Batch It!

A Quicker Way to Bring ETDs into the Bibliographic Utility

Annie Wu
Head, Metadata and Bibliographic Services

Santi Thompson
Metadata Coordinator

2013 TxETDA/USETDA Region 3 Joint Conference

University of Houston

* State Research University established in 1927
* Nearly 41,000 students
* Around 9000 graduate students
* Over 300 degree program through 12 academic colleges: 131 master, 54 research doctorates

UNIVERSITY of HOUSTON
A CARNEGIE-DESIGNATED TIER ONE PUBLIC RESEARCH UNIVERSITY

UH Libraries Theses and Dissertations Collection

* Year started: early 1940s
* Collection size: ca. 20,000 titles (print + electronic)
* UH Libraries currently receive around 500 titles each year
* All the TDs are cataloged
* A copy for general stack and copy for Spec Coll

UH Libraries TD Classification

Thesis Classification

Unversity of Houston theses are classified by three digits number assigned to each college or department.

Format of call number: Thesis + Three Digits Number + Year + .Cutter by Author

Example: Thesis 810 2007.S56 (Thesis by Short, Roberta Harris from UH. Dept. of English in 2007)

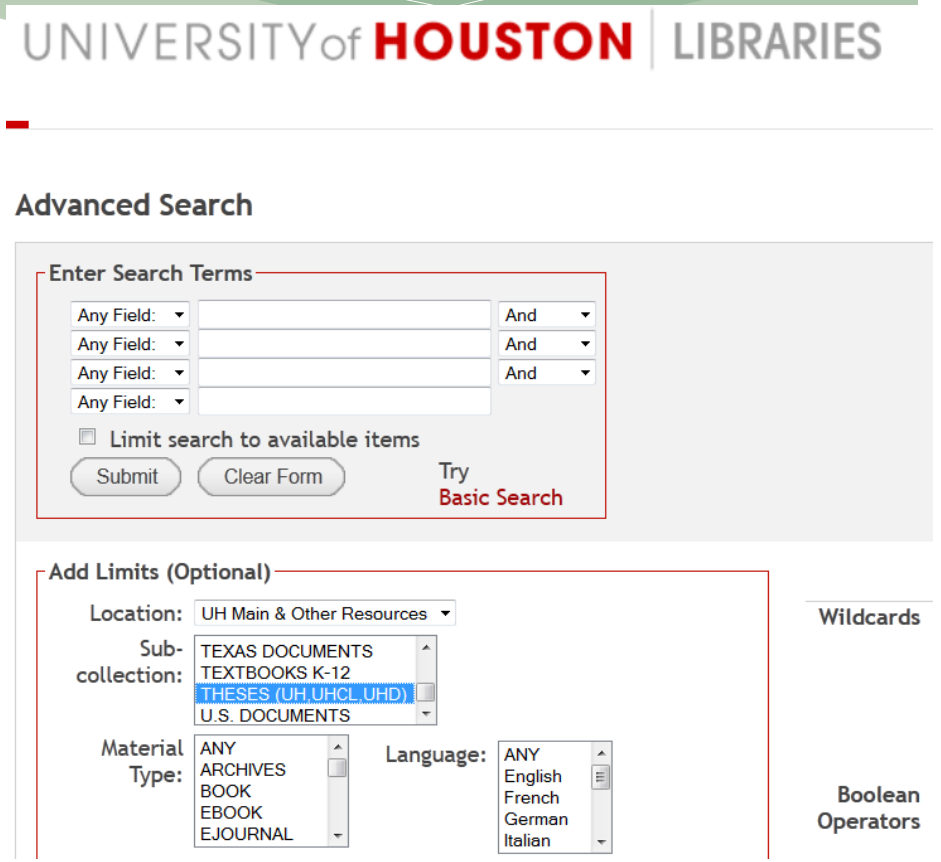
Name of College or Department	Classification	OCLC Constant Data Abbreviation
http://www.bauer.uh.edu/ [College of Business]		
C.T. Bauer College of Business	380	tbusiadm
http://www.coe.uh.edu/ [College of Education]		
Univ. of Houston. College of Education	370	teduc
http://www.class.uh.edu/ [College of Liberal Arts and Social Sciences]		
Univ. of Houston. Dept. of Comparative Cultural Studies.	302	tanthro
Univ. of Houston. School of Art	750	tart

ETDs at UH Libraries

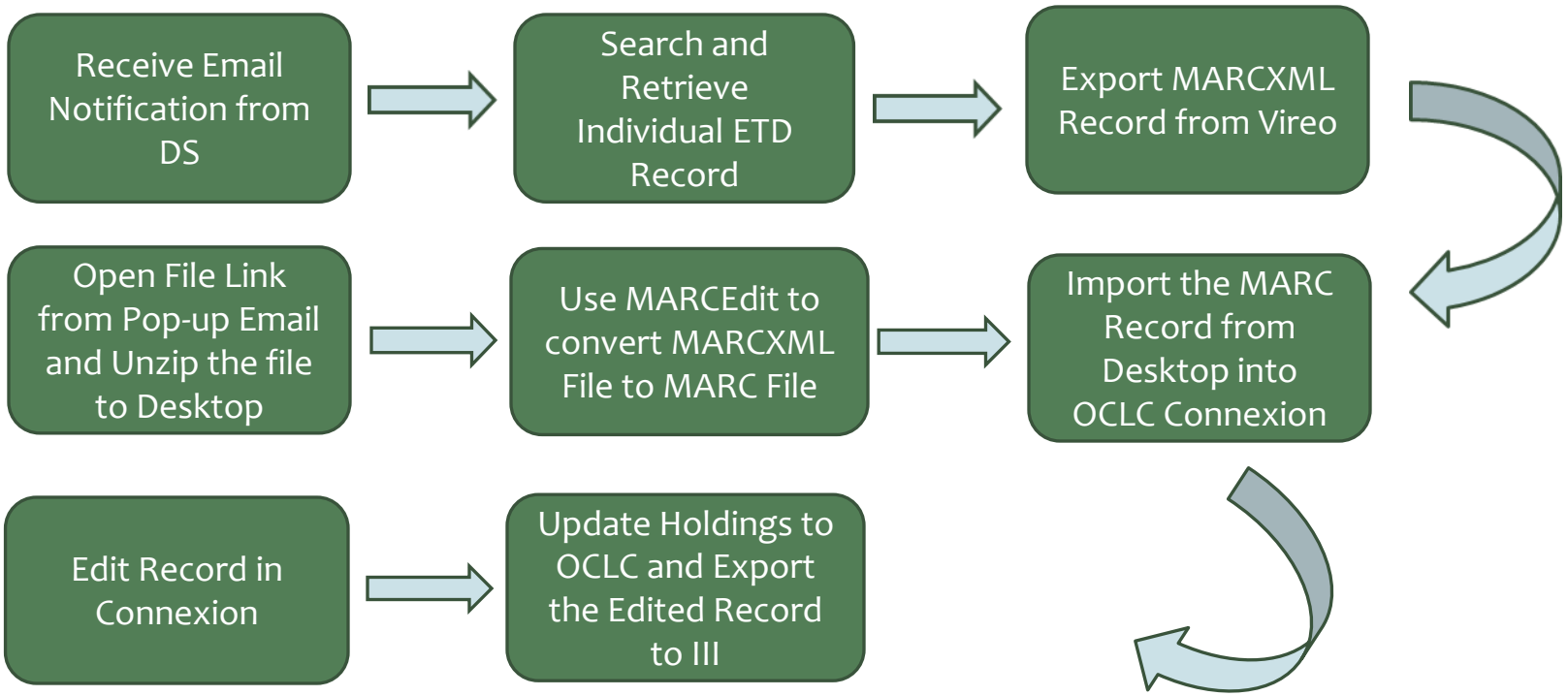
* UH initially had a local ETD repository
* Transitioned to Vireo in 2009
* Uploaded first ETDs to TDL in April 2010
* All colleges in the UH system now uploading to Vireo
* To date, UH has ca. 800 ETDs

ETDs To UH Library Catalog

- Need for greater access – UH discovery tool does not connect to ETD Digital Library – DSpace
- Need for consistent and robust retrieval and repository of print and electronic theses
- Need to share UH ETDs with other access tools: OCLC WorldCat



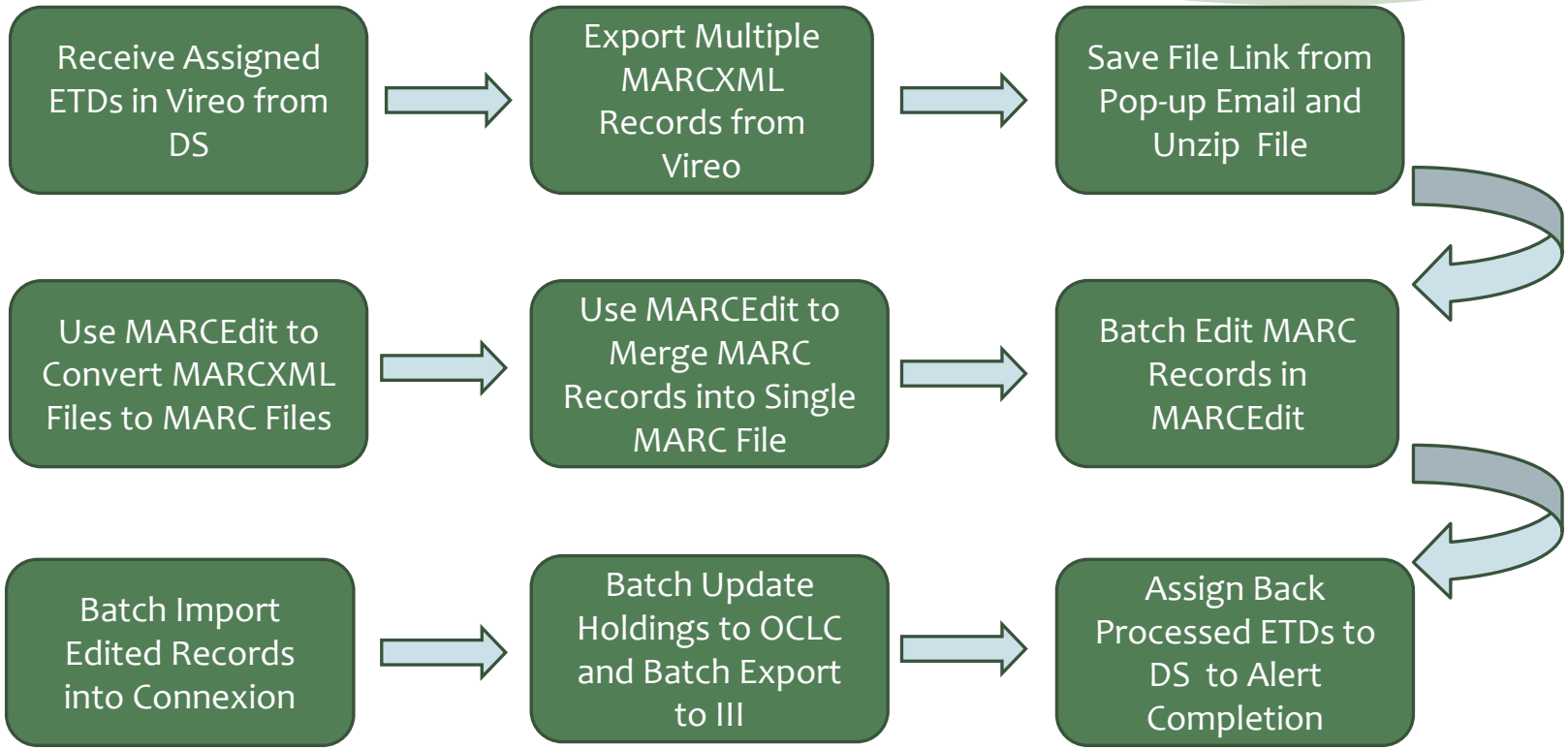
Former Process – Individual Record



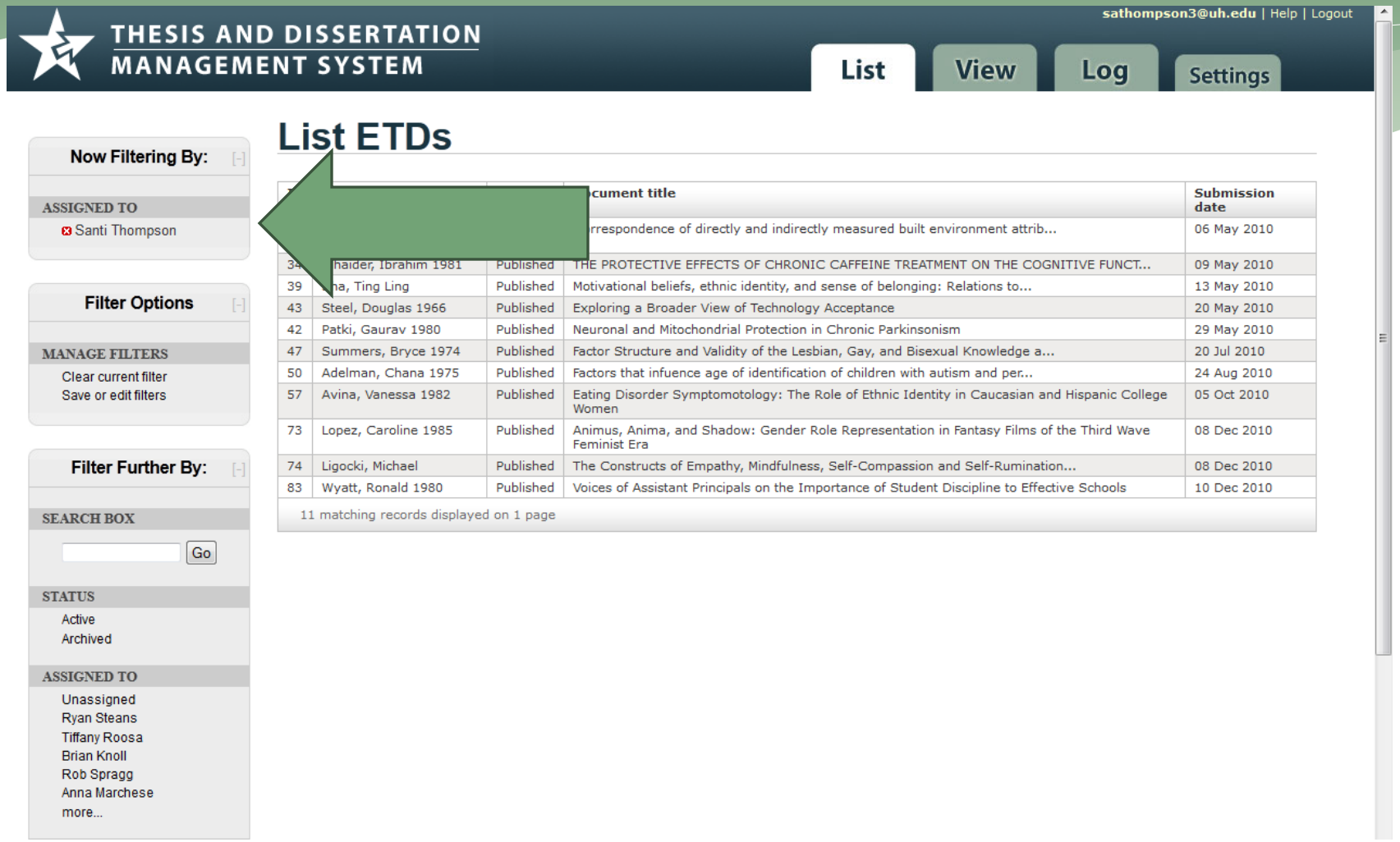
Disadvantage for Individual Record Process

* Vireo staff-side search function is limited - it can retrieve multiple records per search, not just the related single record for us to export
* Not efficient – record by record process

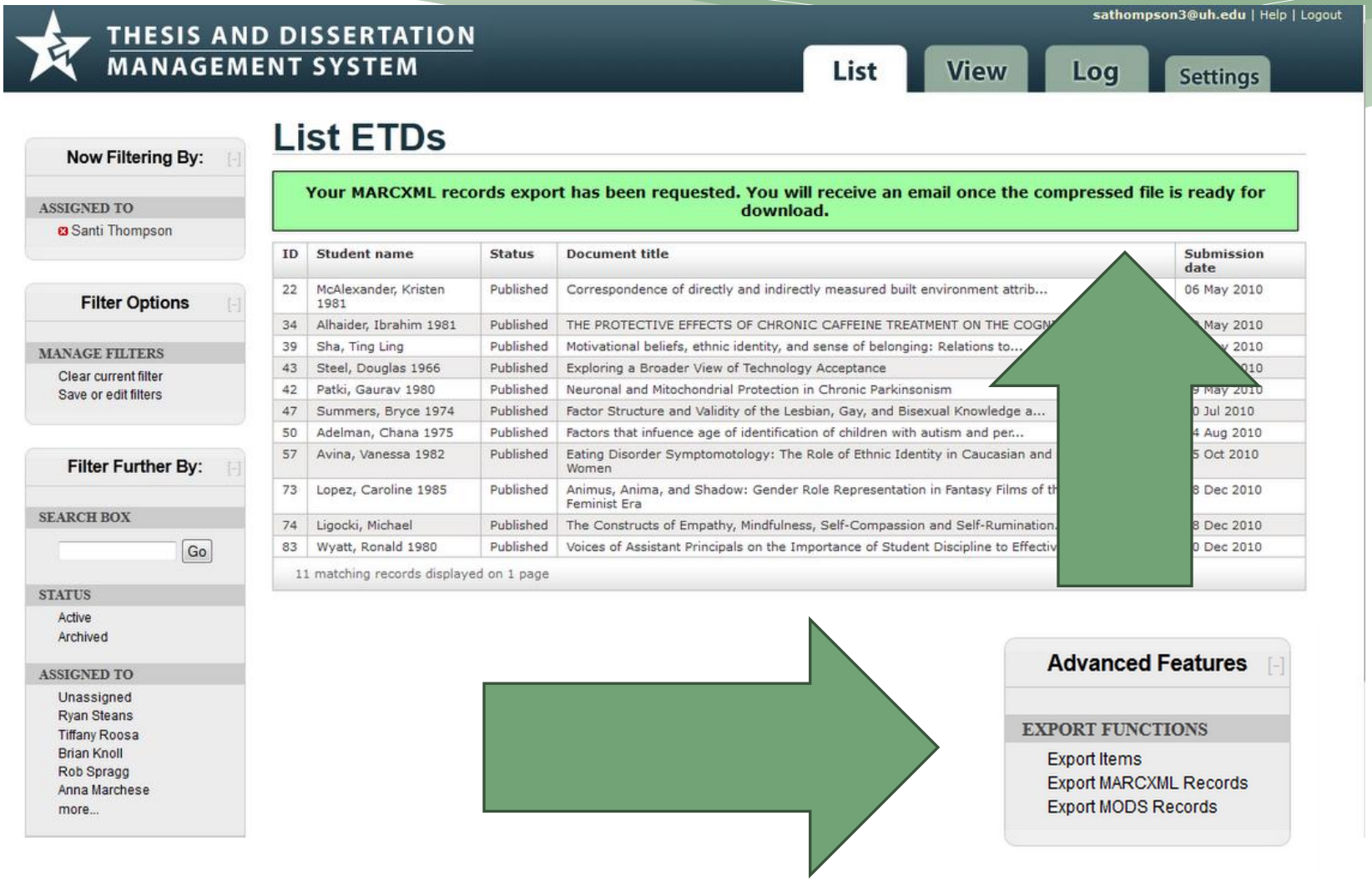
New Process – Batch File



Assigned Records From DS



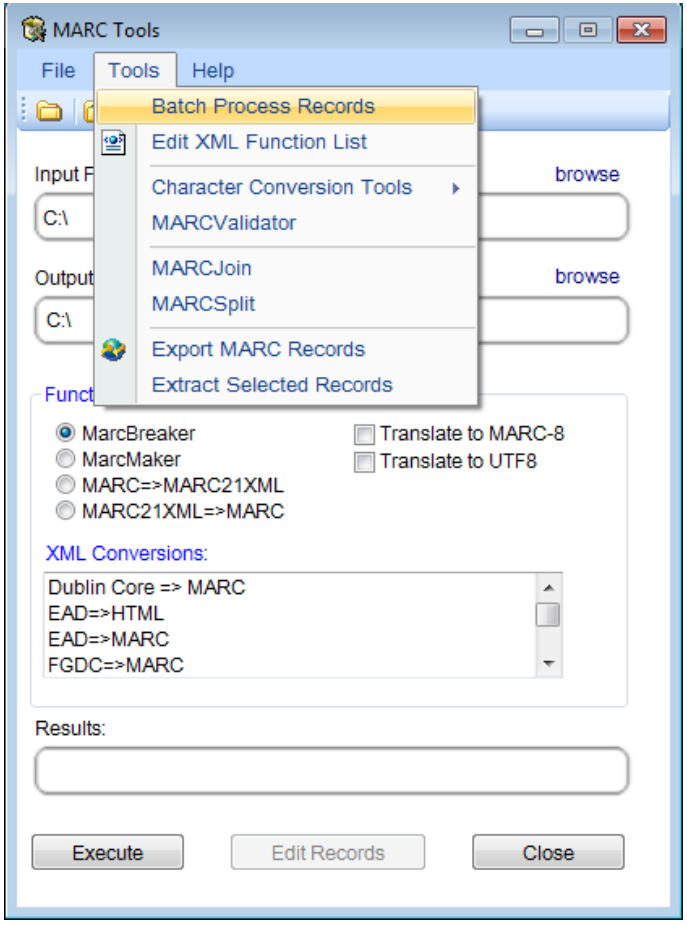
Exporting MARCXML Records

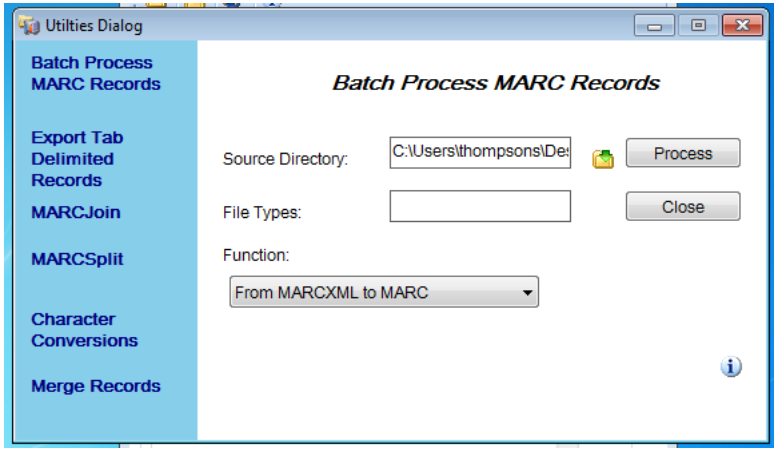


Exported MARCXML Records

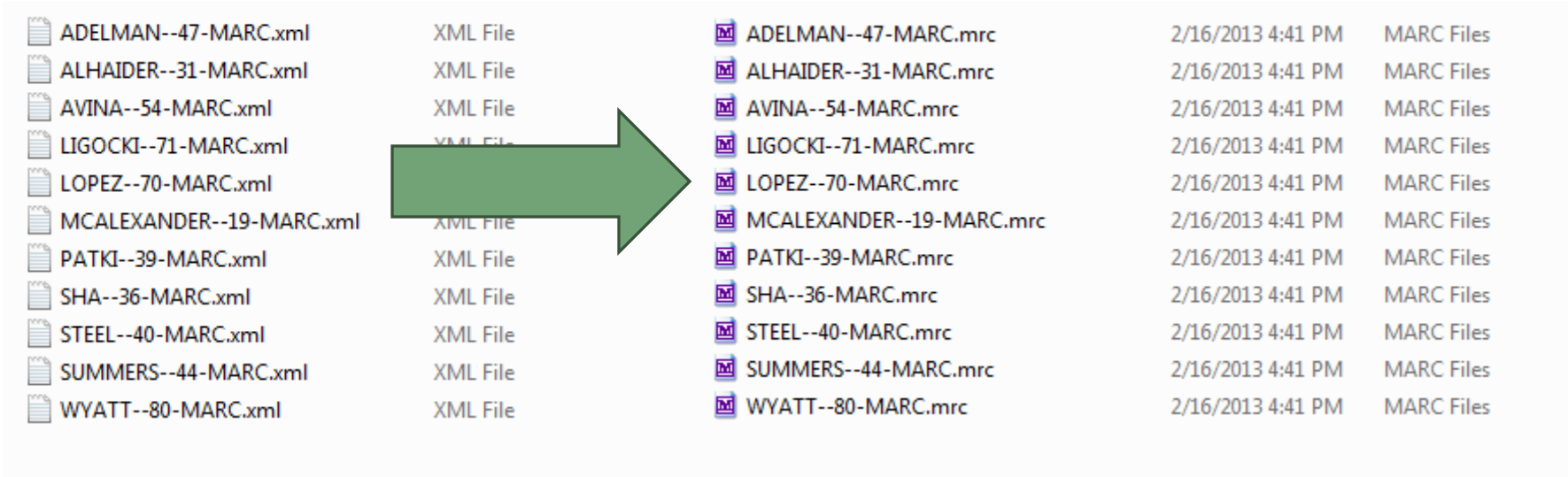
ADELMAN--47-MARC.xml	XML File	4 KB	No	11 KB	73%	2/16/2013 3:58 PM
ALHAIDER--31-MARC.xml	XML File	3 KB	No	11 KB	75%	2/16/2013 3:58 PM
AVINA--54-MARC.xml	XML File	3 KB	No	11 KB	73%	2/16/2013 3:58 PM
LIGOCKI--71-MARC.xml	XML File	4 KB	No	11 KB	71%	2/16/2013 3:58 PM
LOPEZ--70-MARC.xml	XML File	2 KB	No	9 KB	76%	2/16/2013 3:58 PM
MCALEXANDER--19-MARC.xml	XML File	3 KB	No	10 KB	74%	2/16/2013 3:58 PM
PATKI--39-MARC.xml	XML File	3 KB	No	11 KB	74%	2/16/2013 3:58 PM
SHA--36-MARC.xml	XML File	3 KB	No	11 KB	77%	2/16/2013 3:58 PM
STEEL--40-MARC.xml	XML File	3 KB	No	9 KB	74%	2/16/2013 3:58 PM
SUMMERS--44-MARC.xml	XML File	4 KB	No	13 KB	74%	2/16/2013 3:58 PM
WYATT--80-MARC.xml	XML File	3 KB	No	11 KB	74%	2/16/2013 3:58 PM

Batch Convert MARCXML to MARC Records

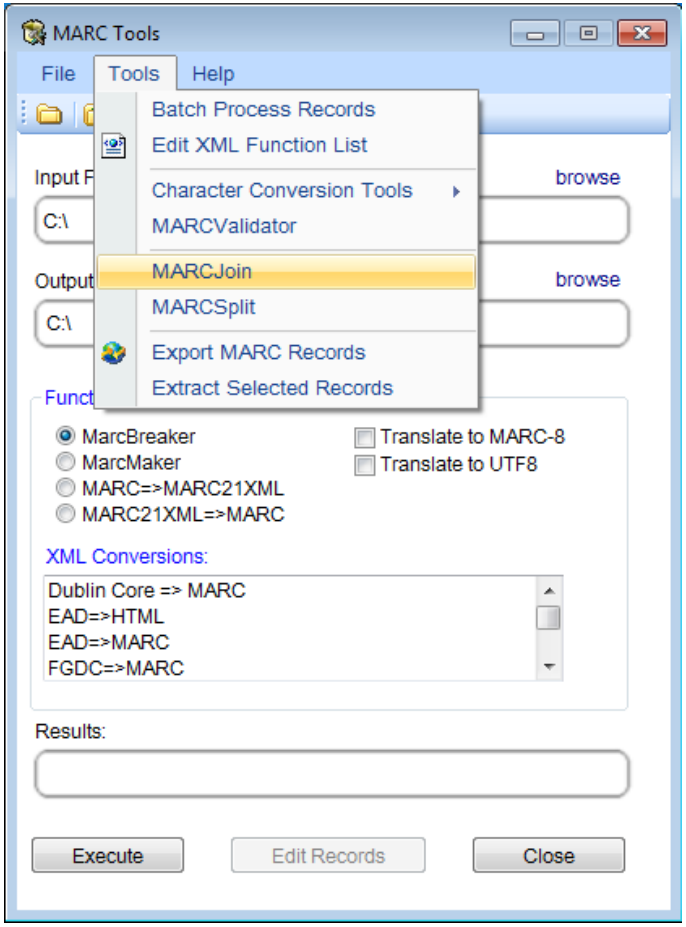


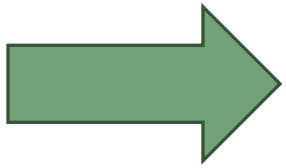


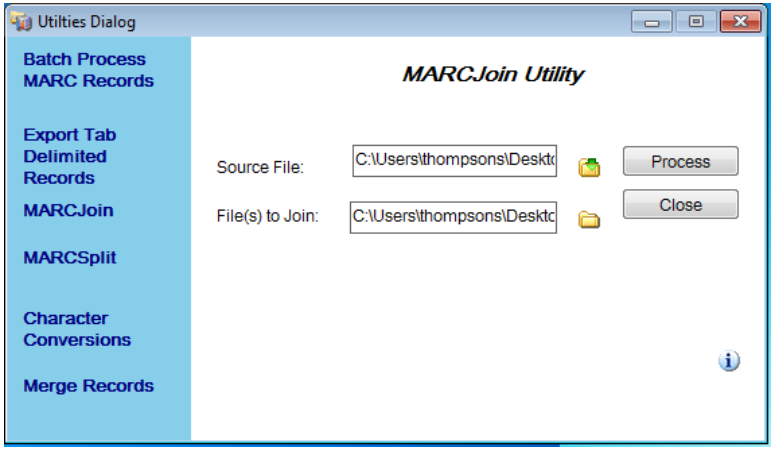
Converted MARC Records



Merge MARC Records Into One File

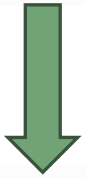






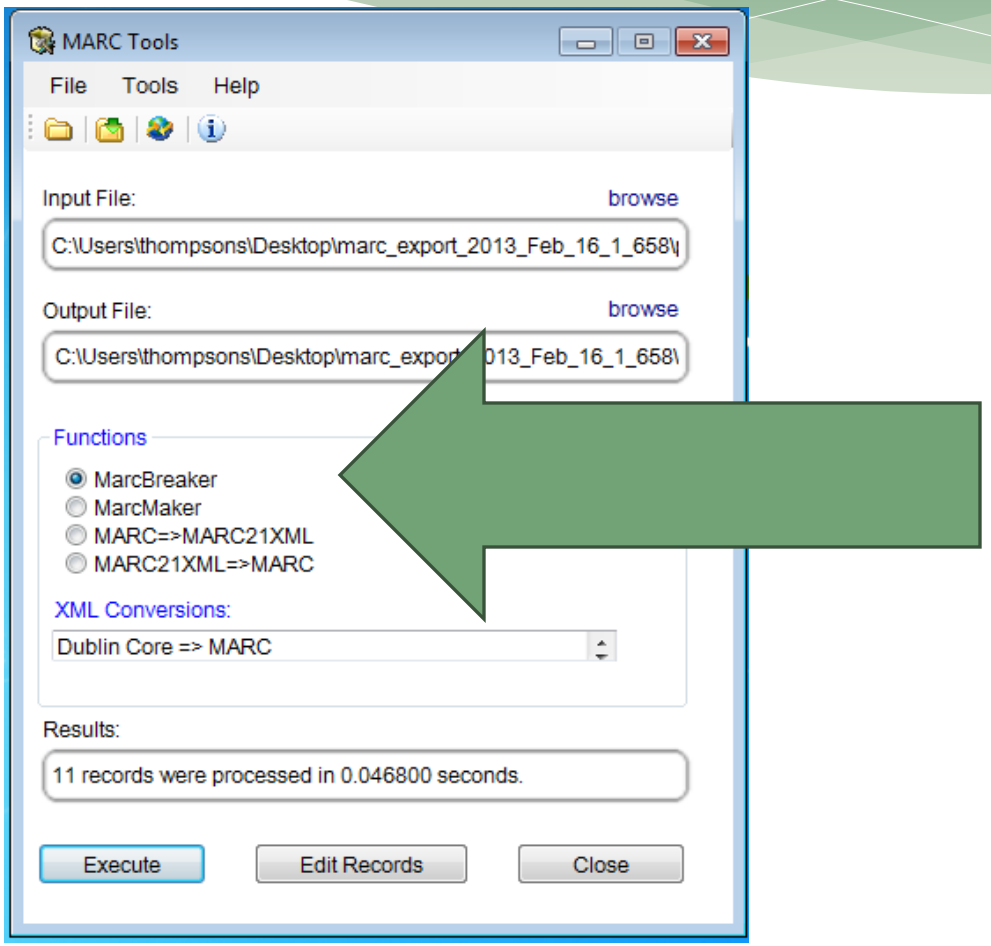
Individual Records to ONE File

ADELMAN--47-MARC.mrc	2/16/2013 4:41 PM	MARC Files	5 KB
ALHAIDER--31-MARC.mrc	2/16/2013 4:41 PM	MARC Files	4 KB
AVINA--54-MARC.mrc	2/16/2013 4:41 PM	MARC Files	4 KB
LIGOCKI--71-MARC.mrc	2/16/2013 4:41 PM	MARC Files	5 KB
LOPEZ--70-MARC.mrc	2/16/2013 4:41 PM	MARC Files	2 KB
MCALEXANDER--19-MARC.mrc	2/16/2013 4:41 PM	MARC Files	4 KB
PATKI--39-MARC.mrc	2/16/2013 4:41 PM	MARC Files	4 KB
SHA--36-MARC.mrc	2/16/2013 4:41 PM	MARC Files	5 KB
STEEL--40-MARC.mrc	2/16/2013 4:41 PM	MARC Files	3 KB
SUMMERS--44-MARC.mrc	2/16/2013 4:41 PM	MARC Files	6 KB
WYATT--80-MARC.mrc	2/16/2013 4:41 PM	MARC Files	4 KB

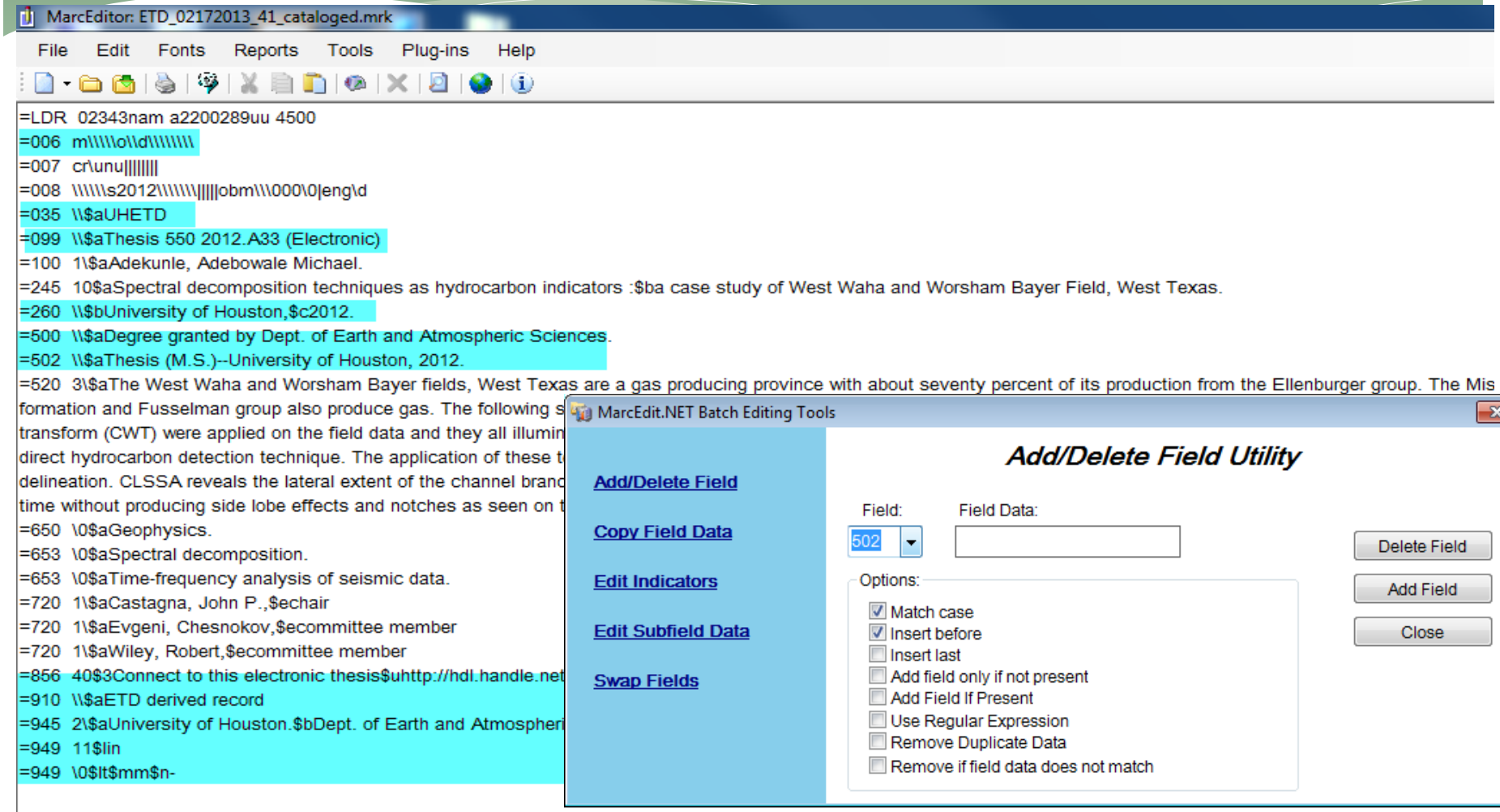


ETD_021613_11.mrc	2/16/2013 5:19 PM	MARC Files	43 KB

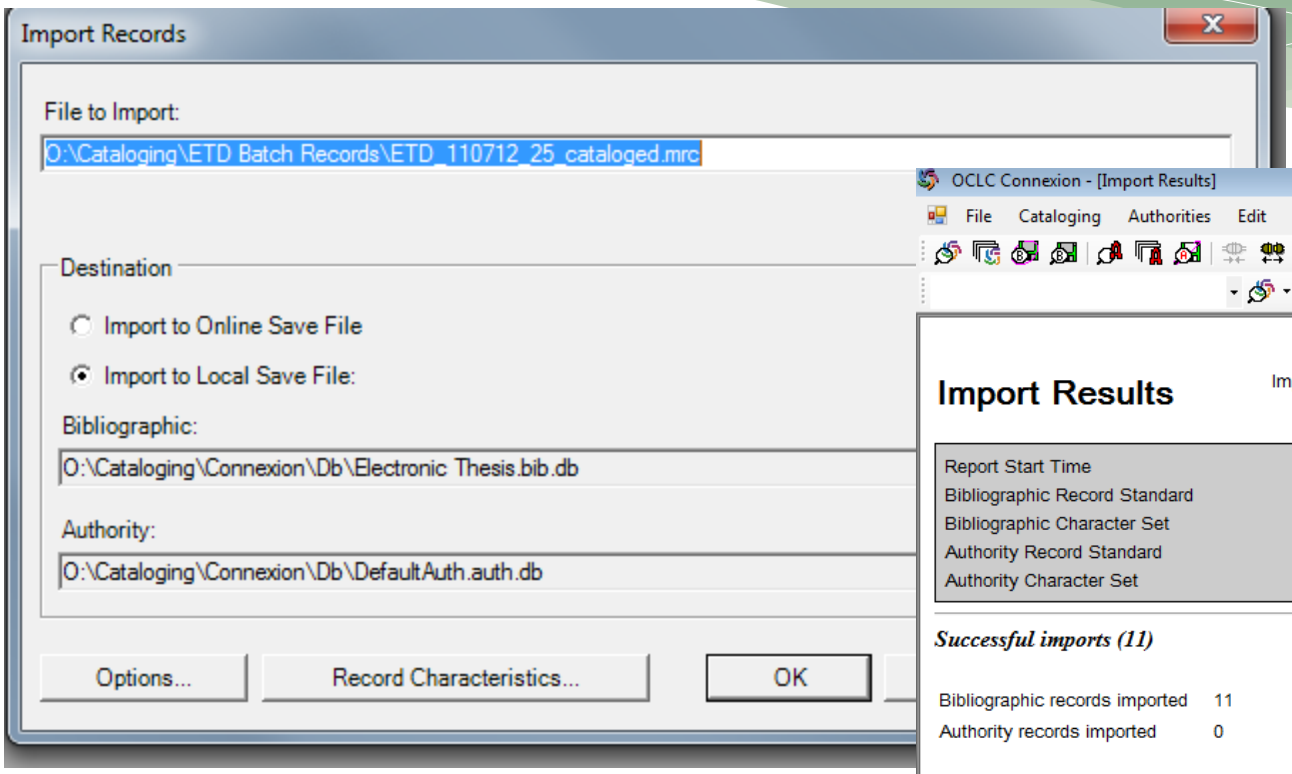
“Break” Merged MARC File

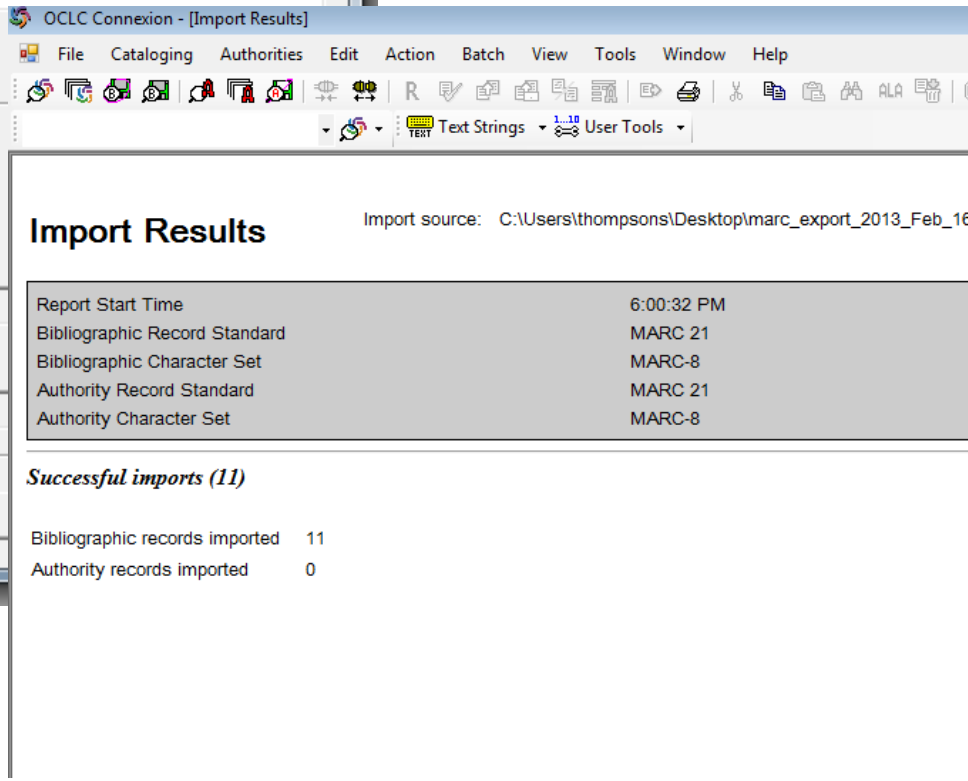


Batch Edit the MARC Records

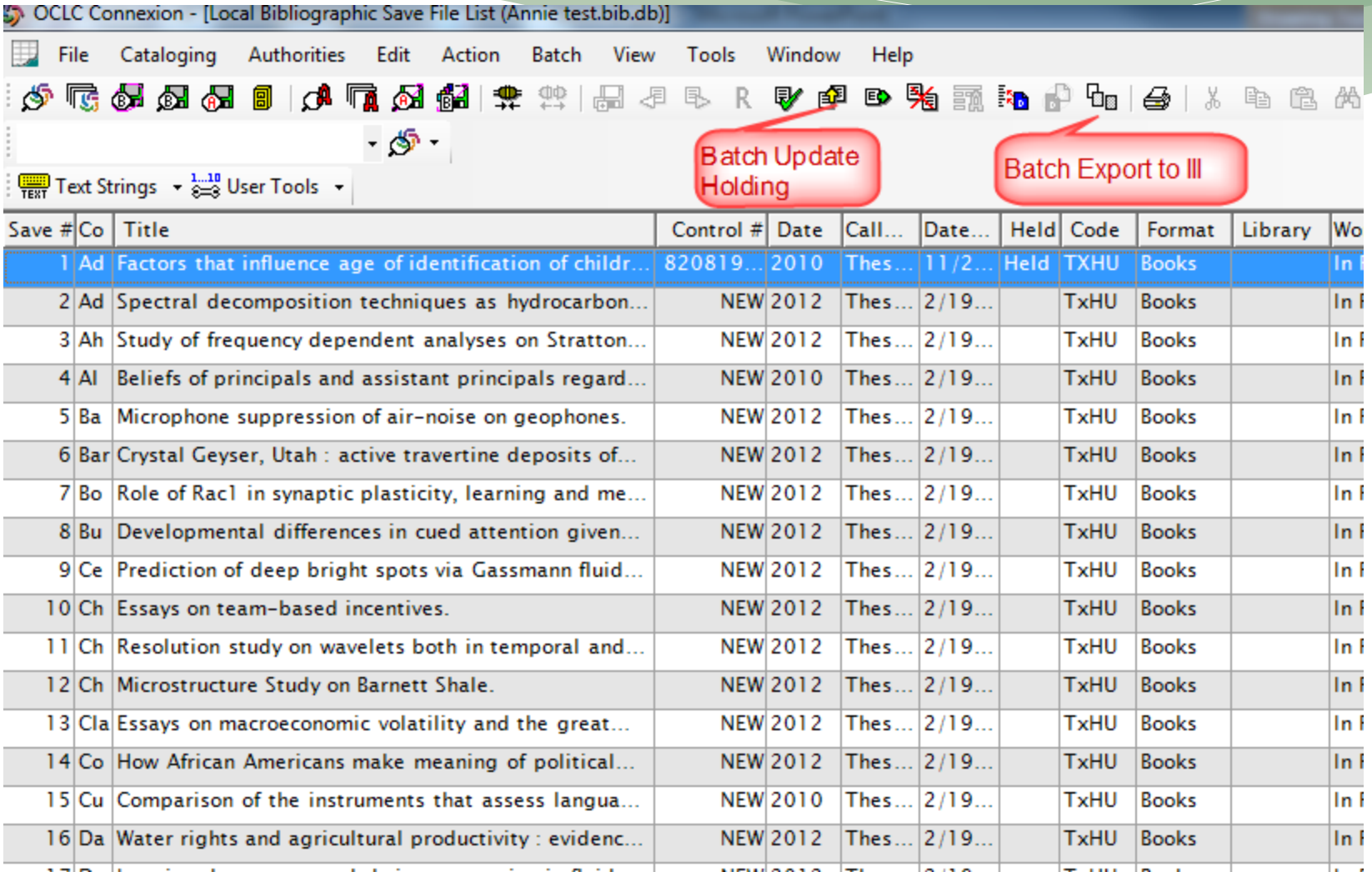


Batch Import to Connexion



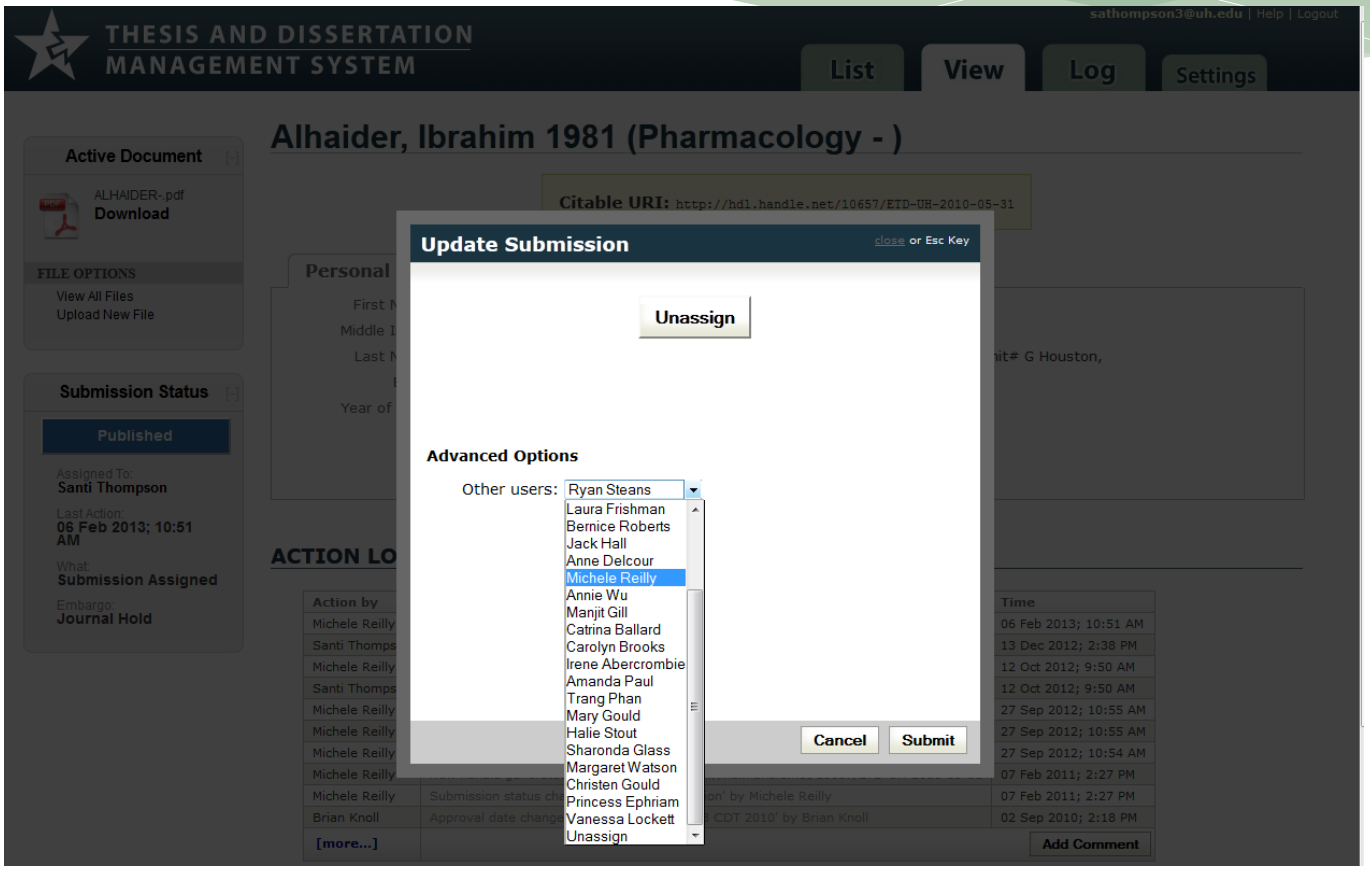


Batch Update Holdings and Export to III



Save #	Co	Title	Control #	Date	Call...	Date...	Held	Code	Format	Library	Wo
1	Ad	Factors that influence age of identification of childr...	820819...	2010	Thes...	11/2...	Held	TXHU	Books		In
2	Ad	Spectral decomposition techniques as hydrocarbon...	NEW	2012	Thes...	2/19...		TxHU	Books		In
3	Ah	Study of frequency dependent analyses on Stratton...	NEW	2012	Thes...	2/19...		TxHU	Books		In
4	Al	Beliefs of principals and assistant principals regard...	NEW	2010	Thes...	2/19...		TxHU	Books		In
5	Ba	Microphone suppression of air-noise on geophones.	NEW	2012	Thes...	2/19...		TxHU	Books		In
6	Bar	Crystal Geyser, Utah : active travertine deposits of...	NEW	2012	Thes...	2/19...		TxHU	Books		In
7	Bo	Role of Rac1 in synaptic plasticity, learning and me...	NEW	2012	Thes...	2/19...		TxHU	Books		In
8	Bu	Developmental differences in cued attention given...	NEW	2012	Thes...	2/19...		TxHU	Books		In
9	Ce	Prediction of deep bright spots via Gassmann fluid...	NEW	2012	Thes...	2/19...		TxHU	Books		In
10	Ch	Essays on team-based incentives.	NEW	2012	Thes...	2/19...		TxHU	Books		In
11	Ch	Resolution study on wavelets both in temporal and...	NEW	2012	Thes...	2/19...		TxHU	Books		In
12	Ch	Microstructure Study on Barnett Shale.	NEW	2012	Thes...	2/19...		TxHU	Books		In
13	Cla	Essays on macroeconomic volatility and the great...	NEW	2012	Thes...	2/19...		TxHU	Books		In
14	Co	How African Americans make meaning of political...	NEW	2012	Thes...	2/19...		TxHU	Books		In
15	Cu	Comparison of the instruments that assess langua...	NEW	2010	Thes...	2/19...		TxHU	Books		In
16	Da	Water rights and agricultural productivity : evidenc...	NEW	2012	Thes...	2/19...		TxHU	Books		In

Assign ETDs Back To DS in Vireo



Batch Process Instructions and Training

* Step by step instructions for the process
* Step by step training with a copy cataloger
* Quality control – review of the batch editing work at early stage

Advantages of the Batch Process

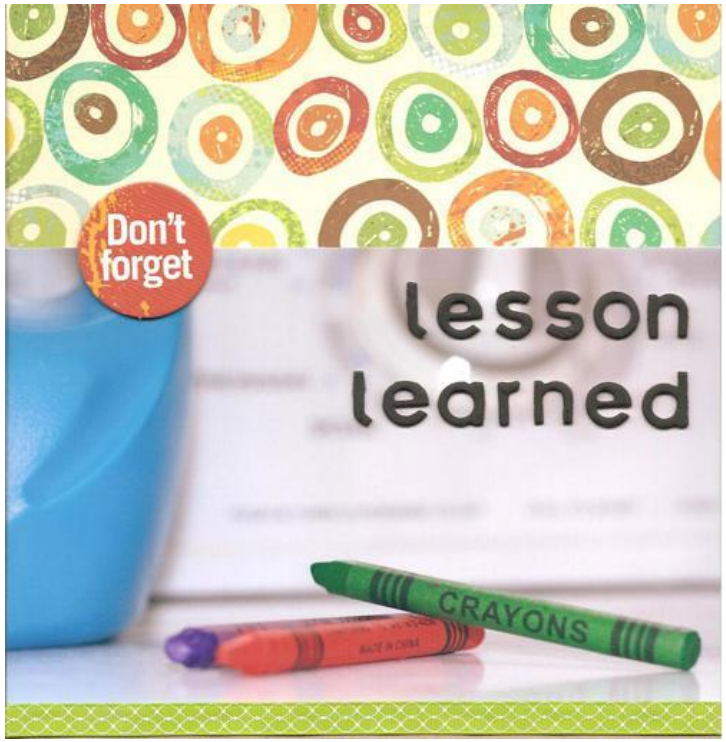
* Batch exporting, conversion and editing of ETDs greatly improve the efficiency of the workflow
* Streamline the process between MBS and DS

Challenges

* Editing of ETDs – quality control
* Batch editing can lead to errors to multiple records
* File naming – need to be consistent

Lessons Learned

* High quality local metadata in Vireo/ETD can greatly reduce the work in batch process
* Good work at the front helps the work at the back (good specifications or guidelines on ETD submission form help!)



Collaboration and Communication

* Workflow involved DS and MBS
* Good policies established between two departments
  * Numbers of ETD in a batch
  * Not mingle new and processed ETDs
  * Communication between two Depts on the status of process

Recommendations for Vireo

* Search function at Vireo staff side can be improved – allow advanced search function
* Export function allows individual record to be exported

Annie Wu

awu@uh.edu

Santi Thompson

sathompson3@uh.edu