

In for a Penny, In for a Pound:
The Management and Preservation of
E-Theses in EPrints

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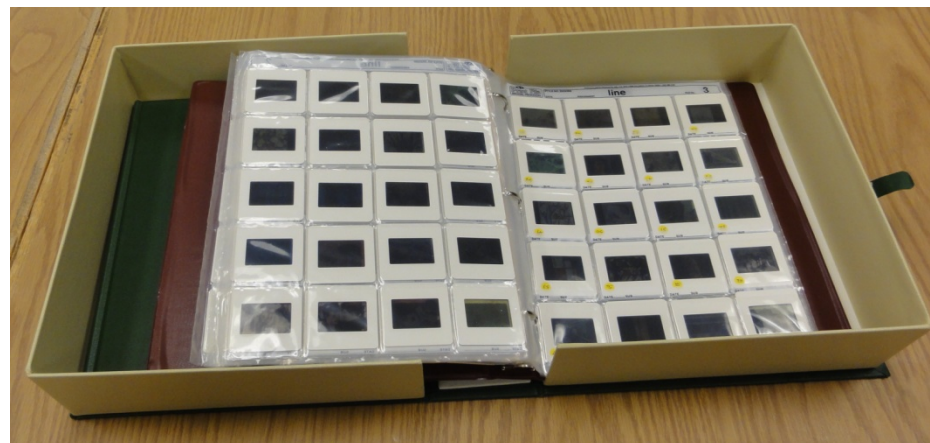
Talking Points



- ❖ **Digitizing Analogue Collections**
- ❖ **EPrints vs CONTENTdm**
- ❖ **OCR of Analogue Collections**
- ❖ **PDF/A File Format**
- ❖ **Library Archives Canada Theses
Canada Portal**
- ❖ **School of Graduate Studies E-Thesis
Submission**
- ❖ **Discoverability**
- ❖ **Long-term preservation**

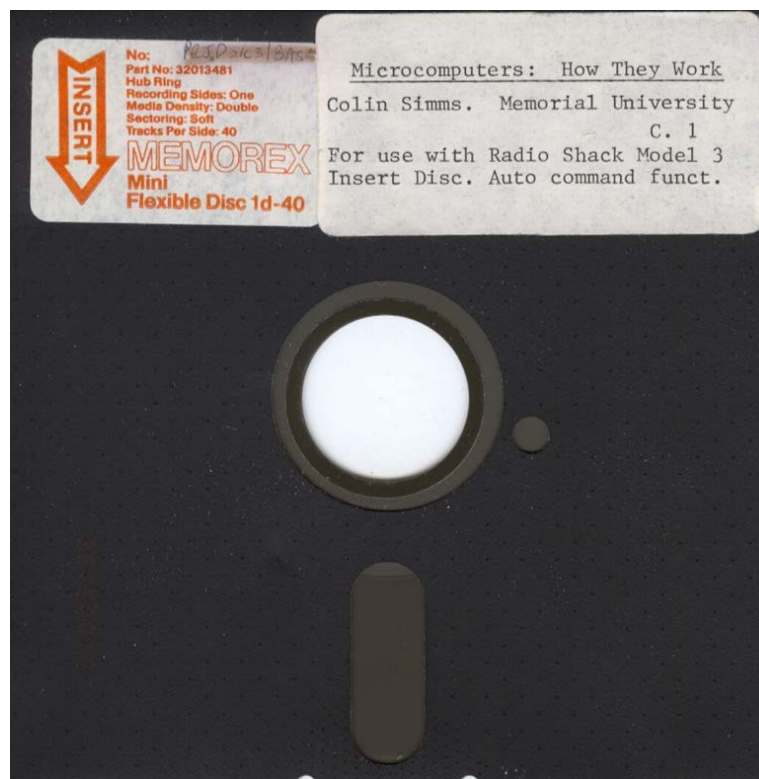
Digitizing Analogue Collections

- **Microfilm (colour maps, images, etc.)**
- **Supplementary Files**



Digitizing Analogue Collections

- **Supplementary Files**



EPrints vs CONTENTdm



Feature	EPrints	CONTENTdm
Database		
Indexing		
Multiple Output Schemas		
Long-term Preservation		
Web-based staff client		
Usage Statistics		

Digitized microfilm and OCR



A REPORT ON THE DEVELOPMENT OF A
MULTIMEDIA INSTRUCTIONAL UNIT
ENTITLED MICROCOMPUTERS:

HOW THEY WORK

by

Colin Gerard Simms, B.Sc., B.Ed.

Microfilmed by Library Archives Canada in 1986

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Digitized microfilm and OCR



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OCR of Analogue Collections



- **Pixel width (ppi) and OCR quality – 1200 ppi**

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OCR of Analogue Collections



- **Pixel width (ppi) and OCR quality – 1600 ppi**

Mousion aims to be a distinctively comprehensive Canadian journal of Classical Studies, publishing articles and reviews in both French and English. One issue annually is normally devoted to archaeological topics.

including field reports, finds analysis, and the history of art in antiquity.

The other two issues welcome work in all areas of interest to scholars: this includes both traditional and innovative research in philology.

history, philosophy, pedagogy, and reception studies, as well as original work in and translations into Greek and Latin

OCR of Analogue Collections



- **Pixel width (ppi) and OCR quality – 2000 ppi**

Mouseion aims to be a distinctively comprehensive Canadian journal of Classical Studies, publishing articles and reviews in both French and English. One issue annually is normally devoted to archaeological topics, including field reports, finds analysis, and the history of art in antiquity. The other two issues welcome work in all areas of interest to scholars; this includes both traditional and innovative research in philology, history, philosophy, pedagogy, and reception studies, as well as original work in and translations into Greek and Latin.

Pixel width is determined by page size and font.

PDF/A File Format



❖ PDF/A-1 👍

❖ PDF/A-2 👍

❖ PDF/A-3 👎

❖ See recent National Digital Stewardship Alliance [Report](#):

The Benefits and Risks of the PDF/A-3 File Format for Archival Institutions

Preserve Look and Feel doesn't always work: postscript→PDF/A



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Winter Trail Use: A Map Biography Approach
 B. Blodgett, J. Bell, J. Finniss, J. Wozniak
 Memorial University, Happy Valley-Goose Bay, Canada

Newfoundland Labrador
 MEMORIAL UNIVERSITY

1. The research problem

(7) Peruse the conference proceedings... (8) Climate change... (9) Heavy precipitation... (10) Heavy precipitation... (11) Heavy precipitation...

995 there was a shift from no trend to an increase in winter temperatures in Labrador (9; Kistler et al. 2001). In mean winter temperatures (Dec–May) increased by more and the number of days of heavy precipitation more than 10, (11). Labradoreans identified travel and infrastructure an important activity in dealing with the impacts of climate and change (CVC; Bell et al. 2006), prompting the key questions: 1. To what extent CVC in combination with climatic factors affecting winter trails, trail use, and in the Makovik? 2. How are these changes affecting trail use?

The overarching goal is to help ensure that future generations continue to enjoy uninterrupted access to the land and ice.

(10) Due to lack of snow in February 2009, trail users were forced to find alternative routes to access the trail. Alternative routes are indicated by yellow arrows.

3. The map biography method

A map biography is "an account of a person's life on the land, sea, or ice, as recorded on a map (end audio recording) during a face-to-face interview" (Tobias 2009). Map biographies allow the visualization of the extent and significance of land use. Secondary purposes include economic planning, natural resource management, and the documentation of history and culture to salvage and reinforce cultural identity (Chapin et al. 2005). Map biographies have been used to show extent and use of winter trails in other parts of Canada (12; Tobias 2009).

Blodgett et al. 2008. Climate Change and Renewable Resources in Labrador. Conference Report L1602, Memorial University.
 Chapin et al. 2005. Mapping Indigenous Land Use: An Interview of an Anthropologist. 26: 619-30.
 Dunn. 2010. Interview by: Mr. Way, T. Ed.). Qualitative Research Methods in Human Geography. 11: 109-124. Prof. Somnath Choudhary.
 Tobias, T. 2009. Living Prof. Somnath Choudhary.

2. Project Planning

Community engagement

19

4. Data Collection

20

5. Data Analysis

21

6. Dissemination

22

4. Data analysis (in progress)

The map overlays were examined earlier this month (19) and following georeferencing will be digitized and organized with NVivo 9 software. The interview and organized with NVivo 9 software. The interview data will be subject to manifest (visible, surface content) and latent (themes, impact meanings) content analysis (see Dunn 2010).

Preliminary observations from the field:

- Negative impacts of CVC have increased in the last ten years
- Loss of traditional skills increases exposure and impairs adaptation
- Short term adaptation is in place, but not comprehensive

5. Dissemination

- The results of this research will be used in the Saikjujinniatuk Nuradik (Sustainable Communities) project
- The maps will be accessible through the Nain Research Center, subject to ethics guidelines
- An article is in preparation to be published in a peer-reviewed journal
- This project is part of an MA in Geography and a journal article is in preparation.

Acknowledgements: We thank the community of Makovik, the Makovik Inuit Community Government, the Newfoundland Government (Research Advisory Committee), Marilyn Wherry and Joan Anderson. The logistical support of Scott Hatcher, Robert Way, and Andy Hood is greatly appreciated. Funding for this research was provided by Memorial University and the Provincial Government of Newfoundland and Labrador.

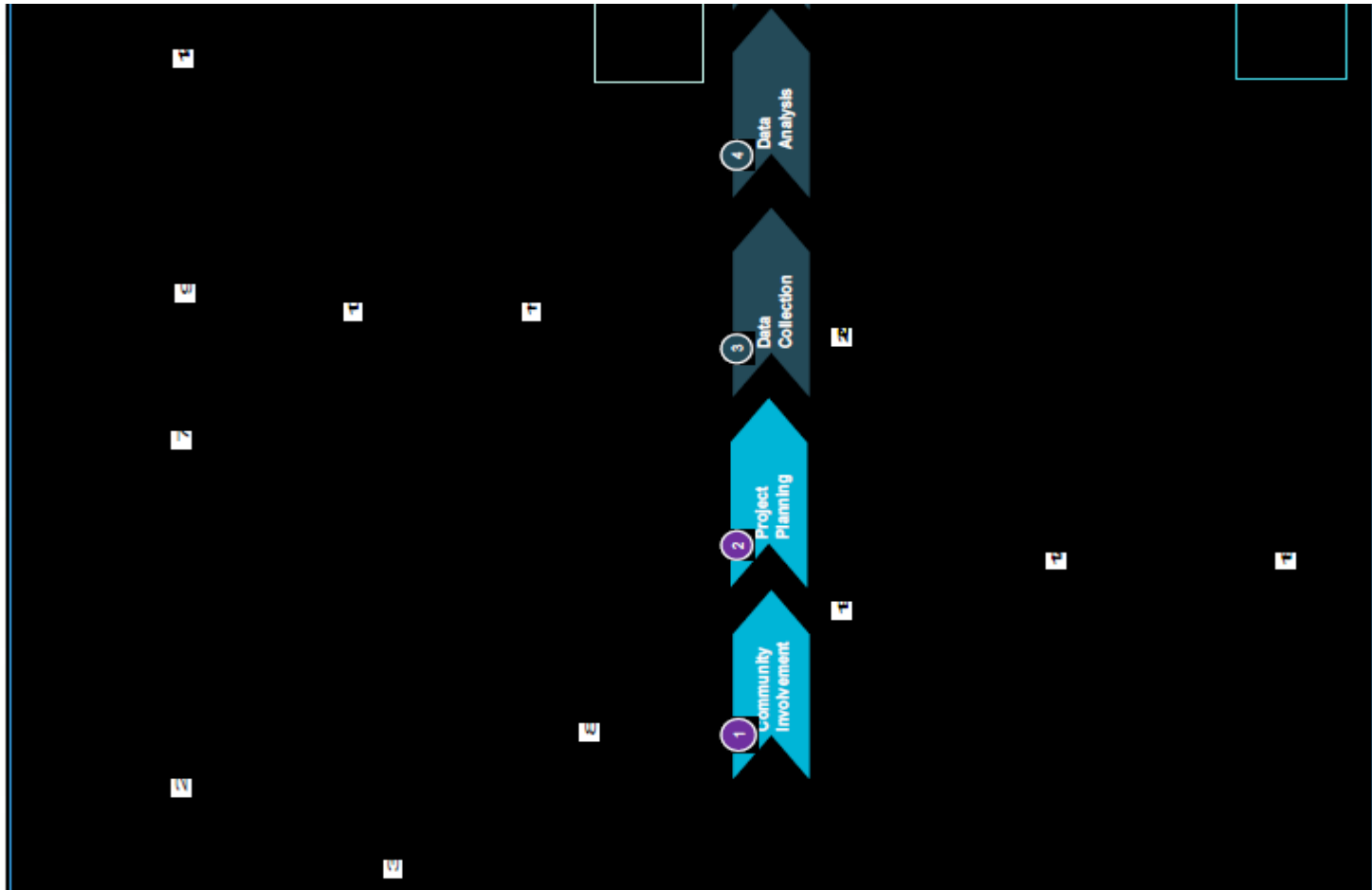
7. Community engagement

17 February 2012. Interviewed. Map based on their and sea ice. On they pointed out travel dangers, changes that have reduced interviews were encouraged such as the ill as they relates it degree depend

(17) Map biography participants photographing a donor's map of the interview.

(18) Map biography research participants photographing a donor's map of the interview.

Preserve Look and Feel doesn't always work for images → PDF/A



Library and Archives Canada Theses Canada Portal



- ❖ **E-thesis only submission as of April, 2014.**
- ❖ **OAI-PMH harvesting requirements:**
 - ❖ ETD_MS metadata schema
 - ❖ Single PDF or PDF/A file

Library and Archives Canada Theses Canada Portal



❖ **ETD_MS**

- ❖ Cannot use UKETD-DC schema
- ❖ Loaded ETD_MS schema developed by Concordia University

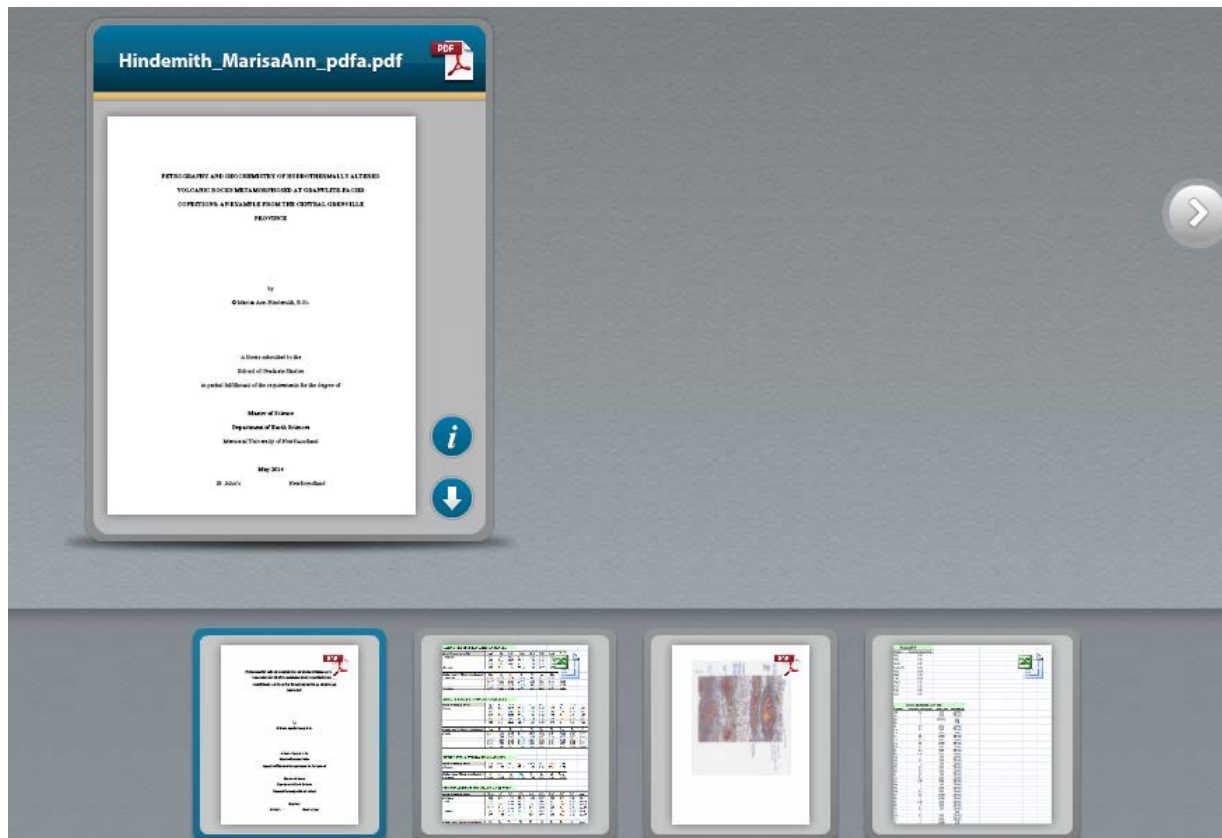
❖ **Single PDF or PDF/A file**

- ❖ Use Adobe PDF Portfolio container format to deliver thesis and supplementary files to Library Archives Canada. Supported by many non-Adobe readers and Adobe IOS reader.

Library and Archives Canada Theses Canada Portal



❖ PDF Portfolio



Library and Archives Canada Theses Canada Portal














❖ PDF Portfolio



School of Graduate Studies E-Thesis Submission



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E-Thesis submission → Eprints XML and BagIt AIP

Discoverability



- ❖ **Library catalogue: transform EPrints xml to MARC21.**
- ❖ **Theses Canada Portal: EPrints OAI-PMH ETD_MS schema.**
- ❖ **Summon Discovery Service: EPrints OAI-PMH qualified Dublin Core schema.**

Long-term Preservation



- ❖ **Media type preservation plan for theses supplementary files (e.g. MPEG-4 H.264 access file format for video); ongoing problems with new versions of browsers.**
- ❖ **Research data curation plan for theses with associated data sets (spreadsheets, access databases, software, etc.)**

Long-term Preservation



- ❖ **M-DISC (1,000 year storage solution)**
- ❖ **SAFE PLN private LOCKSS network:
(Baglt archive information package)**

