Analyzing Photographs and Interviews: Towards an Analysis Model in Ethnographic Research

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Outline of presentation

- 1. Objectives of the presentation
- 2. The study
- 3. The community
- 4. The methodology: photovoice
- 5. The procedure
- 6. Conclusion

Objectives of the Presentation

- To describe the role of ATLAS.ti in facilitating the analysis of the photovoice data.
- To propose a model to describe, analyze, and interpret photovoice data with ATLAS.ti.
- To reflect upon the integration of the photovoice data into the whole of the analysis of data collected through multiple methods of data collection, within the context of ethnographic research.

The Study

- Study "Managed Migration and the Value of Labor."
- Funded by the National Science Foundation Cultural Anthropology program.
- Co-principal investigator with:
 - Dr. David Griffith (P.I., ECU)
 - Dr. Kerry Preibisch (U. of Guelph), and
 - Dr. Elizabeth Juarez (Colégio de Michoacán)
- Study examines how guestworkers from Guatemala and Mexico who migrate temporarily to Canada and the United States, and the communities in which the live, practice and value their labor.

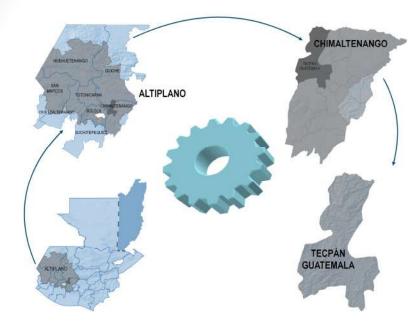
- Data collection in Mexico and Guatemala:
 - Mexico: Sinaloa and Michoacán
 - Guatemala: Chimaltenango and Santa Rosa
- Multi-method ethnographic approach:
 - Informal interviewing
 - Semi-structured interviewing
 - Observation
 - Photovoice
 - Pile sorting
 - Consensus building

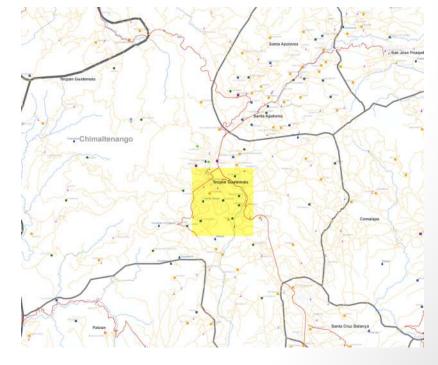
The Community

- Santa Clara, municipality of According to the local Tecpán, department of health center data, ab Chimaltenango
 Santa Clara, municipality of According to the local health center data, ab
- Population: 2,832
- Agricultural community
- Since 1970s, export tradition

According to the local health center data, about 150 people (men mostly) migrate internationally, 70% of whom do it to Canada [data not fully reliable]

The Community





The Methodology

"...a qualitative research method in which the participants use cameras to generate data (....) [thus] directly involving participants in the research process. The photographs generated by participants become central artifacts for discussion in an in-depth interview and or/or focus group" (Novak 2010:292).

"Photovoice is designed to enable people to produce and discuss photographs as a means of catalyzing personal and community change" (Wand and Pies 2008:184)

Method closely related to the tradition of participatory action research, particularly in health. Participatory and action-oriented in the sense that community members conduct data collection and that the process of taking photographs and reflecting upon them through interviewing is conducive to constructive reflection in the tradition of Freire's critical education.

The methodology: Photovoice procedure

- Two communities in Guatemala
- Cameras given to six people (3 women and 3 men), in each community
- 26-29 photographs each household

- Total of 160 pictures in one community and 167 in the other
- Focus on daily work activities of members of the household
- Thematic analysis with the assistance of ATLAS.ti

Steps of the Process with ATLAS.ti Step 3 B. Step 2. **Description of** Step 1: PD Step 4. Making Construction Step 3 A. how families and Add sense of the of the Description of participants super families the content of documents conceptual signify and photovoice with photo value the structure photographs data and audio PDs (deductive) content of photographs

Step 1. Primary document (PD) organization into families and super families

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DPV-Audio-Altiplano-	1	Ricar	10/14	10/14	
DPV-Audio-Altiplano-	1	Ricar	10/14	11/19	
DPV-Audio-Oriente-	1	Ricar	11/01	12/04	
DPV-Audio-Oriente-	1	Ricar	11/01	12/04	
DPV-Audio-Oriente-	1	Ricar	11/01	12/04	
DPV-Audio-Oriente-C	1	Ricar	11/01	12/04	
DPV-Audio-Oriente-	1	Ricar	11/01	12/04	
DPV-Photo-Altiplano-	28	Ricar	10/13	11/17	
D PV-Photo-Altiplano-	24	Ricar	10/13	11/20	
DPV-Photo-Altiplano-	26	Ricar	10/13	11/21	
DPV-Photo-Altiplano-	26	Ricar	10/13	11/19	
DV-Photo-Altiplano-	27	Ricar	10/13	11/19	

- A. Group PDs into families:
 - 1. Audio PDs by site
 - 2. Photo PDs by site

B. Create Super PD
Families: audio and
photo PDs by site

C Primary Doc Family Manager [HU: Value of Labor]				
Families Edit Miscellaneous View				
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🖸 *PV-Audio-Altiplano-F + PV-Photo-Altiplano-F	25	Ricardo	10/14	10/14
🔯 *PV-Audio-Altiplano-I + PV-Photo-Altiplano-I	27	Ricardo	10/14	10/14
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🖸 *PV-Photo-Altiplano- + PV-Audio-Altiplano-	27	Ricardo	10/14	10/14
🖸 *PV-Photo-Altiplano- + PV-Audio-Altiplano-	30	Ricardo	10/14	10/14

Step 1 (continued). Using global filters for Super PD families in preparation for data exploration



A global filter is set for the Super PD family whose photo and audio documents will be analyzed. This PD family corresponds to a household as a unit of analysis. The photos of one household should be fully described and analyzed before starting the process with the data from another household.

Step 1 (continued). Visualization of photo PDs as tiles



P194: R2-06117-007A.jpg {1}~ Type: Image

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Tile view of photo PDs, extra large size



P195: R2-06117-009A.jpg {1}~

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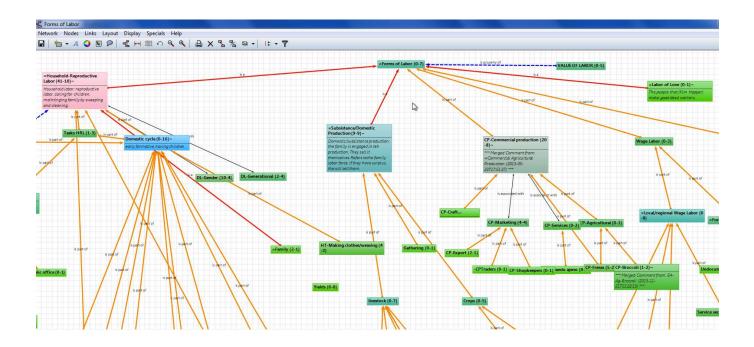
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This facilitates the process of selection of photo PDs. A necessary prior step is to set a global filter for the Super PD family corresponding to the household whose photos and interview (audio PD) will be analyzed.

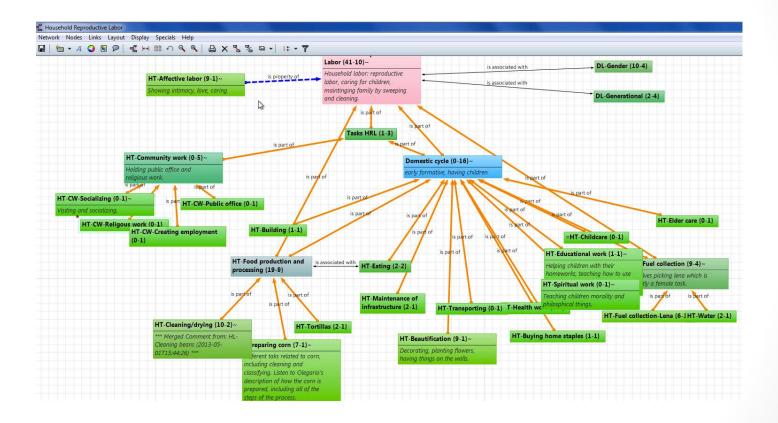
Step 2. Construction of Conceptual Framework

- Concept map. Using the code-to-code network tool, create a semantic concept map representing the conceptual framework that will be guiding data exploration. In this case, a framework representing different forms of labor. Deductive process but informed throughout by findings. Thus, ultimately, there is a deductive-inductive dialogue.
- **Purpose of concept map**. The resulting semantic structure has two objectives:
 - Guide exploration.
 - Create a coding scheme (deductive, but flexible and informed by the evidence).

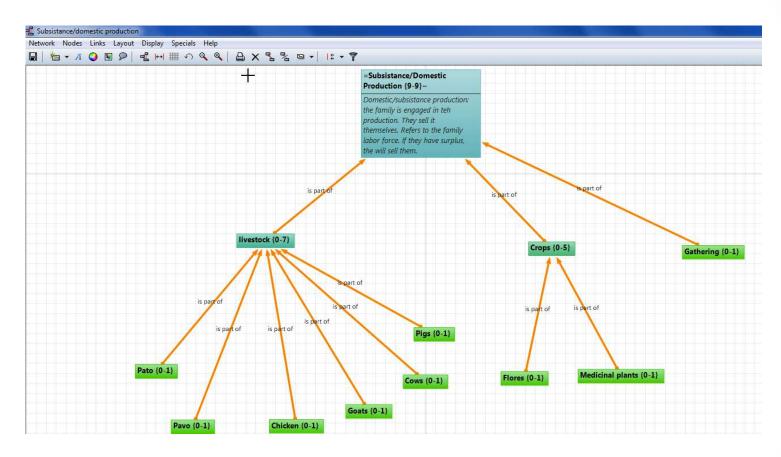
Step 2. Conceptual framework: Forms of labor



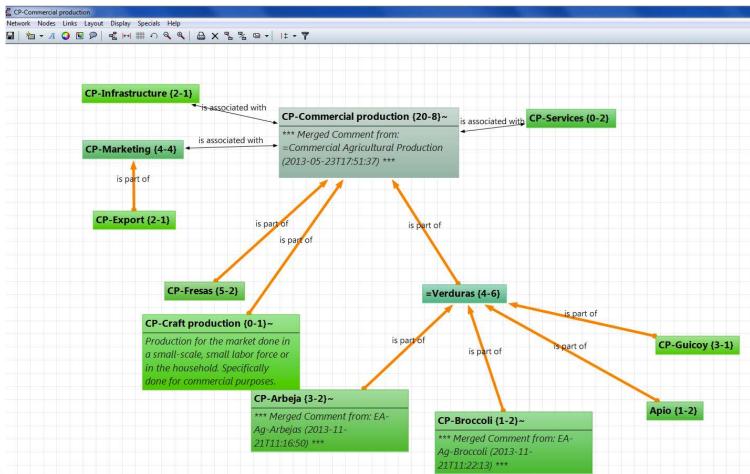
Step 2 (continued). Conceptual framework: sub-domain "household reproductive labor"



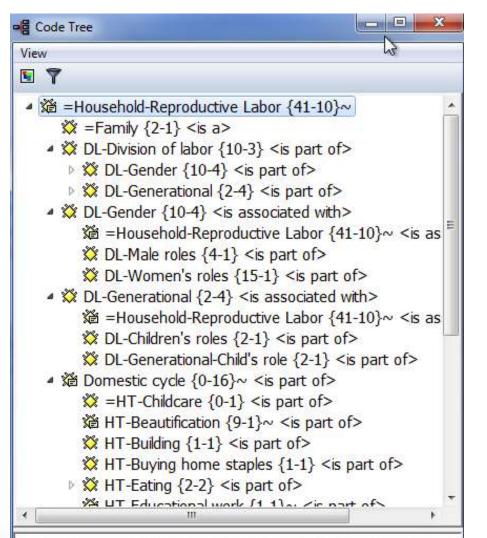
Step 2 (continued). Conceptual framework: sub-domain "subsistence/domestic production"



Step 2 (continued). Conceptual framework: sub-domain "commercial production"



Step 2 (continued). Conceptual framework: code structure using the Code Tree

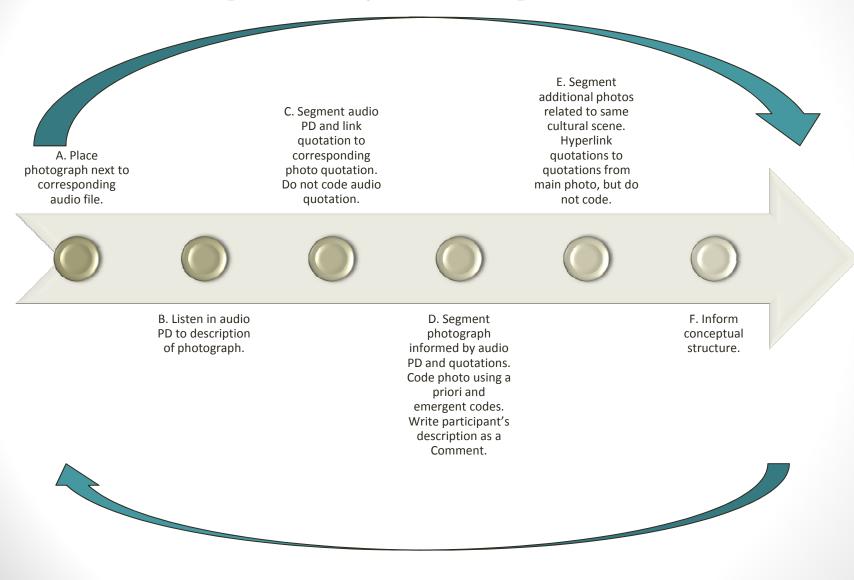


Household labor: reproductive labor, caring for children, maintinging family by sweeping and cleaning. From a flat code list to a hierarchically differentiated code system

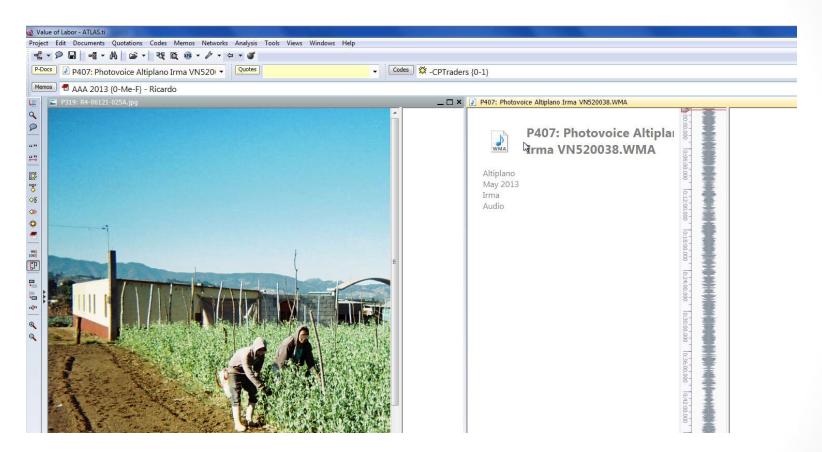
Useful for coding as code system grows in complexity

Codes should be defined systematically

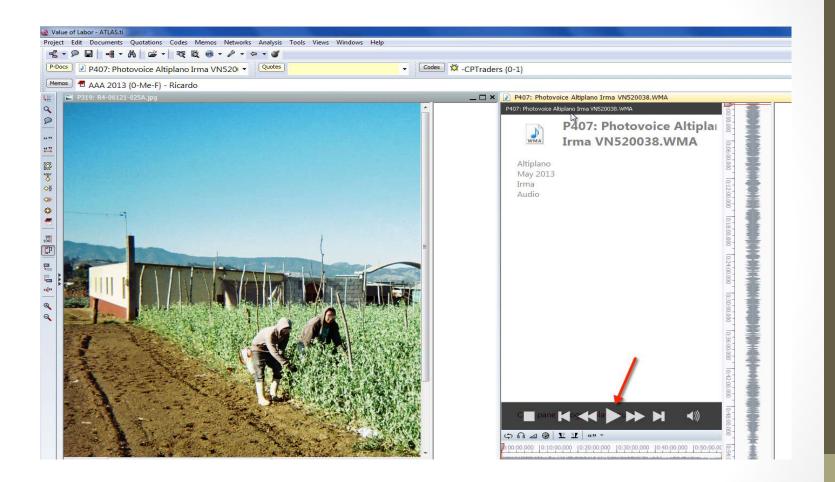
Step 3.Description of photovoice data:from description to analysis and interpretation



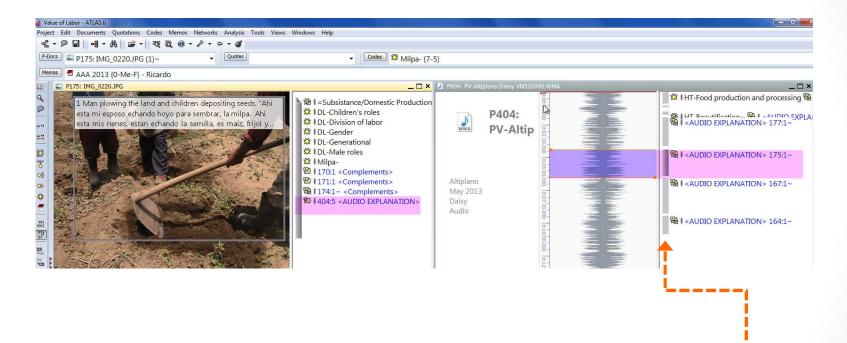
Step 3 (A). Place photo PD next to audio PD



Step 3 (B). Listen to audio PD

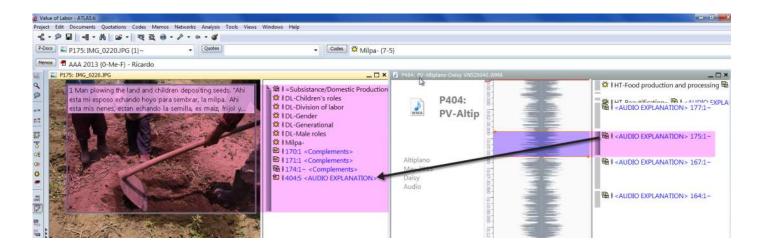


Step 3 (C) Segment audio PD and hyperlink audio and photo quotations



Audio quotation is not coded but instead hyperlinked to corresponding photo quotation. Audio quotation can be heard by clicking on the hyperlink on the photo margin.

Step 3 (D). Segment photo PD, code quotation, and hyperlink it to audio quotation



[404:5] PV-Altiplano-Deisy

VN520040.WM..

[175:1] IMG_0220.JPG

Man plowing the land and children depositing seeds. "Ahi esta mi esposo echando hoyo para sembrar, la milpa. Ahi esta mis nenes, estan echando la semilla, es maiz, frijol y ahi sale la milpita..." "Mi esposo que esta escarbando, esta trabajando."



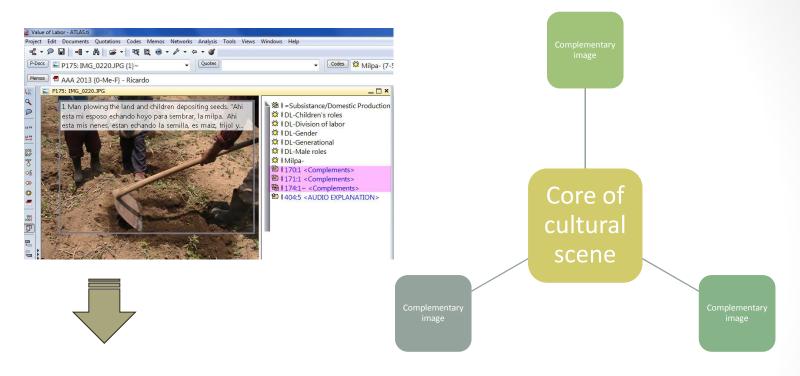
AUDIO EXPLANATION

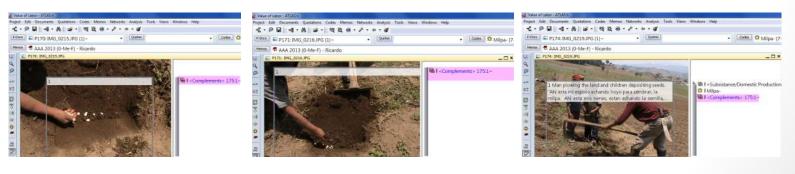
12



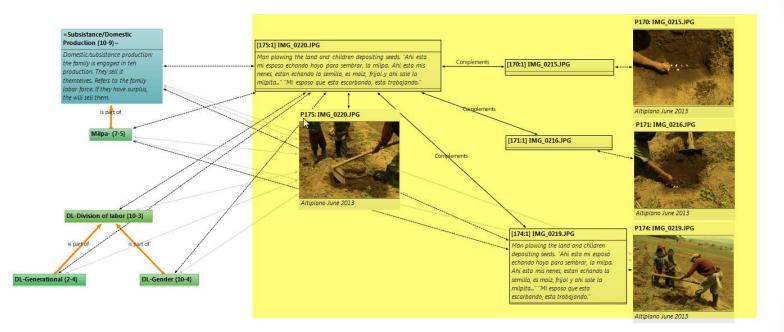
Altiplano June 2013

Step 3 (E) Segment additional photos related to the same cultural scene. Hyperlink with quotations from main photo

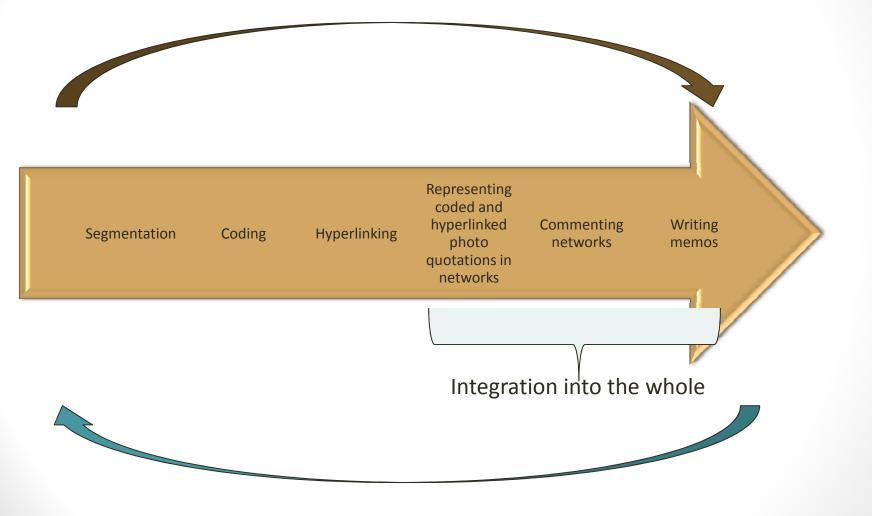




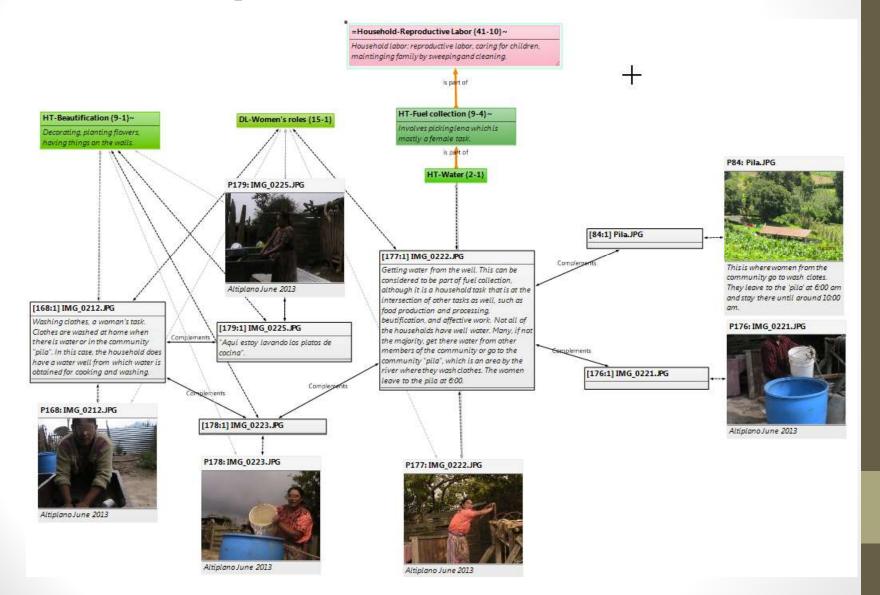
Step 3 E. Network view of hyperlinks



Step 3 F. Inform conceptual structure: Moving towards interpretation



Step 3 F. Inform conceptual structure: network views



Step 3. F Inform conceptual structure: memos

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	Things to Explore	1	0	Memo	1582	Ricardo	01/04	С
	Types of Activity	0	0	Memo	0	Ricardo	01/04	С
	Various forms of production	1	1	Memo	1259	Ricardo	10/24	1
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	Precisely as Goldin 2005: 61 stat	ne family owns nembers of the atemala City d culture as a do icultural to ind	s a piece of e extended Iriving a tro cumented	f land where h l family started uck (also a fam migrant work	e and his sons I a recycling b nily-owned en er. Goldin sta	work; the usiness; or terprise); a tes that lal	y are ne of the so ind anothe por ideolog	r gies
	Precisely as Goldin 2005: 61 stat illustrated by Oligario's family: th entrepreneurs who jointly with n works in the service sector in Gu son is in Canada working in agric of transition (transition from agr	ne family owns nembers of the atemala City d culture as a do icultural to ind lands. that Golding in	s a piece of e extended lriving a tri ocumented lustrial for nterviewed	f land where h l family started uck (also a fam migrant work ms) is complic l for her study	e and his sons I a recycling b nily-owned en er. Goldin sta ated by this di . They combir	work; the usiness; or terprise); a tes that lak iversity of ne "wage w	y are ne of the so and anothe bor ideolog occupation vork, some	r gie: ns

Conclusions related to ATLAS.ti and the analysis of photovoice data

- Benefits of using ATLAS.ti in the analysis of photovoice data:
 - Allows for the systematic linkage of the photograph with the account given by participants
 - Allows for an in-depth description of the photograph from the participant point of view (assuming that the interview was able to elicit such description)
 - Allows for a rich dialogue between an a priori conceptual framework and the emergent findings and interpretation
 - Allows for the integration of the photovoice data into the whole of the analysis (triangulation with other methods of data collection)

- Be aware of the following:
 - Be systematic and careful in creating PD and Super PD families of your photovoice primary documents
 - Be careful when managing the multidocument view. Sometimes, this can be a little confusing
 - Be systematic in describing people's accounts as comments of photographs
 - Transcribing the audio PDs with interviews is an option, but I do not think it is a necessary condition
 - It is important to approach this iteratively: segmenting, coding, describing, building and enriching network representations, writing memos, and, ultimately, integrating the data into the whole of the analysis and interpretation

References

- NOVAK, D. R. 2010. Democratizing Qualitative Research: Photovoice and the Study of Human Communication. *Communication Methods and Measures*, 4, 291-310.
- TINKLER, P. 2013. Using Photographs in Social and Historical Research. London: SAGE Publications Ltd.
- WANG, C. & PIES, C. A. 2008. Using Photovoice for Participatory Assessment and Issue Selection. *In:* MINKLER, M. & WALLERSTEIN, N. (eds.) *Community-based Participatory Research for Health.* San Francisco, CA: John Wiley & Sons, Publishers.