

Research Challenges in EMLoT: a Digital Humanities perspective

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College
LONDON



Three main points..

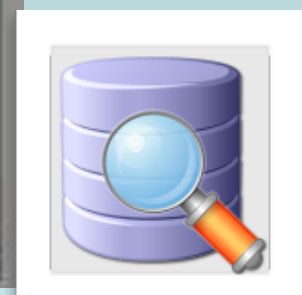
1. **Modeling.** Creating a computational representation of the history of textual transmission
2. **Access.** Complex data need simple access points: the faceted browser
3. **Reuse.** From a passive resource, to a platform that supports the creation of new knowledge

1) Modeling: from Endnote to a relational DB

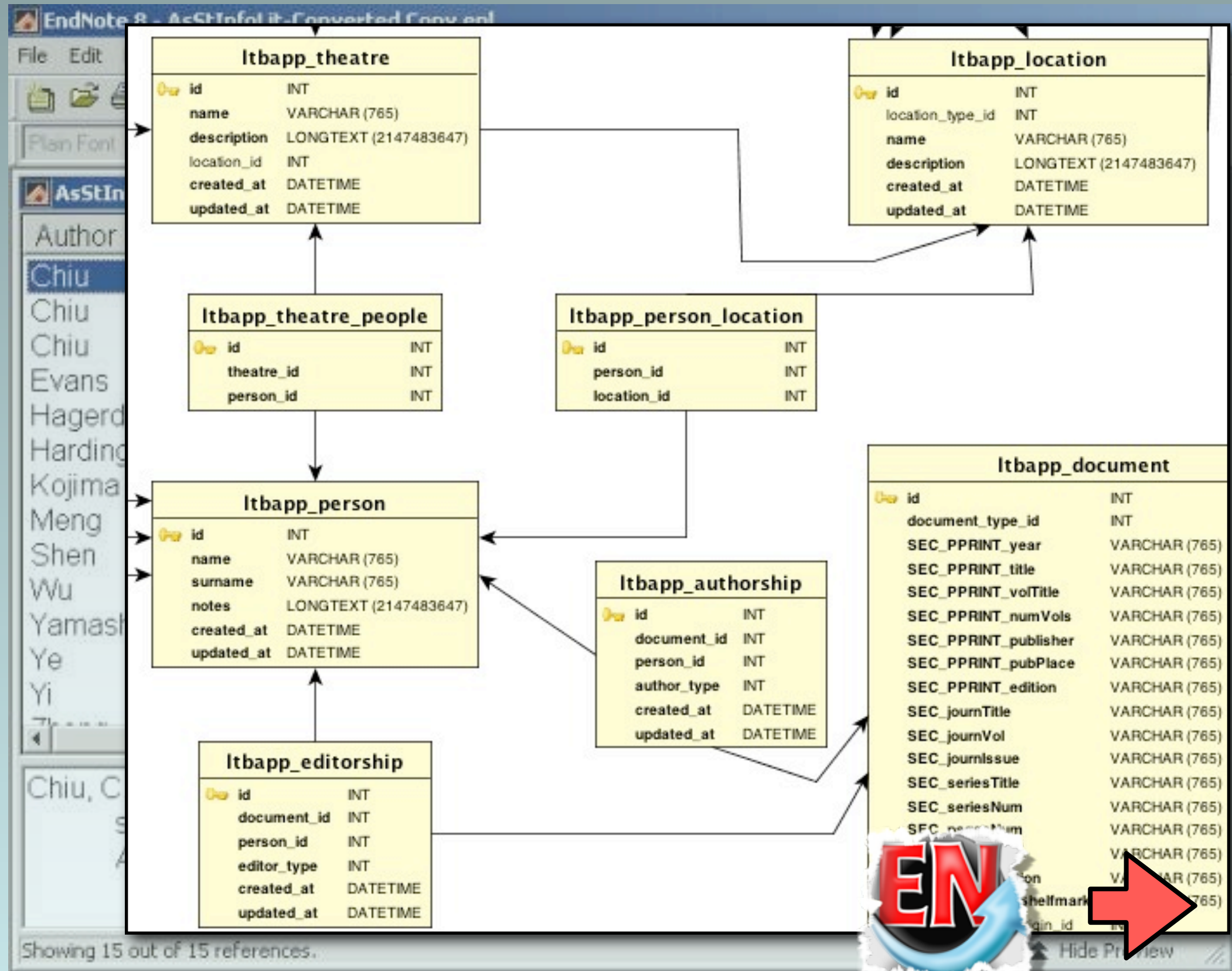
The screenshot shows the EndNote 8 interface. The main window displays a list of references with columns for Author, Year, Title, and Journal/Secondary Title. The first reference is selected, and its full citation is shown in the preview pane below. The citation reads: Chiu, C. (1993). Bibliographic instruction for East Asian studies in academic libraries: a survey analysis. *Bulletin of the Association of Asian Studies Committee on East Asian Libraries*(100), 1-11.

Author	Year	Title	Journal/Secondary Title
Chiu	1993	Bibliographic instruction for East ...	Bulletin of the Association of As
Chiu	1995	Establishing a BI clearinghouse f...	Journal of East Asian Libraries
Chiu	1996	One-step research: using WWW ...	Journal of East Asian libraries
Evans	1988	John Fairbank and the American ...	
Hagerdal	1998	Why Sinologists look east: an es...	New developments in Asian stu
Harding	1993	The evolution of American scholar...	American studies of contempora
Kojima	2003	Binary fluency: bibliographic ped...	Journal of East Asian libraries
Meng	2000	Document database construction ...	Electronic Library
Shen	2000	When technology transforms rese...	Reference Services Review
Wu	1993	Library resources for contempora...	American studies of contempora
Yamashita	2000	Asian studies at American private...	Asia in the undergraduate curric
Ye	2004	East Asian Collection Project	
Yi	2002	Using the internet to teach access...	Reference Services Review
Zhou	2004	Print and electronic resources for	

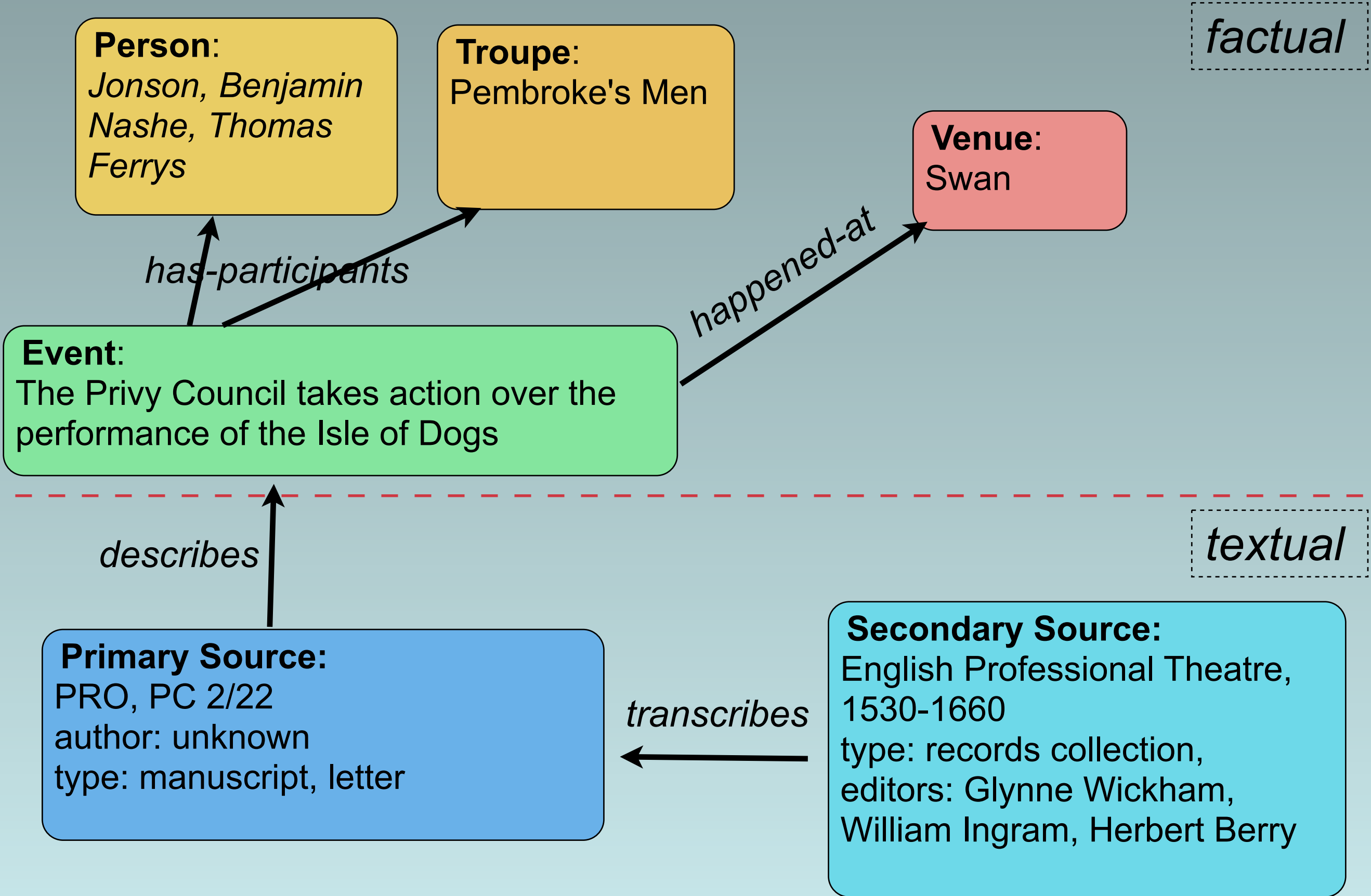
Showing 15 out of 15 references.



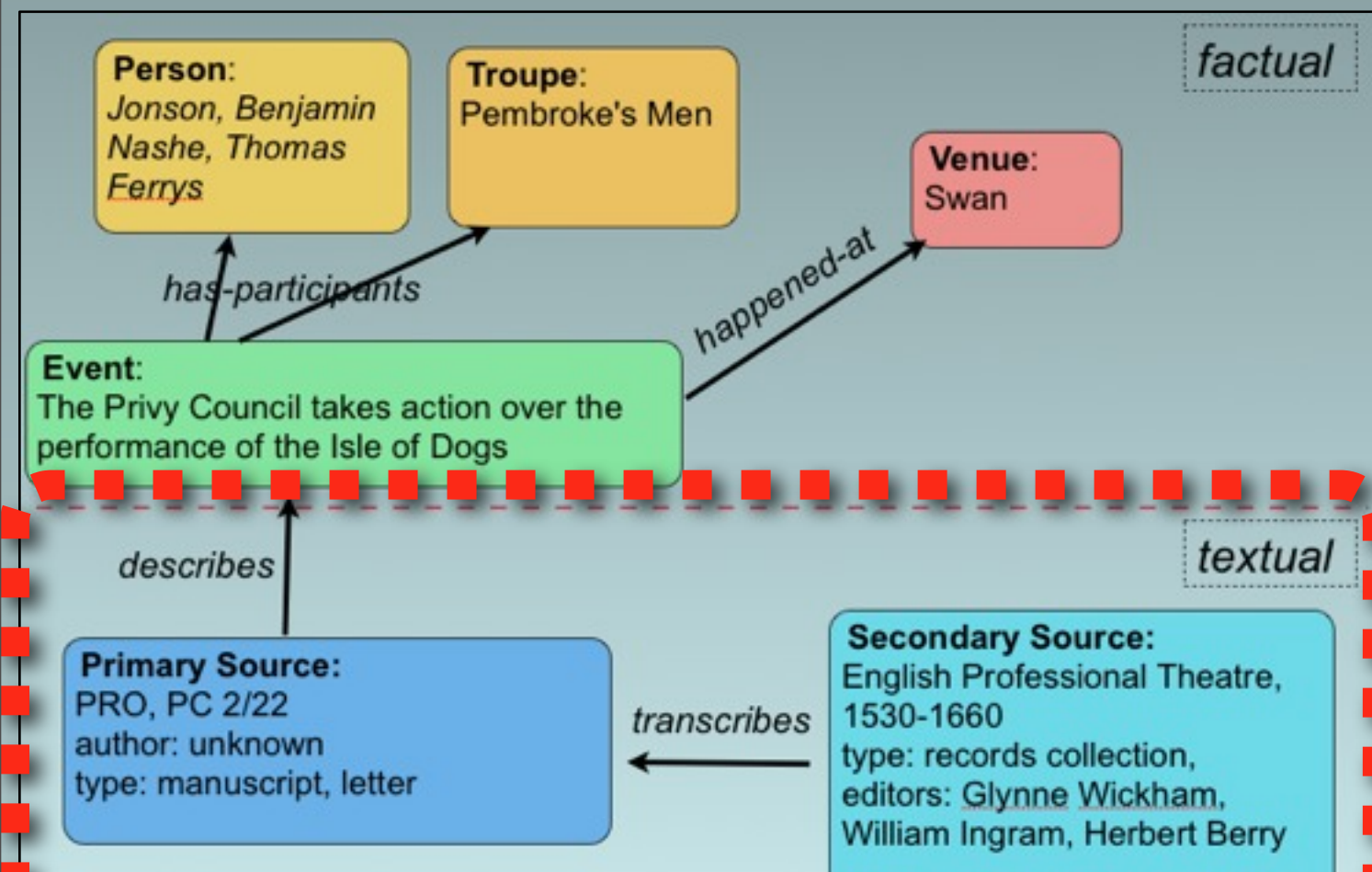
1) Modeling: from Endnote to a relational DB



1) Modeling: EMLoT data model in a nutshell



1) Modeling: two different levels of abstraction



EMLoT Transcription Record:

Authored by: Tanya Hagen

Primary Source Transcribed: PRO, PC 2/22

Location of Transcription (in Sec.Source): pag. 120, vol. 2

Primary Source as Cited in Sec.Source: PRO, PC 2/22/m.724d.

Transcription Notes: excerpted; parenthetical date(s);

parenthetical note(s); spelling and punctuation standardized

2) Access: complex data need ~~complex~~ simple access points

Search

Results Per Page Offset

Ranking Relevance Asc Desc

Output Browser Abstraction layer Both

Separator

Fields:

<input checked="" type="checkbox"/> Teaser	<input type="checkbox"/> Archiveidentifier	<input checked="" type="checkbox"/> Url	<input type="checkbox"/> Collection	<input type="checkbox"/> Encoding
<input type="checkbox"/> Multimedialinks	<input type="checkbox"/> Links	<input type="checkbox"/> Linknames	<input type="checkbox"/> DC_Date	<input type="checkbox"/> DC_Title
<input type="checkbox"/> DC_Subject	<input type="checkbox"/> DC_Description	<input type="checkbox"/> DC_Publisher	<input type="checkbox"/> DC_Contributor	<input type="checkbox"/> DC_Type
<input type="checkbox"/> DC_Identifier	<input type="checkbox"/> DC_Source	<input type="checkbox"/> DC_Language	<input type="checkbox"/> DC_Relation	<input type="checkbox"/> DC_Coverage
<input type="checkbox"/> Text	<input checked="" type="checkbox"/> Archival_time	<input checked="" type="checkbox"/> Archival_date		

- building an interface that facilitates navigation in a potentially unfamiliar domain

- 'I don't know much about the domain, but I can still discover things of interest and make sense of this stuff'

- avoiding the 'zero results' problem

- geared towards non-experts (but not only!)

2) Access: using a Faceted Search interface

amazon.co.uk

Hello Mikele Pasin. We have [recommendations](#) for you. (Not Mikele?)

[Mikele's Amazon.co.uk](#) | [Today's Deals](#) | [Gift Cards](#) | [Gifts & Wish Lists](#)

[Shop All Departments](#) Search All Departments camera

Welcome International Gift Certificates Deals of the Week

Department

Any Department

- Electronics & Photo (168,954)
- Books (105,833)
- Computers & Accessories (8,644)
- MP3 Downloads (7,535)
- Kitchen & Home (7,181)
- Toys & Games (2,557)
- Music (1,185)

+ See All 30 Departments

Delivery Option [\(What's this?\)](#)

Any Delivery Option

FREE Super Saver Delivery

Digital Cameras

Brand

Any Brand

- Canon (295)
- Casio (116)
- FujiFilm (282)
- Kodak (302)
- Nikon (163)
- Panasonic (216)
- Samsung (216)
- Sony (269)

Megapixel


"camera"


Related Searches: [digital camera](#), [pink camera](#), [video camera](#).

Showing 1 - 16 of 306,101 Results

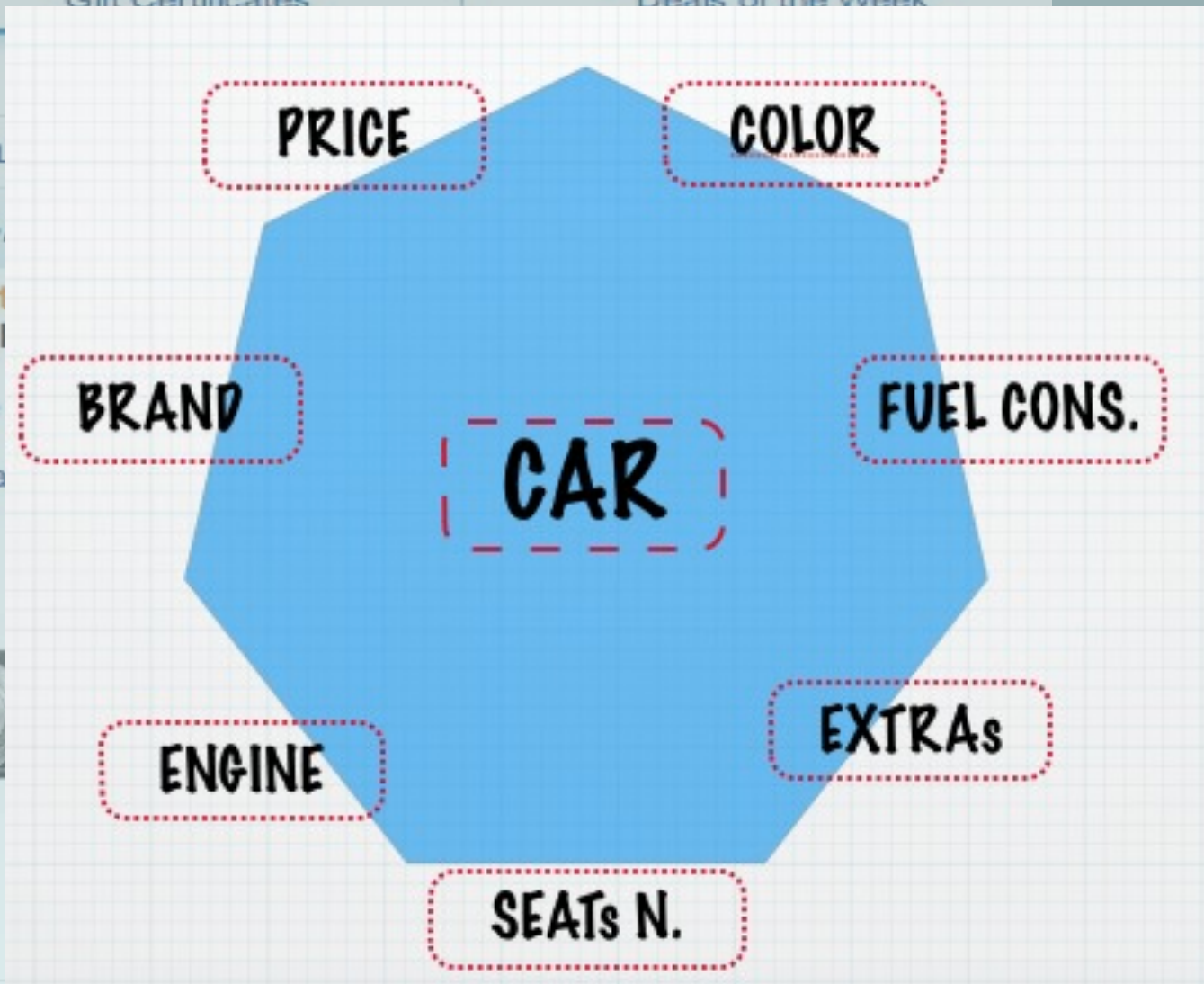
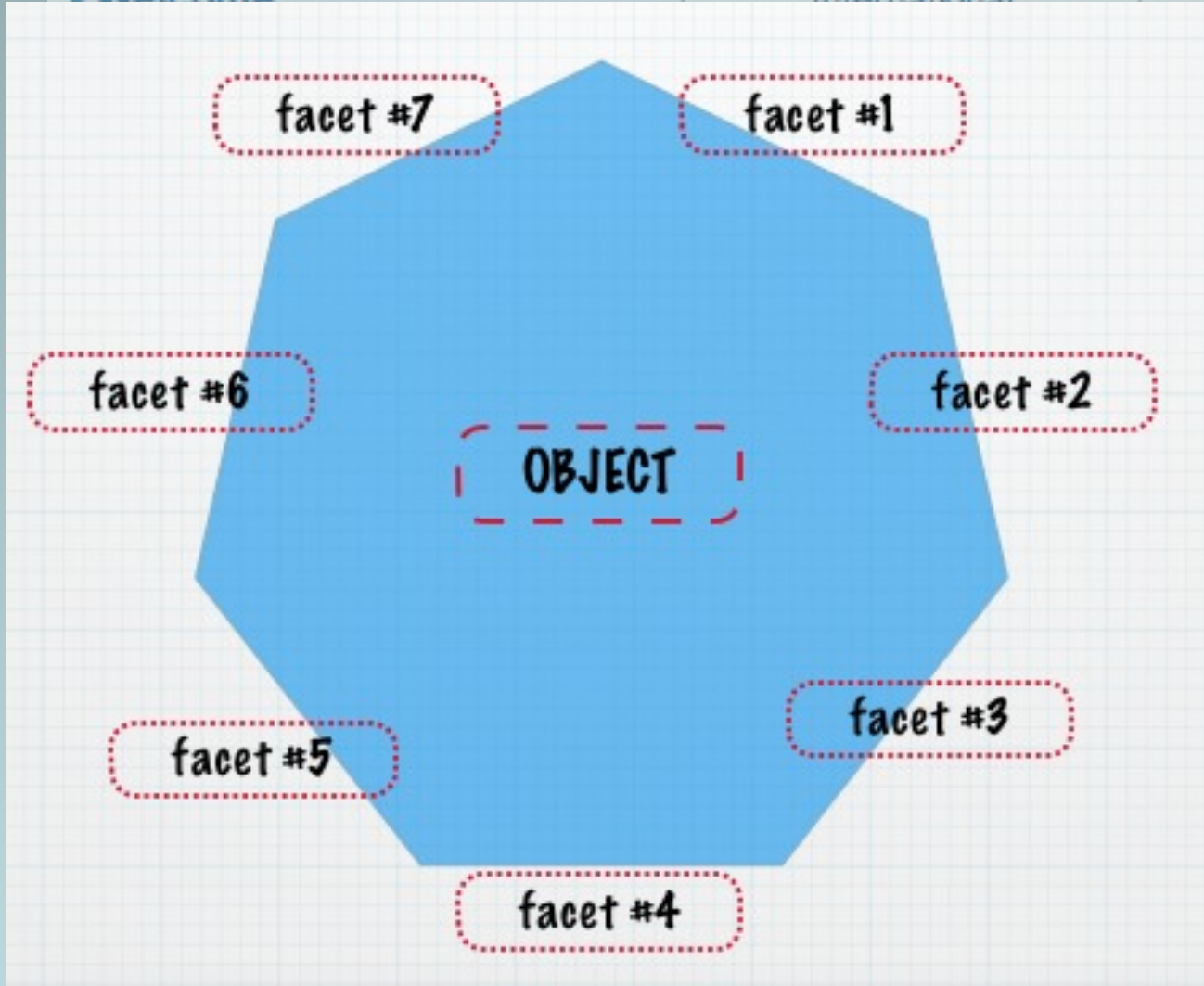
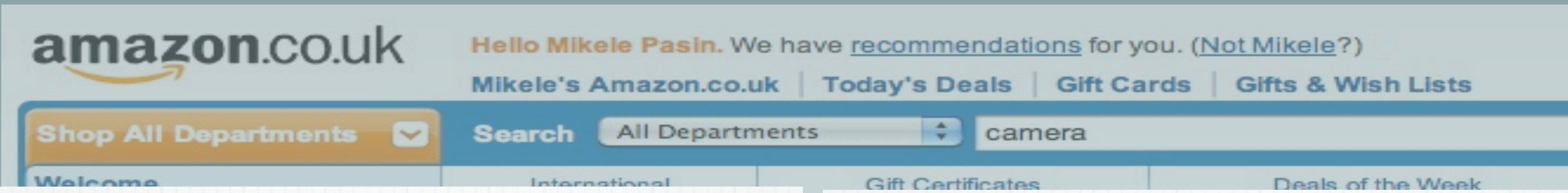
Browse Our Latest Camera Offers

- **Deal of the Week:** Kodak EasyShare M530 **only £59.99** | Toshiba
- **Offers:** Free case with Flip Camcorders – starts February 1st
- **Price deals:** Creative Vado 8GB **only £54.98** - save £125 | Save

1.  **Sony DSCW320B Cyber-shot Digital Camera**
Buy new: ~~£114.49~~ **£97.45**
31 new from £97.45 2 used from £98.00
Get it by **Wednesday, Feb 2** if you order in the
★★★★★ (72)
Eligible for **FREE** Super Saver Delivery.
Electronics & Photo: See all 168,954 items

2.  **Electronics Store**
Digital Cameras
Point & Shoot Digital Cameras
Camera Batteries, Chargers & Power Supplies
Camera & Camcorder Batteries

2) Access: using a faceted search interface



Megapixel

- FujiFilm (282)
- Kodak (302)
- Nikon (163)
- Panasonic (216)
- Samsung (216)
- Sony (269)

2. 

Electronics Store

- Digital Cameras
- Point & Shoot Digital Cameras
- Camera Batteries, Chargers & Power Supplies
- Camera & Camcorder Batteries

2) Access: the faceted browser in EMLoT

KEYWORD SEARCH FACETED SEARCH RECORD

Click a category below to expand it:

DOCUMENT: DESCRIPTION ?

DOCUMENT TYPE ?

DOCUMENT CLASS ?

enter some text to filter

- Anti-theatrical (8)
- Bibliographical (2)
- Biographical (36)
- Civic (36)
- Civil (478)
- Commendatory (1)
- Contractual (47)
- Dramatic (233)
- Ecclesiastical (4)
- Miscellaneous (639)
- Musical (3)
- Parochial (5)
- Personal (37)
- Philosophical (3)
- Polemical (49)
- Political (2)
- Popular (19)
- Religious (1)
- Theatrical (4)

PRODUCTION AUSPICES ?

COUNTRY OF ORIGIN ?

FORGERIES ?

PRIMARY SOURCE DATE

SECONDARY SOURCE DATE

CITATION ?

CITATION TYPE ?

Selected Terms [Remove all](#)

Document: description > none

Citation > none

Event & Person > none

Troupe & Venue > none

Matching Records (1464) [Add selected items](#)

Transcription Records Primary Sources Secondary Sources

Listing items 1 to 50, page 1 of 30

select all/none

SECONDARY SOURCE	AUTHOR(S)	PAGE(S)
<input type="checkbox"/> A Budget of Notes and Memoranda	Halliwell-Phillipps, James Orchard	37-8
<input type="checkbox"/> A Chronicle History of the London Stage, 1559-1642	Frederick Ward	229-13
<input type="checkbox"/> A New Lawsuit about the Globe	Berry, Herbert	161
<input type="checkbox"/> A New Lawsuit about the Globe	Berry, Herbert	161
<input type="checkbox"/> A Select Collection of Old Plays	Dodsley, Robert; Reed, Isaac	197

25 facets divided into 4 groups:

- document description
- citation
- event & person
- troupe & venue

All the facets are always accessible

2) Access: the faceted browser in EMLoT

KEYWORD SEARCH

FACETED SEARCH

RECORD

Click a category below to expand it:

DOCUMENT: DESCRIPTION ?

+ DOCUMENT TYPE ?

+ DOCUMENT CLASS ?

enter some text to filter

- | | |
|------------------------------|------------------------------|
| - <u>Anti-theatrical</u> (8) | - <u>Miscellaneous</u> (639) |
| - <u>Bibliographical</u> (2) | - <u>Musical</u> (3) |
| - <u>Biographical</u> (36) | - <u>Parochial</u> (5) |
| - <u>Civic</u> (36) | - <u>Personal</u> (37) |
| - <u>Civil</u> (478) | - <u>Philosophical</u> (3) |
| - <u>Commendatory</u> (1) | - <u>Polemical</u> (49) |
| - <u>Contractual</u> (47) | - <u>Political</u> (2) |
| - <u>Dramatic</u> (233) | - <u>Popular</u> (19) |
| - <u>Eccelesiastical</u> (0) | - <u>Pre-theatrical</u> (4) |

+ PRODUCTION AUSPICES ?

Selected Terms  [Remove all](#)

Document: description > none

Citation > none

Event & Person > none

Troupe & Venue > none

Matching Records (1464) 

Transcription Records Primary Source

Listing items **1** to **50**, page **1** of **30**

Live preview of
'search success'

SECONDARY SOURCE

AUTHOR(S)

A Budget of Notes and

Halliwell-Phil

2) Access: the faceted browser in EMLoT

Click a category below to expand it:

DOCUMENT: DESCRIPTION ?

+ DOCUMENT TYPE ?

+ DOCUMENT CLASS ?

+ PRODUCTION AUSPICES ?

+ COUNTRY OF ORIGIN ?

enter some text to filter

- [England \(8\)](#)

- [Netherlands \(2\)](#)

Selected Terms [Remove all](#)

Event & Person > none

Troupe & Venue > none

Document: **description** > Document class > **Personal** ✕

Citation > Primary author type > **Editor** ✕

Matching Records (8) [Add selected items](#)

Transcription Records Primary Sources Second

Listing items 1 to 8, page 1 of 1

select all/none

SECTION: **Primary Sources** (8)
 English Professional [Berry, Herbert; Ingram, William; W...](#)
 Theatre, 1530-16...
 English Professional [Berry, Herbert; Ingram, William; W...](#)

Incremental search
through adding/removing
available filters

3) Reuse: the workspace

The screenshot displays a website interface for a digital library. At the top, a navigation bar includes links for Home, Introduction, Search the Database (highlighted), Workspace, Learning Zone, Project Information, and Help. Below this, a secondary navigation bar offers options for KEYWORD SEARCH, FACETED SEARCH (highlighted), and RECORD. The main content area is divided into two columns. The left column, titled 'Click a category below to expand it:', lists four categories: DOCUMENT: DESCRIPTION, CITATION, EVENT & PERSON, and TROUPE & VENUE. Below this list, a section indicates 'You recently used the filters:' followed by a greyed-out area. The right column shows 'Selected Terms' with a 'Remove all' button and a list of selected filters: Document: description, Citation, Event & Person, and Troupe & Venue. Below the terms, it displays 'Matching Records (1464)' with buttons for 'Add selected items to workspace' and 'Go to My Saved Items'. A filter bar at the bottom of the right column includes 'Transcription Records' (selected), Primary Sources, Secondary Sources, People, Events, Troupes, and Venues. A pagination notice states 'Listing items 1 to 50, page 1 of 30' and a checkbox for 'select all/none'.

Home Introduction **Search the Database** Workspace Learning Zone Project Information Help

KEYWORD SEARCH **FACETED SEARCH** RECORD

Click a category below to expand it:

- DOCUMENT: DESCRIPTION ?
- CITATION ?
- EVENT & PERSON ?
- TROUPE & VENUE ?

+ You recently used the filters:

Selected Terms [Remove all](#)

- Document: description > none
- Citation > none
- Event & Person > none
- Troupe & Venue > none

Matching Records (1464) [Add selected items to workspace](#) [Go to My Saved Items](#)

Transcription Records Primary Sources Secondary Sources People Events Troupes Venues

Listing items 1 to 50, page 1 of 30

select all/none

- **Problem:** transforming the website from a static resource, to a platform where new knowledge gets created

3) Reuse: the workspace

The screenshot shows the EMLoT workspace interface. At the top, there is a navigation bar with links: Home, Introduction, Search the Database, **Workspace**, Learning Zone, Project Information, and Help. Below this is a section titled "MY SAVED ITEMS". On the left, there is a search box labeled "Search your Workspace:" with a text input field containing "Enter search terms", a "Go" button, and a "Reset" button. On the right, there is a summary of saved records: "Records Saved" with a red 'x' icon and a link "Remove selected items from workspace". Below this, there are three categories: "Transcription Records (50)", "Primary Sources (0)", and "Secondary Sources (0)". A red text line indicates "Listing items 1 to 50, page 1 of 1". At the bottom, a table of records is visible with columns: "SECONDARY SOURCE", "AUTHOR(S)", and "PAGE(S) / TRANSCRIPT". The table contains two rows: one for "Stage, 1559-1642" and another for "A New Lawsuit about the Globe" by "Berry, Herbert" on page 161.

Home Introduction Search the Database **Workspace** Learning Zone Project Information Help

MY SAVED ITEMS

Search your Workspace:

Enter search terms **Go** **Reset**

Records Saved [Remove selected items from workspace](#)

Transcription Records (50) Primary Sources (0) Secondary Sources (0)

Listing items 1 to 50, page 1 of 1

SECONDARY SOURCE	AUTHOR(S)	PAGE(S) / TRANSCRIPT
Stage, 1559-1642		
<input type="checkbox"/> A New Lawsuit about the Globe	Berry, Herbert	161
<input type="checkbox"/> A Select Collection of Old Plays	Doustey, Robert, Reed, Isaac	197

- **save** items of interest for working with them later

- **organize** EMLoT items into personal **collections**, add **notes** to them

- **publish collections** via the EMLoT website, **share** them with colleagues or students

3) Reuse: the workspace

Matching Records (1464)



Add selected items to workspace



Go to My Saved Items

Transcription Records

Primary Sources

Secondary Sources

People

Events

Troupes

Listing items 1 to 50, page 1 of 30

select all/none

	SECONDARY SOURCE	AUTHOR(S)	PAGE(S) (TRANSCRIPTION RECORD)	PRIMARY SOURCE
<input checked="" type="checkbox"/>	A Budget of Notes and Memoranda	Halliwell-Phillipps, James Orchard	37-8	The True Tragedy of Richard III
<input checked="" type="checkbox"/>	A Chronicle History of the London Stage, 1559-1642	Fleay, Frederick Gard	210-15	TNA: PRO, C2/Jas
<input checked="" type="checkbox"/>	A New Lawsuit about the Globe	Berry, Herbert	161	TNA: PRO, C33/1

3) Reuse: the workspace

EARLY MODERN LONDON THEATRES

Home Introduction Search the Database **Workspace** Learning Zone Project Information Help

MY SAVED ITEMS

Search your Workspace:

Enter search terms

Go

Reset

Records Saved  Remove selected items from workspace

Transcription Records (50) Primary Sources (0) Secondary Sources (0)

Listing items 1 to 50, page 1 of 1

select all/none

	SECONDARY SOURCE	AUTHOR(S)	PAGE(S) (TRANSC
<input type="checkbox"/>	A Budget of Notes and Memoranda	Halliwell-Phillipps, James Orchard	37-8
<input type="checkbox"/>	A Chronicle History of the London Stage, 1559-1642	Fleay, Frederick Gard	210-15
<input type="checkbox"/>			164

3) Reuse: the workspace

EARLY MODERN LONDON THEATRES

Home Introduction Search the Database **Workspace** Learning Zone Project Information Help

MY SAVED ITEMS

Search your workspace

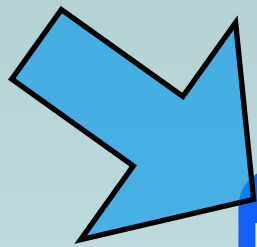
Enter search terms

- we're still testing the most advanced functionalities of the workspace - available in the coming weeks!

select all/none

	SECONDARY SOURCE	AUTHOR(S)	PAGE(S) (TRANSC
<input type="checkbox"/>	A Budget of Notes and Memoranda	Halliwel-Phillipps, James Orchard	37-8
<input type="checkbox"/>	A Chronicle History of the London Stage, 1559-1642	Fleay, Frederick Gard	210-15
<input type="checkbox"/>			164

... thanks!



<http://www.emlot.kcl.ac.uk>

[email me at: michele.pasin@kcl.ac.uk](mailto:michele.pasin@kcl.ac.uk)