

Legislative Assembly of Ontario



Assemblée législative de l'Ontario

USING PARSEHUB TO (HELP) STRUCTURE DATA, SELECT RESOURCES, AND BULK CATALOGUE

PRESENTED BY VICKY LUU
LEGISLATIVE ASSEMBLY OF ONTARIO

GOVERNMENT INFORMATION DAY(S) DECEMBER 13, 2023





AGENDA

Introduction: ParseHub

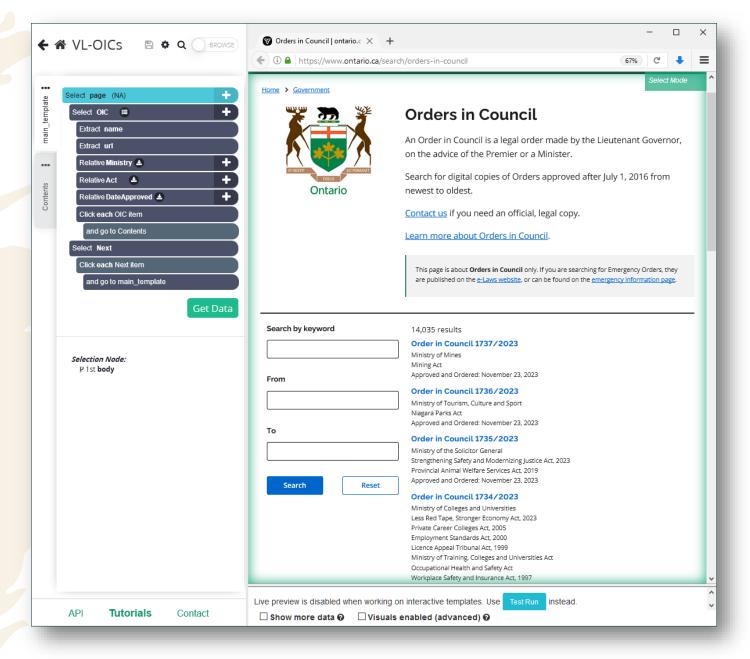
Examples

- Orders in Council selection list
- Bulk/retrospective cataloguing
- Structuring Hansard transcripts



INTRODUCTION: PARSEHUB

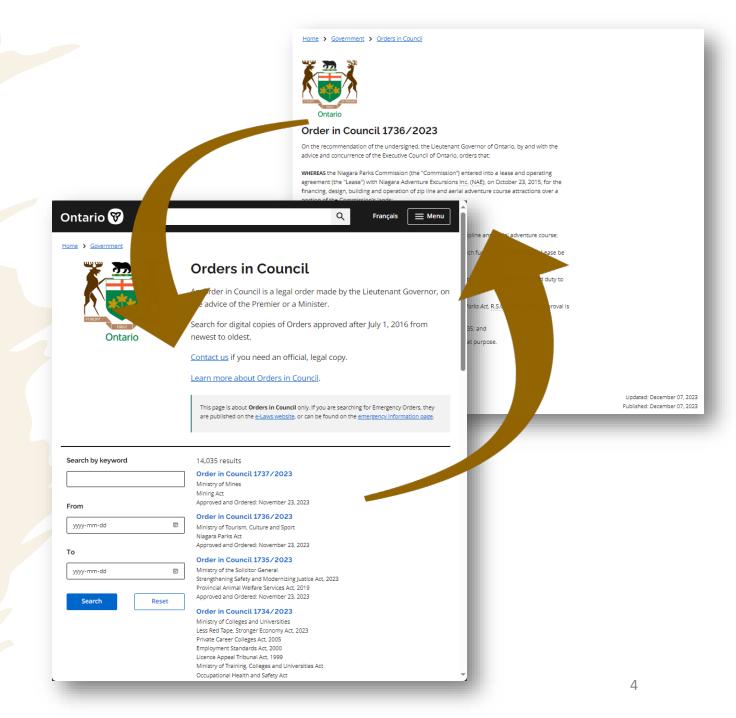
 ParseHub is a web scraping tool that extracts data from websites using machine learning





USING PARSEHUB TO REDUCE REPETITIVE ACTIONS

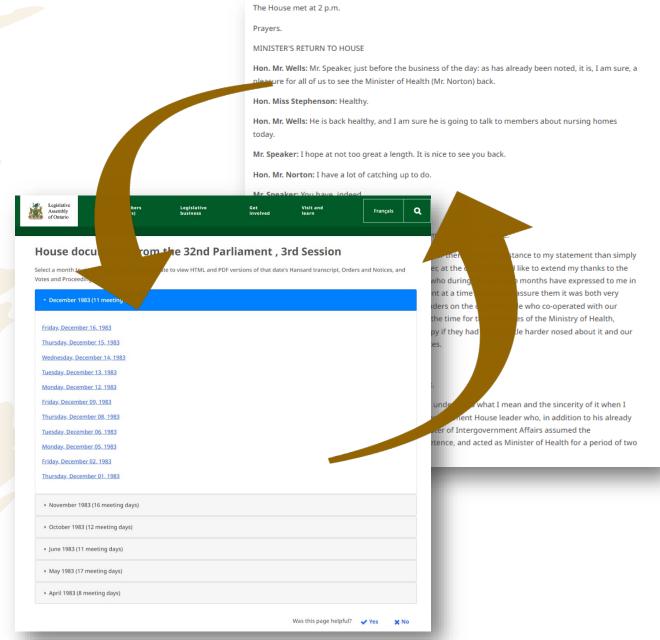
- Have many pages that need to be checked
- So, lots of clicking and back and forth
- Depending on what needs to be done, also lots of copying and pasting





USING PARSEHUB TO REDUCE REPETITIVE ACTIONS

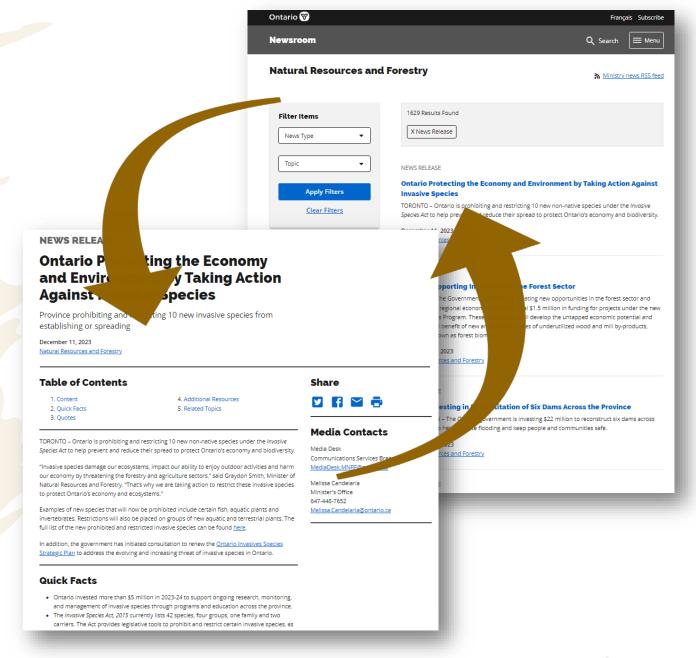
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EXAMPLES



Compile inventory list of Orders in Council to aid selection



Bulk catalogue resources (retrospective cataloguing)

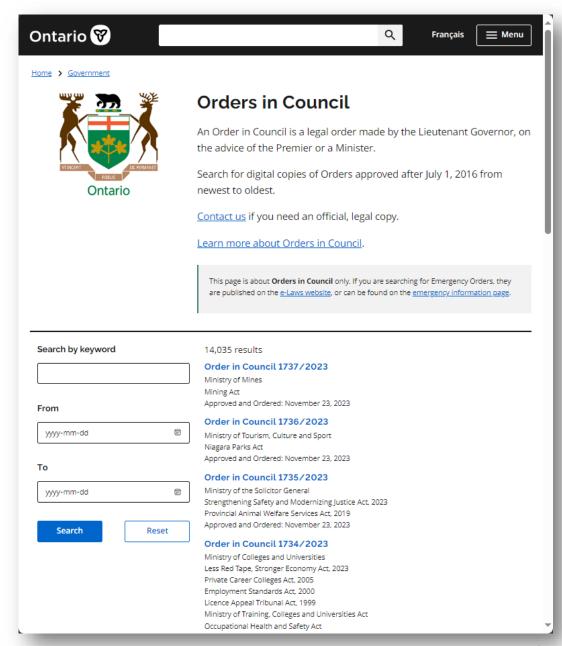


Structure data for Advanced Hansard Search Modernization project



USING PARSEHUB TO SELECT RESOURCES (EX. ORDERS IN COUNCIL)

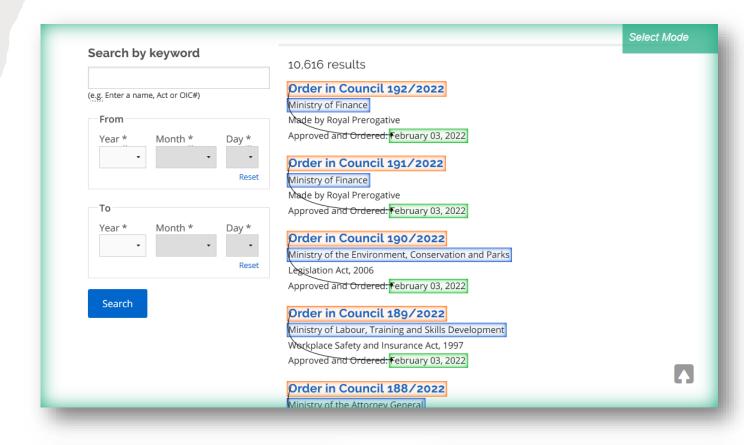
- Metadata Services monitors the Orders in Council (OICs) database
- OICs that meet the Library's selection criteria are requested from Cabinet Office





SETTING UP PARSEHUB

- Takes time, but was easy^{**} to set up
 - Point and click for the most part
- ※ If I run into something I don't know how to do, I can usually find a solution using ParseHub's support page or by contacting them.



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Expression	
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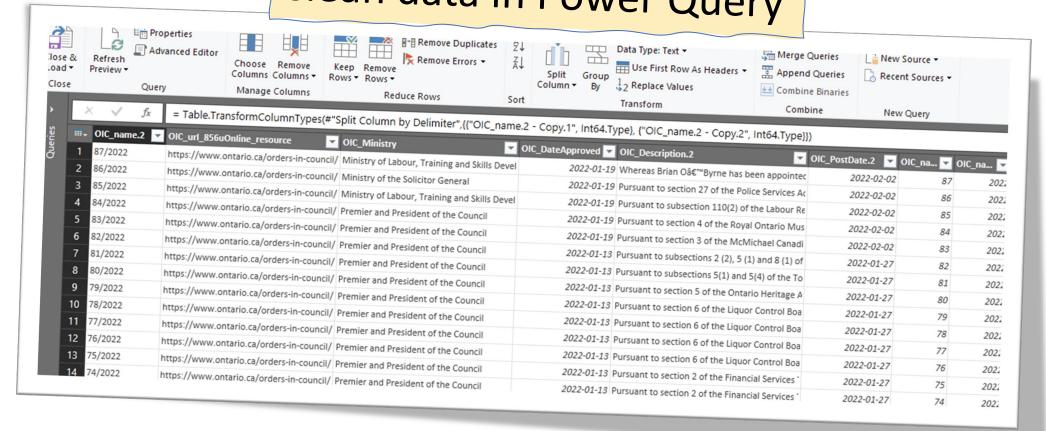
RAW EXPORT – CSV OR JSON file

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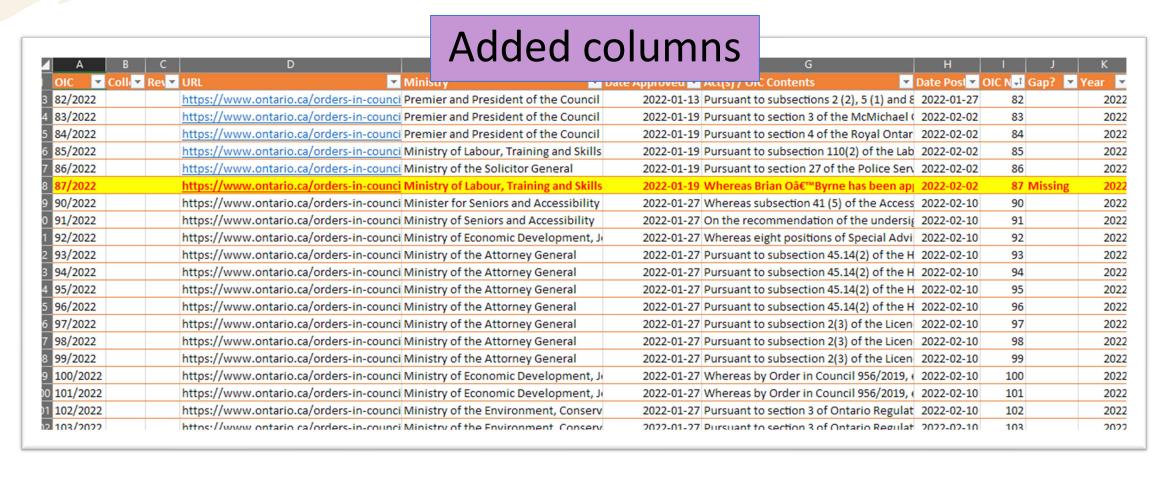
CLEANING THE DATA

Clean data in Power Query





INVENTORY LIST OF ORDERS IN COUNCIL





USING PARSEHUB TO

BULK IMPORT (RETROSPECTIVE CATALOGUING)

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USING PARSEHUB TO STRUCTURE DATA (EX. HANSARD TRANSCRIPTS)

- The Hansard transcript is the official record of House debates
- Hansards usually include:
 - table of contents,
 - transcript of what is said,
 - votes, etc.
- There are approximately 4000 HTML pages on ola.org

The House met at 0900.

The Speaker (Hon. Dave Levac): Please join me in prayer.

Prayers.

ORDERS OF THE DAY

ACCEPTING SCHOOLS ACT, 2012 / LOI DE 2012 POUR DES ÉCOLES TOLÉRANTES

Resuming the debate adjourned on March 26, 2012, on the motion for second reading of Bill 13, An Act to amend the Education Act with respect to bullying and other matters / Projet de loi 13, Loi modifiant la Loi sur l'éducation en ce qui a trait à l'intimidation et à d'autres questions.

The Speaker (Hon. Dave Levac): Further debate?

Ms. Cheri DiNovo: It's an honour and a privilege to stand today to speak about Bill 13.

Quite frankly, this is not a partisan issue. There is, of course, sentiment all around the House that what we want to do and what we stand together on, shoulder to shoulder, as it were, is to keep our children safe, to prevent teen suicide, the kind of occurrence that happened with our friend Jamie and others who have killed themselves because of bullying in their schools. We are speaking really together around this issue.

I want to send some particular notes of respect out to a number of groups: first and foremost, the students themselves—I hosted a presser here with a number of them from our separate school system who came, and I'm going to speak about that in a minute; also to the teachers from all the teachers' unions who have stood up for their students, stood up on behalf of their students very bravely and courageously; and for other organizations like Egale that have been outspoken about this; the Falconer report and others who have pressed this government and pressed all of us to actually take action.

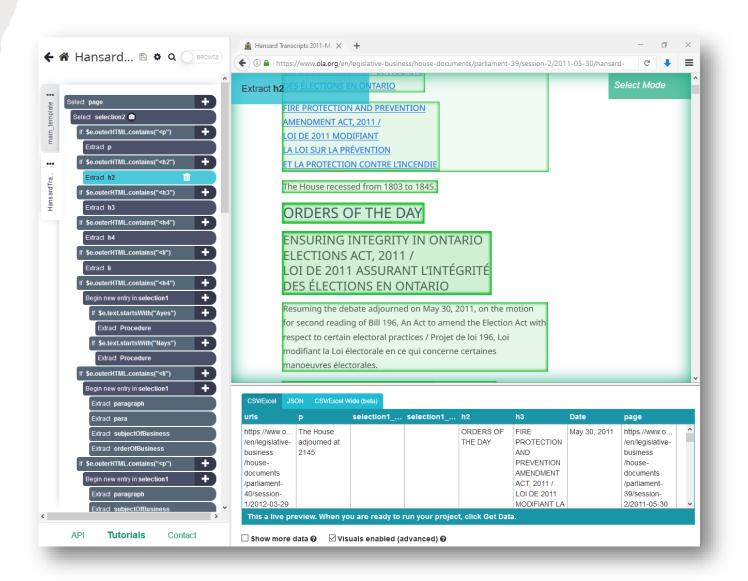
I also want to thank those who have crafted bills; we've seen two of them on this issue. We're looking forward to being in committee to deal with clause-by-clause examination of those bills, because all of this is important. Particular kudos go, I think, to the Ontario English Catholic Teachers' Association, who have been unbelievably brave and courageous in their stance for students.

As I said, I want to mention some students in particular: the students who came to Queen's Park. This was in a presser we just had about a week ago. We had here some incredibly courageous young people. We had Trevor James, who is a straight youth from Peterborough, who "got up at 4:30 a.m. Wednesday and took a two-hour bus ride to Toronto to talk about school clubs for gay students."



SETTING UP PARSEHUB HANSARD TRANSCRIPTS

- Due to slight variations in the HTML code
 - i.e. difference in how h2, h3 headings are coded
- Had to create three different projects



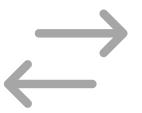


WHAT DID PARSEHUB DO FOR ME?









Automated clicking "Next page" and flipping between pages

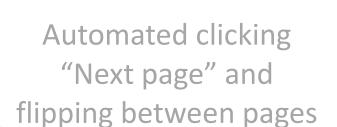
Extracted data from multiple pages into a single file

Organize extracted data into appropriate columns/fields



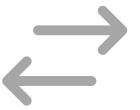
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WHAT DID PARSEHUB DO FOR ME?







Automated clicking on "next page" and flipping back and forth Extracted data from multiple pages into a single file

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... and more!





THANK YOU MERCI

Questions? Comments?

Email: vluu@ola.org