Management of Complex Cultural Heritage Projects: UC CEISMIC Earthquake Archive

Dr. James Smithies
Digital Humanities Program
University of Canterbury
Te Whare Wānanga o Waitaha
New Zealand
@jamessmithies

WE’D LOVE YOU TO JOIN US!

The UC CEISMIC Digital Archive is designed to preserve the memories and experiences of people of the Canterbury region. Like the rebuild of our physical city, it's going to take some years to create this asset. We need you, your stories, your support, your ideas.

THE EARTHQUAKES THAT STRUCK CANTERBURY IN 2010 AND 2011 ARE AMONG THE MOST SIGNIFICANT EVENTS IN NEW ZEALAND HISTORY.

The 7.1 quake which struck on September 4, 2010 caused widespread damage and two serious injuries.
A massive roar of movement, unimaginable to anyone who has not experienced it...

—Dannielle

Queenstown, Otago, New Zealand

YOU'VE GOT A STORY TO TELL
Share your stories and photos of the Canterbury earthquakes. Get involved and help shape this living memorial to share with future generations.
Strategy

- Leverage existing national infrastructure.
- Federate.
- Iterate.
- Build an ecosystem.
- Engage with the community.
- Value and enable research.
- Build an on-ramp to HPC and Data Fabric.
- Embrace heterogeneity:
  - of ontologies, schemas, systems, data;
  - of copyright;
  - of communities.
- View problems as research problems.
- Be in it for the long-haul.
Governance

UC CEISMIC Programme and Programme (Consortium) Board

Advisory Board
Research Committee

www.ceismic.org.nz

www.quakestories.govt.nz
www.quakestories.canterbury.ac.nz

Chch City Libraries
Archives NZ
National Library
Te Papa
Canterbury Museum
NZ OnScreen
Community Site A
Community Site B

National Digital Heritage Archive (NDHA)

Archives NZ (Government Digital Archive)
Ecosystem
The Numbers

Public or in development: 84,593.

UC CEISMIC:

- Total items available to public: 54,943
- Images: approximately 39,000
- Video: approximately 1,000
- Audio: approximately 200
- Newspapers: approximately 10,000 pages (156 newspapers)

UC QuakeStudies:

- Total parts (public and non-public): 64,493
  - Public: 34,914
  - Researcher only: 4974
  - Embargoed: 590
  - In development: 24,015
- Creative Commons Licence: 24,237
- Formats:
  - Image: 46,999
  - Text: 14,755
  - Video: 938
  - Audio: 615
  - Other: 1186
Constraints

• The problem of scale:
  • Governance;
  • Political will;
  • Ownership.

• The problem of complexity:
  • Forget the systems; good engineers can deal with that;
  • Governance / project definition & management / funding / initiation.

• The problem of time:
  • We want to be here forever; key agencies aren’t;
  • Knowledge about the data, and where it is, is as important as the data itself.

• Funding and Sustainability:
  • UC CEISMIC in 2015, 2016, 2020?
Video Selection: QuakeBox and Community Collection
<table>
<thead>
<tr>
<th><strong>Title:</strong></th>
<th>Video of Debbie-Lee Osborne's earthquake story</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>Video of Debbie-Lee Osborne's earthquake story, captured by the UC QuakeBox project.</td>
</tr>
<tr>
<td><strong>Part of:</strong></td>
<td>Debbie-Lee Osborne's earthquake story</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Video (mp4)</td>
</tr>
<tr>
<td><strong>Extent:</strong></td>
<td>12 MB</td>
</tr>
<tr>
<td><strong>License description:</strong></td>
<td>This material is subject to copyright. It can be used for research purposes; used in teaching, public lectures, and presentations; played to research participants in future research studies; displayed publicly in a museum; broadcast on television or radio; and incorporated into other works, such as books, films and artworks. Permission for other uses must be sought from The New Zealand Institute of Language, Brain and Behaviour (NZILBB).</td>
</tr>
<tr>
<td><strong>Copyright:</strong></td>
<td>Some Rights Reserved</td>
</tr>
<tr>
<td><strong>Creator party:</strong></td>
<td>New Zealand Institute of Language, Brain and Behaviour</td>
</tr>
<tr>
<td><strong>Related to categories:</strong></td>
<td>Social Science</td>
</tr>
</tbody>
</table>
Title: Video of the Christchurch red zone captured by GPS Boomerang's SmartBird UAV

Description: Video of the Christchurch red zone captured by GPS Boomerang's SmartBird UAV on 5 June 2012.

Part of: 5 June 2012 - SmartBird flight over the Christchurch red zone

Format: Video (mp4)

Extent: 153 MB

License description: Creative Commons Attribution-NonCommercial-NoDerivs 3.0 New Zealand. You are free to share, to copy, distribute and transmit the work under the following conditions: you must attribute the work in the manner specified by the author or licensor (but not in any way that suggests that they endorse you or your use of the work). You may not use this work for commercial purposes. You may not alter, transform, or build upon this work.

Rights url: http://creativecommons.org/licenses/by-nc-nd/3.0/nz/

Copyright: Some Rights Reserved

Creator party: GPS Boomerang Ltd

Tags: aerial