# Broadcasting A/V Data to the SNAC universe (and beyond!) September 19, 2023

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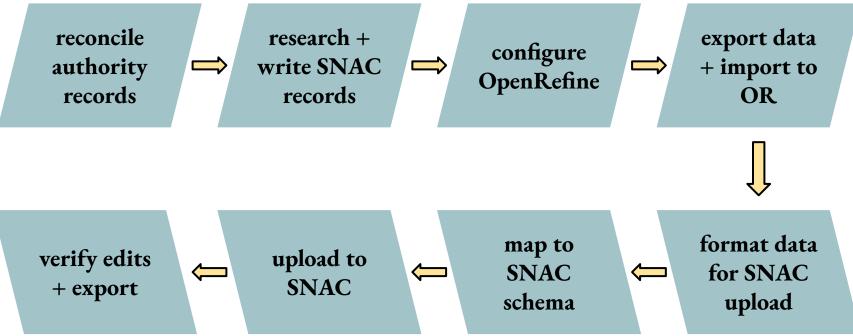
## project background

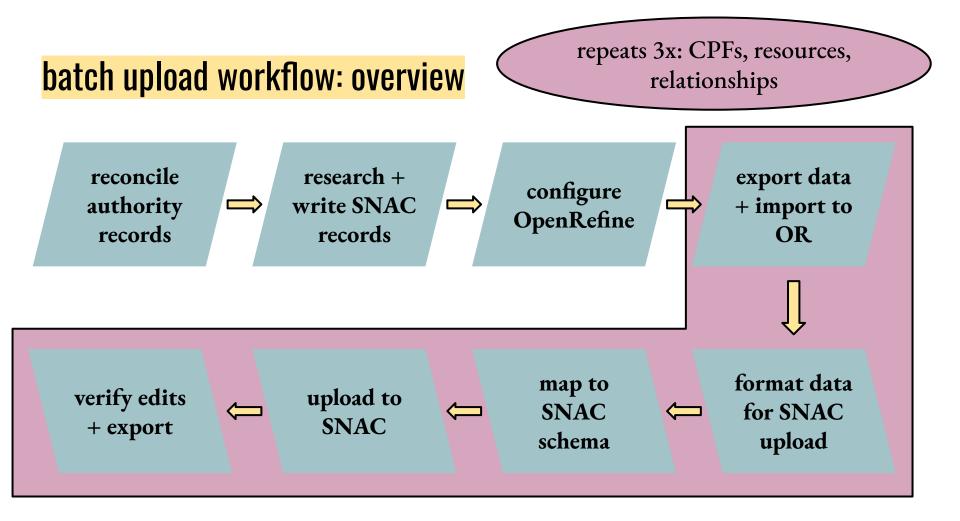
- follow-up project to <u>Unlocking the Airwaves</u> (virtual reunification of NAEB collection)
- centered on archival authorities--aka CPF records, people and organizations, or entities
- goal was to enhance discoverability of authorities and the fully-digitized radio programs in which they appear or helped create
- ✤ 2 sides:
  - project website, with links to other authority records and streaming audio as well as data visualization
  - ➢ linked data on the web--SNAC, <u>Wikidata</u>, and Wikipedia

### two SNAC processes

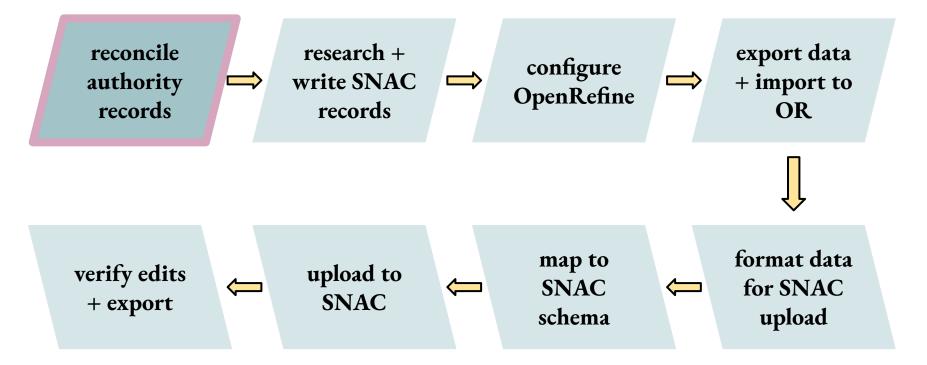
- 1. getting data OUT of SNAC for use on BAVD project website and to know what data to submit back to SNAC
- 2. uploading data TO SNAC using the OpenRefine + SNAC extension to surface authority records of people and organizations in early educational radio to the web

#### batch upload workflow: overview





#### batch upload workflow: reconciling



## batch upload workflow: reconciling

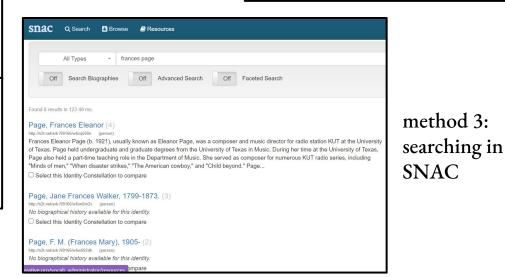
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	Item Discussion			Read	View history	Search	
WIKIDATA	Frances E.	Page (Q113453939)					
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Lexicographical data	Traditional Chinese	No label defined	No description defined				
Create a new Lexeme	Chinese	No label defined	No description defined				
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#### method 1: pull SNAC ID from Wikidata

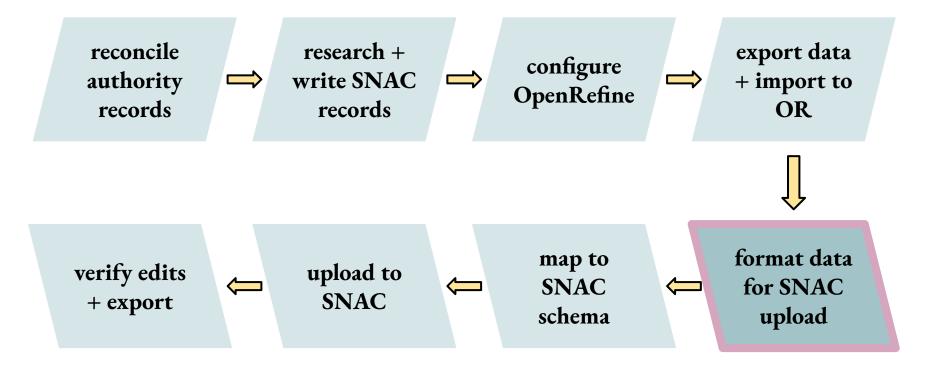
#### **Frances Eleanor Page** composer for radio station KUT

method 2: SNAC
reconciliation in
OpenRefine

Add standard service		
Enter the service's URL		
https://openrefine.snaccooperative.org/		
	Add service	Cance



#### batch upload workflow: OR data formatting



## batch upload workflow: OR data formatting

30 rc	ows											Extensions Wikibase -
Show as:         rows         records         Show:         5         10         25         50         1000         rows         Image: Image												
All	SNAC ID	Entity Type	Linked CPF Authority	Date of Birth	Date of Death	Active Date 1	Active Date 2	Subject(s)	Places	<ul> <li>Occupation(s)</li> </ul>	<ul> <li>Activities</li> </ul>	Biographical or Histor
3.	[Get ID 3]	person	"Bidlack, Cecil S."	July 2, 1903	October 16, 1995			Public broadcasting,Radio,Educational broadcasting,Public radio,Radio broadcasting	Ohio,Columbus (Ohio)	Engineer		 <cicitation> cp-Cecil S. Bidlack was bo 1903. He attended Ohio Sta University, which he gradua in 1925. In 1928, he worked Assistant Announcer and O for WEAO radio station at C University, Bidlack worked a Television Engineer for the Association of Educational Broadcasters from at least 1958. He authored the TVT Tips column in the NAEB's in newsletter, and in 1958 alsc as Editor for the NAEB Eng Newsletter. Bidlack died on 16, 1995.</cicitation>
S 5 4.	[Get ID 4]	person	"Clayton, John Strother"	April 17, 1925	April 25, 2019			Public broadcasting, Radio, Educational broadcasting, Public radio, Radio broadcasting	Chapel Hill (N.C.),North Carolina	Radio Executive		Dr. John Strother Claytc born April 17, 1925 in Arkan began his career in radio wi Forces Radio in France afte War II. Clayton was writer a director for many successfu programs produced by the I of North Carolina around th.

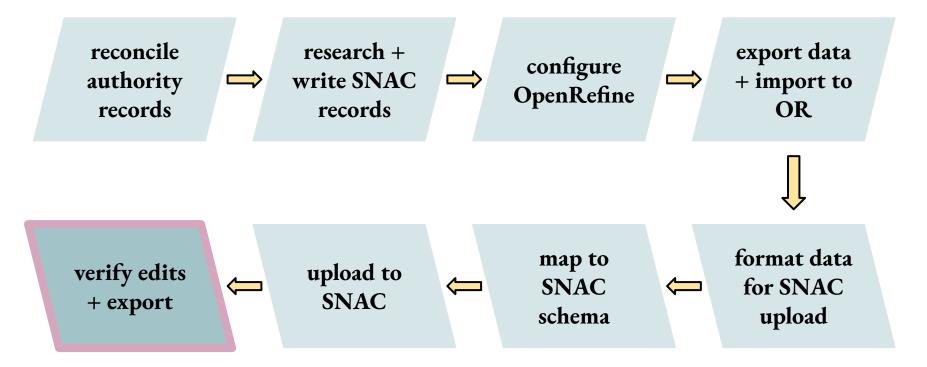
an example starting SNAC CPF dataset in OpenRefine, before data formatting

### batch upload workflow: OR data formatting

	A	D	E	F	G	
1	SNAC OR Schema Field Name	Name Entry	Exist Date	Exist Date Type	Subject	Pla
2	Airwaves Field Name(s)	Linked CPF Authority	Date of Birth; Date of Death; Active Date 1; Active Date 2	Date of Birth; Date of Death; Active Date 1; Active Date 2	Subject(s)	Pla
3	Airwaves Table(s)	SNAC Records	SNAC Records	SNAC Records	SNAC Records	SN/
4	BAVD Field Name(s) <u>SAMPLE</u> DATA	bavdCPF	birthDate; deathDate	birthDate; deathDate	subjects	plac
5	BAVD Table(s)	SNAC Records	SNAC Records	SNAC Records	SNAC Records	SN/
6	Related Fields		Date Type	Date		Pla
7	For Use With	All	All	All	All	All
8	OR Transformations Required	To strip quotes, use this GREL expression: value.smartSplit(",").join("#")		Transpose cells across columns into rows, 2 columns (key: Date Type; value: Date); Then replace field names with "Birth", "Death", or "Active"	Use this GREL expression: value.smartSplit(",").join("#"), then spli multi-valued cells on separator #	Use it valu mul
9	Ordering of actions					
10	Manual Tranformations Required					
11	Example 1	WCAU-TV (Television Station : Philadelphia, Penn.)	1932-03-15	Active	Radio stations	Alal
12	Example 2	Press, O. Leonard	1956	Birth		
13	Example 3	Duquesne University	1968-09	Death		Was
14	Notes	Formatting in Airwaves is aligned with SNAC preferred formattingif entity has LCNAF entry, that formatting can be used and seems to be SNAC aligned as well	All date formats will upload exactly as submitted, no need for reformatting		SNAC now uses FAST-aligned headings, so there should be no subordination/pre-coordination of subject terms. E.g., no "" between terms	Do in A forn
15	Release v1.0.0-beta-18					

data formatting and schema alignment <u>quick reference guide</u>

#### batch upload workflow: exporting IDs



## batch upload workflow: exporting IDs

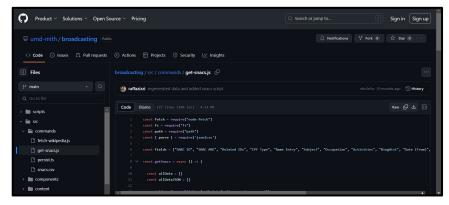
-	0	pe	nRefine	SNAC Reco	ords BAVD SNAC prod Join March2023 csv Perr	nalink		Open Export ▼ Help
>	23	6 r	ows					Extensions Wikibase -
Show as: rows records Show: 5 10 25 50 100 500 1000 rows «first < previous								
•	AII		💌 snacID	💌 entity Type	BAVD SNAC Resource ID (Contributors) (from bavdCPF)	BAVD SNAC Resource ID (ReferencedIn) (from bavdCPF)	BAVD SNAC Resource ID (Creators) (from bavdCPF)	snaclDassociatedWith
							11671797, 11671717, 11671940, 11671950, 11671955	
		5.	87813837	person	11670994, 11671352, 11672402, 11672402			52986448
		6.	87813853	person	11670680, 11670681, 11670682, 11670683, 11670684, 11670685, 11670686, 11670686, 11670687, 11670688, 11670689, 11670690, 11670691, 11670692, 11670693, 11670694			87813909
		7.	87813867	person	11669845, 11670250		11672334, 11672344, 11672344, 11672344, 116723	59459688,13198872
		8.	87813880	person	11671351, 11670357			52986448
			87813894	person	11672249, 11692050, 11672336, 11672336, 11672334, 11672334, 11672334, 11672334, 11672334, 11672354, 11669467, 11669467, 11669471, 11669471, 11669471, 11669473, 11672525, 116699491, 116699465, 116699425, 11669981, 11669983, 11669983, 11669938, 11669948, 11669948, 11669948, 11669941, 11669042, 11670051, 11670015, 11670015, 11670015, 11670015, 11670015, 11670015, 11670015, 11670015, 11670153, 11670045, 11670185, 11670180, 11670180, 116701717, 11670177, 11670145, 11670341, 11670341, 11670243, 11670277, 11670277, 11670341, 11670341, 11670343, 11670243, 11670244, 11670453, 11670347, 11670473, 1167047, 11670449, 11670451, 11670473, 11670477, 11670449, 11670451, 11670451, 11670521, 11670574, 11670544, 11670544, 11670521, 11670574, 11670544, 11670544, 11670521, 11670657, 11670574, 11670544, 11670544, 11670543, 11670651, 11670651, 11670651, 11670653, 11670654, 11670654, 11670453, 11670651, 11670654, 11670654, 11670544, 11670544, 11670524, 11670651, 11670651, 11670651, 11670651, 11670651, 11670651, 11670651, 11670654, 11670654, 11670554, 116			13198872,29231884,12725674
ŝ	5	10.	87813909	corporateBody	11670665, 11670666, 11670667, 11670668, 11670669, 11670670, 11670671, 11670672, 11670673, 11670674, 11670675, 11670676, 11670677, 11670678, 11670689, 11670680, 11670682, 11670687, 11670687, 11670687, 11670687, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670682, 11670688, 11670688, 11670682, 11670688, 11670688, 11670688, 11670682, 11670688, 11670688, 11670688, 11670682, 11670688, 11670688, 11670688, 11670682, 11670688, 11670688, 11670682, 11670688, 116706			

an example starting SNAC relationships dataset in OpenRefine, before data formatting

### batch upload workflow: sticking points

- accidentally duplicating records and their contents
- figuring out unexpected behavior in OpenRefine
- development vs. production SNAC errors FIXED!
- OpenRefine terminology records mode vs. rows mode

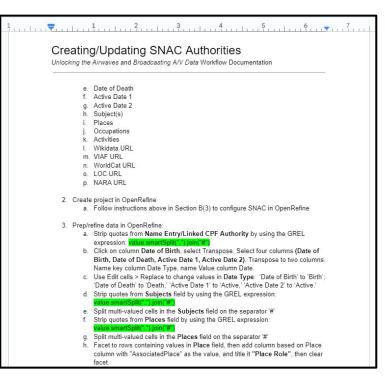
## batch upload workflow: reading the docs



#### SNAC data harvesting script, from workflow

	A	D	E	F	G	н	i.
1	SNAC OR Schema Field Name	Name Entry	Exist Date	Exist Date Type	Subject	Place	Place Role
2	Airwaves Field Name(s)		Date of Birth; Date of Death; Active Date 1; Active Date 2		Subject(s)	Places	n/a
3	Airwaves Table(s)	SNAC Records	SNAC Records	SNAC Records	SNAC Records	SNAC Records	n/a
4	BAVD Field Name(s) SAMPLE DATA	bavdCPF	birthDate; deathDate	birthDate; deathDate	subjects	places	n/a
5	BAVD Table(s)	SNAC Records	SNAC Records	SNAC Records	SNAC Records	SNAC Records	n/a
6	Related Fields		Date Type	Date		Place Role	Place
7	For Use With	All	AI	All	All	All	All
8	OR Transformations Required	To strip quotes, use this GREL expression: value.smartSplit("").join("#")		Transpose cells across columns into rows, 2 columns (key: Date Type; value: Date); Then replace field names with "Birth", "Death", or "Active"	Use this GREL expression: value.smartSplit(",").join("#"), then split multi-valued cells on separator #	Use this GREL expression: value.smartSpil(",").join("#"), then split multi-valued cells on separator #	Facet to rows containing values in field, then add column based on F column with "AssociatedPlace", th clear facet
9	Ordering of actions						After transforming Place field
10	Manual Tranformations Required						
11	Example 1	WCAU-TV (Television Station : Philadelphia, Penn.)	1932-03-15	Active	Radio stations	Alabama	
12	Example 2	Press, O. Leonard	1956	Birth			
13	Example 3	Duquesne University	1968-09	Death		Washington (D.C.)	
14	Notes		All date formats will upload exactly as submitted, no need for reformatting		SNAC now uses FAST-aligned headings, so there should be no subordination/pre-coordination of subject terms. E.g., no "" between terms	Do not use commas when adding places in Airtable; should be RDA-compliant format	
15	Release v1.0.0-beta-18						

#### data formatting and schema alignment guide



creating SNAC constellations workflow

#### <mark>resources</mark>

- Streadcasting A/V Data website: <a href="https://bavd.unlockingtheairwaves.org/">https://bavd.unlockingtheairwaves.org/</a>
- SNAC OpenRefine extension: <u>https://github.com/snac-cooperative/snac-openrefine-extension</u>
- OpenRefine website: <u>https://openrefine.org/</u>
- BAVD documentation hub see docs 9, 12, and 13: <u>https://github.com/umd-mith/broadcasting/tree/main/workflows-docs</u>
- SNAC OpenRefine extension documentation (by SNAC team): <u>https://docs.google.com/document/d/1HjhKHAWXe6Xkh8F-qBnsl-psyaPd2UPBLX2OgaVbA2Q/edit?usp=s</u> <u>haring</u>
- SNAC technical resources hub: <u>https://portal.snaccooperative.org/node/489</u>
- Library Carpentry OpenRefine lesson: <u>https://librarycarpentry.org/lc-open-refine/</u>
- Programming Historian OpenRefine lesson: <u>https://programminghistorian.org/en/lessons/cleaning-data-with-openrefine</u>
- SNAC-dev: <u>https://snac-dev.iath.virginia.edu/</u>
- Sample data:
  - CPFs: <u>https://airtable.com/appMq6PvC5azYIsdt/shr1QKR1k0eGgPI2b/tblQI1mC0vnrEwv2T</u>
  - resources: <u>https://airtable.com/appMq6PvC5azYIsdt/shrhRgNNWR1UewTEJ/tblpppSJiZmbCDWZh</u>
  - join table: <u>https://airtable.com/appMq6PvC5azYIsdt/shrI8TproJdnjHRIh/tblQI1mC0vnrEwv2T</u>

### thank you! + contact info

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