

# Data Archiving for Dissemination within a Gulf Nation

**Brian Mandikiana of SESRI**

*In collaboration with*

Lois Timms-Ferrara and Marc Maynard  
of Data Independence LLC

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# Overview

## Social and Economic Survey Research Institute (SESRI)

- Established in 2008 at Qatar University
- Has collected over 60 nationally representative household surveys

## SESRI Data Archive

- Established in 2017
- Building from the ground up



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# Mission Statement

The SESRI Data Archive Mission is...

To advance globally accepted standards of economic and social survey research data for storage, management, preservation and dissemination.



Source: Courtesy University of Texas Libraries and the US Central Intelligence Agency

# Data Sharing Culture in the Gulf

- Availability of microdata from countries in the Gulf region has been limited
- Not only in terms of comparative analysis across countries, but also within individual countries
- Government departments account for the majority of data collected
- Data is mostly used for administrative purposes
- Data sharing an uncommon feature in the region

# Challenges: Organizational

- Undefined mission for data archive
- A lack of archiving policies and procedures
- SESRI staff focused mostly on analysis and writing research papers and policy briefs
- Attention to preservation and archiving work not integrated into overall SESRI processes
- Maintaining a type of persistent, reusable version of the resulting data files

# Challenges: Legal and Contractual

- Cultural and social sensitivity (but censorship is less than commonly believed)
- Similar to all survey projects, protecting respondent confidentiality and privacy (for instance, releasing geography at an appropriate level of aggregation)
- Contractual arrangements with funders can impose restrictions on preservation, accessibility and re-use
- Developing appropriate review and approval processes



# Challenges: Recruitment and Staff

- Hiring to fulfill the archive's human resource needs for both on going work and backlog of past datasets
- The need to hire a lead archivist, two data processors, one developer, and multiple students
- Research data archiving being uncommon in the region, appropriately skilled workers are rare Need for multilingual employees (Arabic and English)
- National focus on hiring local candidates before considering international recruitment



# Challenges: Technical

- No accumulated metadata
- Survey data and documentation not prepared with broader use in mind
- No standardization in naming conventions and identifiers
- No version control system
- No existing data dissemination channels



# An OAIS model?! ...I NEED AN OASIS!



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# Approach and Architecture

- Development of the SESRI Archive proceeded on two tracks: general policy development and practical data processing workflow implementation.
- Managing such a process requires substantial planning
- **General Policies**
  - Developed and discussed a Data Management Policy with SESRI staff.
  - Selection of studies to implement draft policies and strategic planning
  - Data Preservation Policy

# Data Processing Workflow



- Data Archive carefully considered and designed a system for storing, and processing new data files.
- Thinking through required steps, identifying dependencies, and documenting their effectiveness, pays dividends in the long-term as the data collection and the Data Archive grows.

# Data Processing Workflow

- Data archive advocates for data processing to be conducted using software packages that allows for storing code
- Adding notes directly in the code to document logic behind certain decisions
- Align Workflow with processing procedures
- These steps are essential in promoting data consistency and quality

# Data Availability



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Data Center

## DATA CENTER

Some SESRI studies are available for analysis and use by researchers, students, policymakers, journalists, and the general public. The use of these datasets is solely for research or statistical purposes and not for investigation of specific survey respondents.

SESRI data is currently available from the following studies. Click on a study to learn more about it and to download its data and documentation.

If you have any questions about SESRI data sets or their use, please contact us by email to [sesri@qu.edu.qa](mailto:sesri@qu.edu.qa)

QATAR AGAINST THE BLOCKADE

SOCIAL CAPITAL SURVEY

MARRIAGE DELAY

WORLD VALUES SURVEY (WVS)

OMNIBUS SERIES



# Data Availability

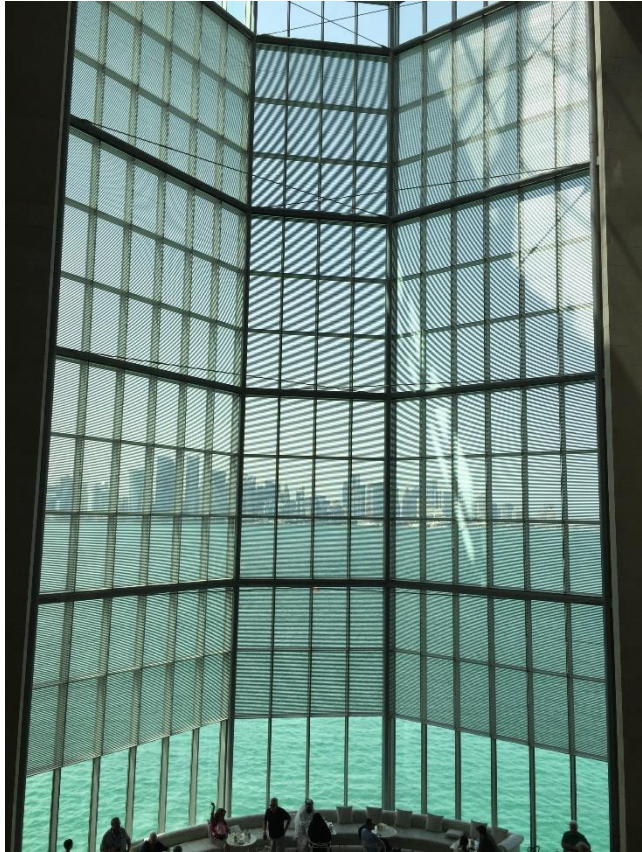
- Data Center Portal for Dissemination
- User and Access Support
- Promotion - marketing the archive, conferences, social media
- Measuring Success – indicators inform action



# In Conclusion

- Data archiving supports quantitative research which is essential to better policy making in the Gulf
- Data archiving is beneficial to growth of quantitative research in the Gulf region
- Clear communications with stakeholders are critical
- International relationships are helpful
- Encouraging re-use of survey data would improve data quality, facilitate research, and increase availability of metadata and documentation that supports analysis

# Thank you!



Islamic Cultural Center, Doha, Qatar 2017.

SESRI Data Archive:

<http://www.qu.edu.qa/research/sesri/>

Authors

Brian Mandikiana:

[bmandikiana@qu.edu.qa](mailto:bmandikiana@qu.edu.qa)

Lois Timms-Ferrara:

[Lois@DataIndependenceNow.com](mailto:Lois@DataIndependenceNow.com)

Marc Maynard:

[Marc@DataIndependenceNow.com](mailto:Marc@DataIndependenceNow.com)