Exploration and Transformation

——Analysis of the Archives Crowdsourcing in China

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Adelaide, AUS
Crowdsourcing
Archives Crowdsourcing Projects in National Archives of Australia

Discovering Mildenhall's Canberra

Montevideo Maru list of prisoners of war and civilian internees on board

The Montevideo Maru list of prisoners of war and civilian internees on board

Discovering Anzacs

Discovering Mildenhall's Canberra

Destination: Australia: Sharing our post war migrant stories

Without Consent: Australia's past adoption practices

'arcHive' website for transcription

The Montevideo Maru list of prisoners of war and civilian internees on board

Discovering Anzacs

Without Consent: Australia's past adoption practices
Contents

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02 Overview of the Archives Crowdsourcing in China

03 Characteristics of the Archives Crowdsourcing in China

04 Problems and Improvement Strategies

05 Summary
1 Introduction
1.1 Archives Crowdsourcing Research in China

**Main Contents**

- Enlightenment of Overseas Practice
- Framework and Platform Design
- Quality Evaluation
- Application Domain

1.2 Research Contents and Objectives

**Shortcomings**

- Lack of investigation into the practice
- Countermeasures—vague lack of pertinence.

- Investigate the Projects of China
- Summarize Characteristics
- Explore the Problems and Reasons
- Propose Improvement Strategies

No investigation, no right to speak——Mao Zedong
2 Overview of the Archives Crowdsourcing in China
Renmin University of China: “My Peking Memory”

Shanghai Library: Genealogy Knowledge Service Platform

Shenyang Archives: Family Archives Network

Archives Crowdsourcing in China

Sheng Xuanhuai Archives Transcription
## Archives Crowdsourcing in China

<table>
<thead>
<tr>
<th>Background</th>
<th>Host</th>
<th>Start</th>
<th>Aim</th>
<th>Contents</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>“My Peking Memory”</td>
<td>Renmin University of China</td>
<td>2018</td>
<td>Rescue, protect and inherit the Beijing memory</td>
<td>Encourage the public to upload the Beijing memory and stories online</td>
<td>More than 2,000 memories, 1,000 articles, 8,000 pictures and 300 videos are collected.</td>
</tr>
<tr>
<td>Sheng Xuanhuai Archives Transcription</td>
<td>Shanghai Library</td>
<td>2017</td>
<td>Improve the efficiency and quality of the description and transcription of Sheng Xuanhuai records.</td>
<td>Crowdsourcing of description and transcription of historical archives</td>
<td>Completing more than 200 tasks and 600 pages of archives.</td>
</tr>
<tr>
<td>Genealogy Knowledge Service Platform</td>
<td>Shanghai Library</td>
<td>2016</td>
<td>Solve the difficulty of the genealogy collecting and improve the level of co-construction and sharing.</td>
<td>The public can upload, identify and compile genealogies online.</td>
<td>More than 160,000 visitors, forming a core user group of about 200 people.</td>
</tr>
<tr>
<td>Family Archives Network</td>
<td>Shenyang Archives</td>
<td>2010</td>
<td>Protect folk memory better.</td>
<td>Encourage the public to upload, share and display the family archives online.</td>
<td>Uploaded more than 1500 family photos, 140 recall articles, 1700 old award photos and 500 baby photos.</td>
</tr>
</tbody>
</table>

### Experiments and Explorations

http://blog.sina.com.cn/s/blog_6ce9c3750101atbb.html
3 Characteristics of the Archives Crowdsourcing in China
3 Characteristics of the Archives Crowdsourcing in China

3.1 Encouraging public participation

3.2 Distinctive topics and project management

3.3 Various crowdsourcing types

3.4 Scientific management platform

3.5 Institution cooperation

3.6 Compliance with laws and regulations

3.7 Applying advanced technologies

The overall level is high

https://sports.eastday.com/a/1904010912557230000000.html
### 3.3 Various crowdsourcing types

#### Types and Contents of Archives Crowdsourcing in China

<table>
<thead>
<tr>
<th>Crowdsourcing Type</th>
<th>Crowdsourcing in Archives Collecting</th>
<th>Crowdsourcing in Archives Arrangement</th>
<th>Crowdsourcing in Archives Appraisal</th>
<th>Crowdsourcing in Utilization and Dissemination of Archives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Collecting</td>
<td>Add Comments, Stories and Memories</td>
<td>Textual or Visual Transcription of Archives</td>
<td>Archives Description and Indexing</td>
</tr>
<tr>
<td>“My Peking Memory”</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
</tr>
<tr>
<td>Sheng Xuanhual Archives</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
</tr>
<tr>
<td>Transcription</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
</tr>
<tr>
<td>Genealogy Knowledge Service Platform</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
</tr>
<tr>
<td>Family Archives Network</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
<td>✓/</td>
</tr>
</tbody>
</table>
3.3 Various crowdsourcing types

Crowdsourcing in Textual Transcription and Description of Archives

Sheng Xuanhuai

Archives Transcription
3.3 Various crowdsourcing types

Crowdsourcing in Visual Transcription of Archives

Genealogy Knowledge Service Platform

“Online Genealogy Recognition”

To recognize and transform genealogy images into structured, machine-processable and analyzable data
3.3 Various crowdsourcing types

Crowdsourcing in Geographical Location of Archives

“My Peking Memory”:
To Mark the Memory Location when the Public Uploads Archives Memory
3.4 Scientific management platform

- Archives crowdsourcing platform
- User Login and Personal Center
- Communication
- Training and Guiding
- Participation Incentives
- Results Checking
3.4 Scientific management platform

Sheng Xuanhuai Archives Transcription

1. Crowdsourcing Competition
2. Task Deadline
3. Task Completion Degree
4. Task Difficulty Degree
5. Show the Latest Accomplishments
6. Show the Latest Task Developments
7. Score Ranking

Participation Incentives

Revisor: admin

Published: 2020-01-01

Total tasks: 3
Pages: 34

Completion: 67%

Difficulty: ★★★★★
3.7 Applying Advanced Technologies

Family Migration Map of Hu Shi

Family Archives Network
Exhibition Based on Multimedia and 3D Technology

“My Peking Memory” —— Spring Festival Culture

ISLI/MPR Composite Digital Publishing Technology

“My Peking Memory”
3D Presentation of Lao She's Former Residence

Genealogy Knowledge Service Platform
✓ Linked Data Technology
✓ Semantic Visualization Technology
✓ GIS Technology

“My Peking Memory” —— Memory Map based on GIS Technology
4 Problems and Improvement Strategies of the Archives

Crowdsourcing in China
4.1 Archives Resources and Their Access

**Problem**

- **Insufficient Self-owned Archives in Institutions**
  - Archives scattered and disorderly

- **Inadequate Opening**
  - Sheng Xuanhuai Archives Transcription
    - 567 records were open
    - accounting for 0.3%

**Countermeasure**

- **Strengthen the collection of original, systematic and characteristic archives**

- **Promote the opening and sharing of archives**

Sheng Xuanhuai Archives

100 Volumes

4.2 Task Level of Archives Crowdsourcing

Problem

Low crowdsourcing level
— Crowdsourcing in collection and arrangement, monotonous and simple

Countermeasure

Designing high-level crowdsourcing
— Knowledge contribution and error correction
— Archives compilation and research etc.
4.3 Public Participation Degree and Incentive

**Low public participation degree**
- “My Peking Memory”
  - 1 item per day in the past month
- Sheng Xuanhuai Archives Transcription
  - 8 records in the past 4 months.
- Family Archives Network
  - None in the past 3 years.

**Problem**

**Countermeasure**
- Analyze the incentive factors specifically
- Find out the problem and prescribe the right medicine

**Participation Incentives**

- **Archives Resources and Access**
  - ✓ Quantity
  - ✓ Quality
  - ✓ Openness

- **Task Design**
  - ✓ Task Difficulty
  - ✓ Task Interest

- **The public**
  - ✓ Internal: Emotion, Interest, Curiosity, Responsibility, Knowledge, Achievement
  - ✓ External: Money, Material, Honor

- **Platform**
  - ✓ Easy to use
  - ✓ Visualization
  - ✓ Communication

- **Dissemination**
  - Multi-channel and three-dimensional propaganda
## 4.4 Insufficient Crowdsourcing in Archives

<table>
<thead>
<tr>
<th>Reasons</th>
<th>Countermeasures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Policies and Regulations</strong></td>
<td><strong>Promulgate relevant laws and regulations to standardize</strong></td>
</tr>
<tr>
<td>Not clearly stipulated</td>
<td></td>
</tr>
</tbody>
</table>

- **2. Archives Security**
  - Imperfect openness and appraisal management system technology platform
  - Managed by Communist Party Committees

- **3. Institution Itself**
  - Lack of the concept
  - Insufficient capacity and investment mining of special resources funds technology platforms personnel

- **Countermeasures**
  - Strengthen the Archives Openness and Appraisal
  - Use Advanced Technology to Establish a Scientific and Reliable Crowdsourcing Platform
  - Select small batches of characteristic archives for crowdsourcing pilot.

- Enhancing the concept
- Strengthen archives resources mining
- Raise funds from various aspects
- Strength the talent introduction, technology research and platform management
5 Summary

- Significant achievements
- Prominent problems
- Realize Transformation
- Bright prospects

Crowd-sourcing
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THANK YOU

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