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# Web Science – Investigating the Future of Information and Communication Web Science – Investigating the Future of Information and Communication Image: state of the sta

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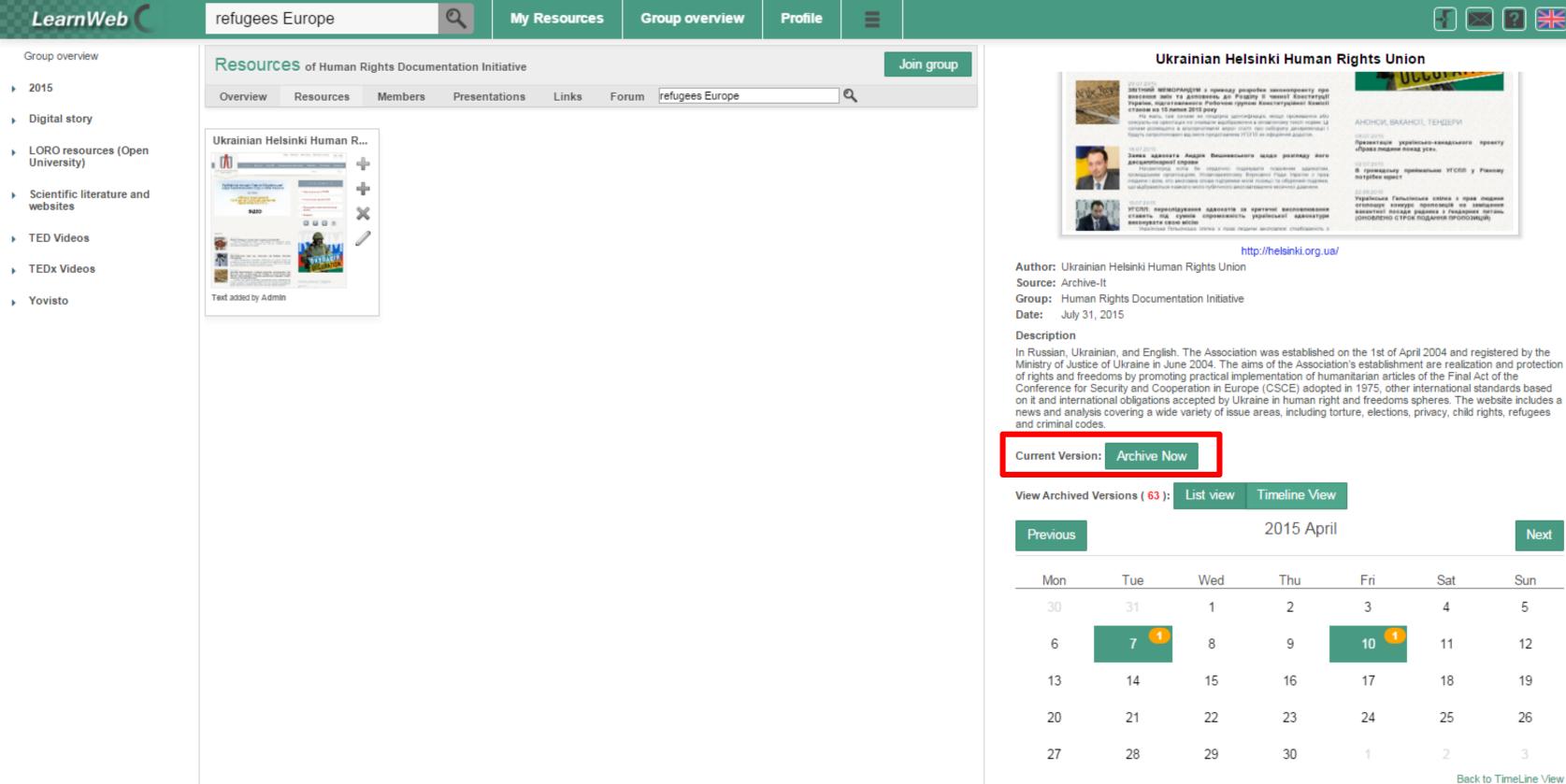
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## Future Work

- Full text search and corresponding ranking -
- Better management of very large collections -
- Better management of very large groups (folders)
- Multimedia (videos) -



## DEMO

## "ArchiveWeb: working with web archive collections" **Trevor Fernando Zeon**

## Monday, 2. November 2015 16:45 - 18:00Alexandria Reception and Demonstrations



## Questions / suggestions ?

## DEMO

"ArchiveWeb: working with web archive collections" **Trevor Fernando Zeon** 

Monday, 2. November 2015 16:45 - 18:00Alexandria Reception and **Demonstrations** 



ArchiveWeb - Alexandria Workshop, Hannover, 2 November 2015

## marenzi@L3S.de