

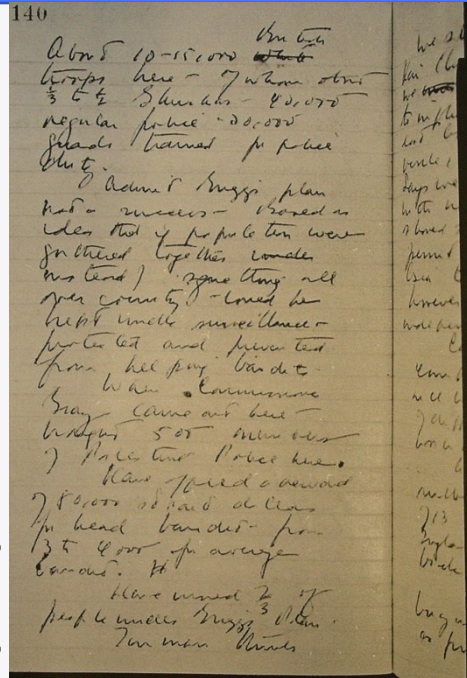
# QDR's Preservation Workflow Evolution – Time to Pause and Reflect

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Dessi Kirilova  
Digital Preservation Coalition webinar  
February 4, 2025



# What Is QDR?



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- Currently over 200 data projects published
- Over 35 institutional members
- Continuously CoreTrustSeal-certified



## A FOCUS GROUP DISCUSSION WITH THE HEALTH WORKERS

DATE: 3<sup>rd</sup> August, 2016

LOCATION: Federal Teaching Hospital, Abakaliki

DURATION: 74 minutes

I = INTERVIEWER

P = PARTICIPANTS.

[Names of participants have been omitted. Study team member nam

I: Good morning.

ALL: Good morning.

I: Some of us were not here when we did the introduction. M Mbachu. Here with me are;

I2: Adanna Chukwuma

I3: Eze Nelson

I: What language do you prefer that we use in this discussi combination of both?

ALL: Combination of the two.



es the



Naucalpan  
de Juárez  
2006-2009

GERENCIA DE AGUA POTABLE  
HORARIOS DE SERVICIO DE AGUA POTABLE POR COLONIA EN NAUCALPAN

No.	POBLACION	TIEMPO DE SERVICIO	HORARIO DE SERVICIO (HORAS)
<b>PUEBLOS</b>			
1	LOS REMEDIOS	Diario	8 hrs.
2	SAN ANTONIO ZOMEYUCAN	c/3er día	24 hrs.
3	SAN BARTOLO NAUCALPAN (NAUCALPAN CENTRO)	Diario	24 hrs.
4	SAN ESTEBAN HUITZILASCASCO	Diario	24 hrs.
5	SAN FRANCISCO CHIMALPA	No existe infraestructura hidráulica operada por este Organismo	
6	SAN FRANCISCO CUAUTLALPAN	Diario	24 hrs.
7	SAN JOSÉ RIO HONDO	Diario	24 hrs.
8	SAN JUAN TOTOLTEPEC	Diario	24 hrs.
9	SAN LORENZO TOTOLINGA	c/3er día	24 hrs.
10	SAN LUIS TLATILCO	Diario	14:00 a 6:00 hrs
11	SAN MIGUEL TECAMACHALCO	Diario	24 hrs.
12	SAN RAFAEL CHAMAPA	Diario	6:00 a 13:00 y 19:00 a 6:00
13	SANTA CRUZ ACATLAN	Diario	24 hrs.
14	SANTA CRUZ DEL MONTE	Diario	24 hrs.
15	SANTA MARÍA NATIVITAS	Diario	24 hrs.
16	SANTIAGO OCCIPACO	Diario	24 hrs.
17	SANTIAGO TEPATLAXCO	No existe infraestructura hidráulica operada por este Organismo	

# Special Collections

DECLASSIFIED  
Authority MR 85-729 #1  
By bc NLE Date 6/20/86

~~TOP SECRET~~ PORTIONS EXEMPTED  
EO: 12356, SEC. 1.3 (2)(3)(5)  
Personal and Private NSC letter 4/16/86  
NLE DATE 6/2/86

## The Trachtenberg Papers

QDR Main Collection >

Contact Share

This data collection - The Trachtenberg Papers - broadly concerns Cold War policy from the end of WWII to 1964. The data was accumulated in order to write several books and articles relating to Cold War relations during this pivotal period, most notably *A Constructed Peace: The Making of the European Settlement, 1945-1963* (Princeton: Princeton University Press, February 1999).

It includes five data projects. The three Cold War Documents projects contain archival data, whereas the remainder contain the appendices to *A Constructed Peace* and a broader collection of pedagogical materials.

Search this collection...

Advanced Search

Filters

1 to 5 of 5 Results

## Northern Ireland Research Initiative

QDR Main Collection >

Contact Share

The Northern Ireland Research Initiative (hereafter NIRI) was created in 2008 to address the current lack of: 1) disaggregated, 2) systematically collected, 3) publicly available data on the Northern Ireland conflict, 4) across source and type of violation. The goal of this effort is to advance our ability to assess important theoretical explanations for what took place, such as explorations of the importance of political, economic, cultural, and social factors commonly believed to influence conflict activity. NIRI has engaged in an ambitious research effort composed of numerous elements including a unique, systematic, and comprehensive data collection of events with information about perpetrators and victims at different levels of analysis (i.e., street, neighborhood, city, region and country) as well as multi-level theorization and examination about the determinants and processes of political conflict/violence. Additional information on the project can be found at [niriresearch.org](http://niriresearch.org).

Search this collection...

Advanced Search

Filters

1 to 1 of 1 Result

Sort ▾

- Collections (0)
- Data Projects (1)
- Files (1,913)

Publication Year

### Association for Legal Justice (ALJ) Human Rights Testimony, Northern Ireland

Dec 3, 2018

Loyle, Cynane E.; Davenport, Christian; Sullivan, Christopher. 2018. "Association for Legal Justice (ALJ) Human Rights Testimony, Northern Ireland". Qualitative Data Repository. <https://doi.org/10.5064/F6LHMJHR>. Northern Ireland Research Initiative. V1

## SECURITY STUDIES

## Security Studies

(Security Studies Journal)

QDR Main Collection >

Contact Share

Collection for supplementary data for the *Security Studies* journal. By agreement between *Security Studies* and the Qualitative Data Repository, data deposited to supplement articles accepted for publication in *Security Studies* do not incur deposit fees.

Search this collection...

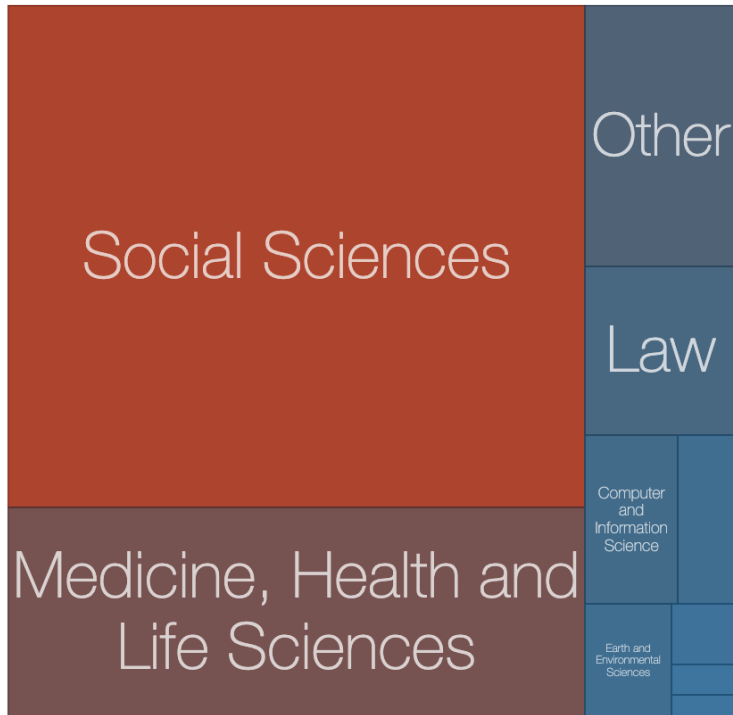
Advanced Search



New Project

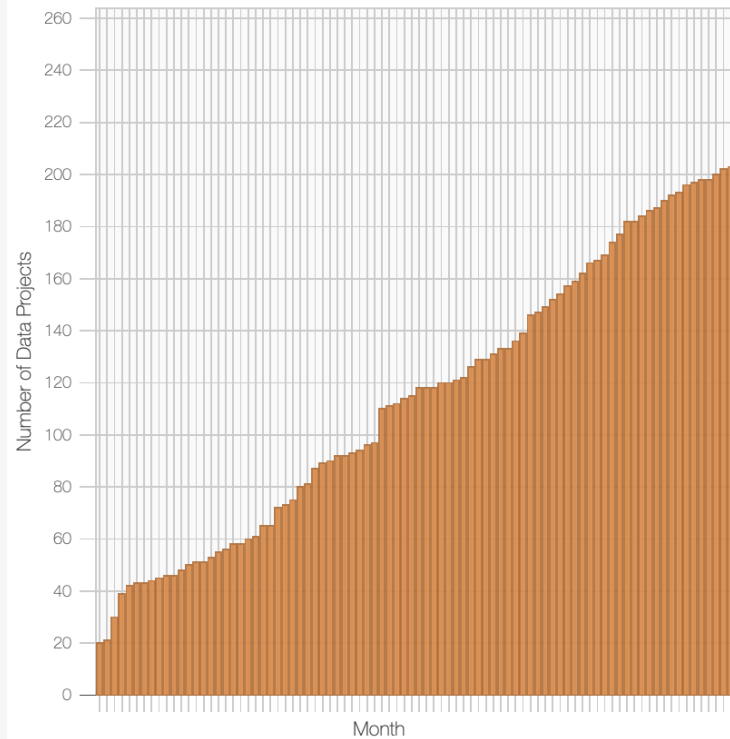
# QDR's Published Holding in 3 Images

Data Project by Subject  
Total: 263



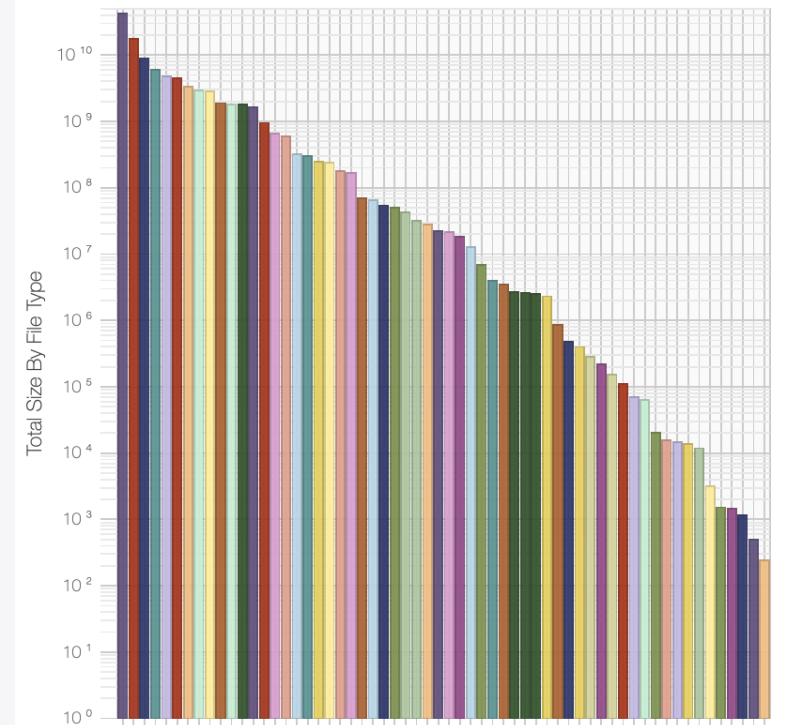
The distribution of Data Projects by subject.

Data Projects



Total Number of published Data Projects as a function of time.

File Size By Type



The distribution of Files by type.

# QDR as a Provider of FAIR Data

Findable	Rich metadata, permanent identifiers
Accessible	Data and metadata are machine-readable in standardized ways
Interoperable	Metadata are described in standardized vocabulary
Reusable	Metadata meet community standards and data have clear license



QDR achieves FAIR by practicing preservation-minded curation.

See e.g. <https://www.go-fair.org/fair-principles/>

# QDR's Digital Preservation Policy

**Mission:** “QDR curates, archives, durably preserves, and provides access to digital data used in qualitative and multi-method social inquiry.”

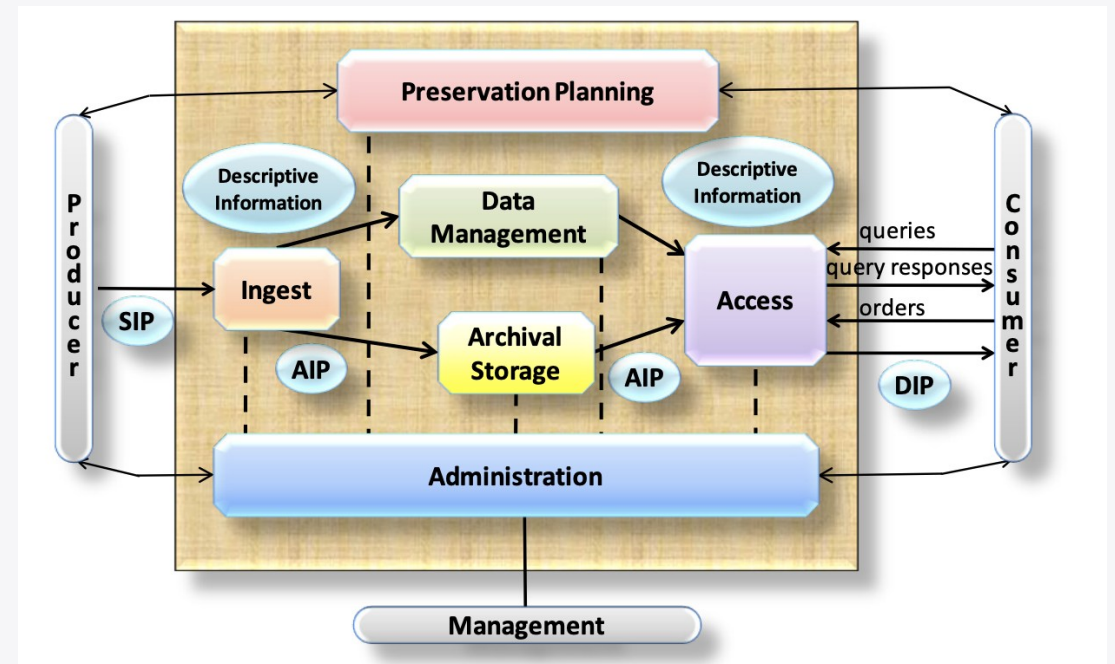
**DP Policy:** the technological and institutional steps the repository takes to ensure long-term preservation of the data it holds

- Uses file-format migration strategy where possible
- Commits to bit-level preservation where not

**Rooted in:** “Trusted Digital Repositories: Attributes and Responsibilities” (by Research Libraries Group and Online Computer Library Center, 2002)

# Key Components of QDR's Digital Preservation Policy

- OAIS compliance
- Administrative responsibility
- Organizational viability
- Financial sustainability
- Technological and procedural suitability
- Systems security
- Procedural accountability.



# QDR's OAIS Implementation in Brief – Process Focus

*On receipt:* data files, documentation files and metadata checks for completeness and integrity

- Complete initial deposit (i.e., SIP) – preserved locally unchanged prior to curation
- File format recommendations and immediate file migration if needed (using [LoC Sustainability of File Formats](#) and UK National Archive's [PRONOM](#))

*On ingest:* Dataverse (QDR's repository software system) creates automatic SHA-256 checksums for every ingested file

- Checksums are stored to allow integrity checks by users and third parties

*On publication:* Dataverse system ingest of AIP, packaged using RDA-recommended BagIT with JSON-ORE metadata

# QDR's OAIS Implementation in Brief – Storage and Backups Focus

*Primary data storage and computing environment: Amazon Web Service Simple Server Solution (AWS S3 on the East Coast)*

- Full “hot” system backups daily (useful for quick recoveries)
- AWS performs integrity checks during data transfer
- Redundant copies stored on distributed servers and integrity checks performed using MD5 and cyclic redundancy checks while files are at rest too

*Secondary backups via local (SU-based) computing services:*

- Secure storage for sensitive data during curation
- regular secondary, off-site backups
- automated penetration testing via the University of Texas Dokbot

*Tertiary (geographically diverse) storage:*

Preservation copies of published data are also stored automatically in dedicated Google Cloud Cold Storage instance on the West Coast

# QDR's OAIS Implementation in Brief – Restore Testing Efforts

Prior to current CTS re-certification submission QDR's tech team successfully conducted internal testing to allow round-trip restoration of datasets between Dataverse instances

Currently also exploring proof-of-concept transfer to other RDA-conforming repositories (e.g., Clowder)

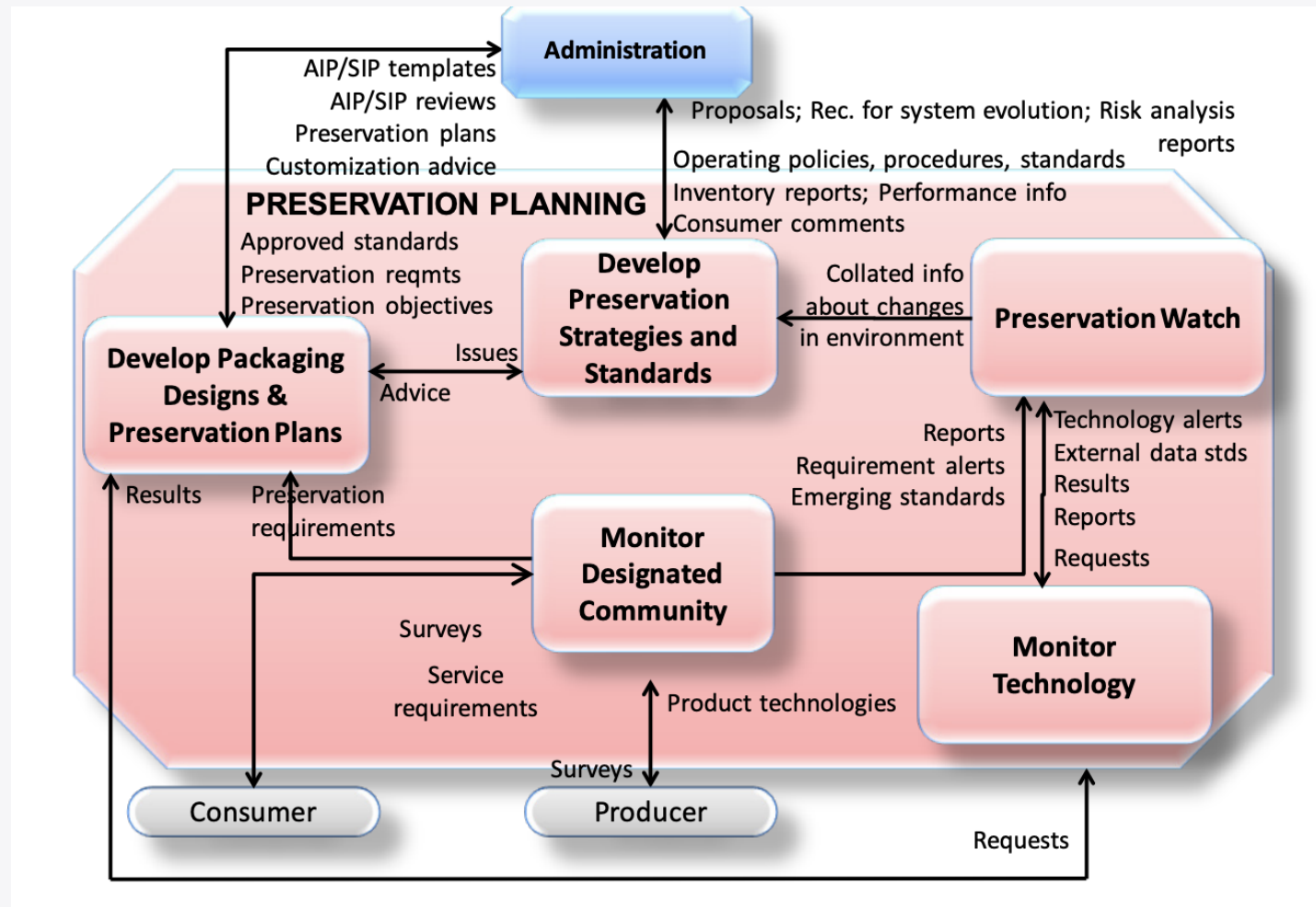
# Continuity of Access – Seeking New Robust Solutions

Initially, Digital Preservation Network (DPN) membership.

Currently, active membership in the Data Preservation Alliance for the Social Sciences (Data-PASS):

- Succession agreement and transfer protocols
- Also inter-institutional coordination on metadata and preservation-related issues
- Public statements on policy-related questions

# Preservation Planning for the Long Term



# What Exactly is “the Long Term”? 😊

*Long Term: A period of time long enough for there to be concern about the impacts of changing technologies, including support for new media and data formats, and of a changing Designated Community or changes to the Designated Community’s Knowledge Base, on the information being held in an OAIS. This period extends into the indefinite future.*

# Forward-Looking Efforts

## DPC's Rapid-Assessment Model and Forward Plan Template

Digital Preservation Coalition Rapid Assessment Model (DPC RAM)

Assessment Worksheet				
Organization:				
Number of employees:				
Type of organization:	Archive / Business / Higher Education & Research / Library / Museum or Gallery / Other (Delete as appropriate)			
Scope of assessment:				
Type of content being assessed:	Born digital archives / Digitised document collections / Digitised AV collections / Email / Ebooks / Etheses / Research data / Websites / Other (Delete as appropriate)			
Number of TB of digital content being assessed:				
Time frame used for target levels (e.g. 1/3/5 years):				
Assessment completed by:				
Assessment complete on:				
ORGANIZATIONAL CAPABILITIES				
	Current Level	Why did you select this level?	Target Level	What needs to be in place to get there?
<b>A. Organizational viability:</b> Governance, organizational structure, staffing and resourcing of digital preservation activities.				
<b>B. Policy and strategy:</b> Policies, strategies, and procedures which govern the operation and management of the digital archive.				
<b>C. Legal and ethical:</b> Management of legal, social and cultural rights and responsibilities, compliance with relevant regulation and adherence to codes of ethics related to acquiring, preserving and providing access to digital content.				
<b>D. IT capability:</b> Information Technology capabilities for supporting digital preservation activities.				
<b>E. Continuous Improvement:</b> Processes for the assessment of current digital preservation capabilities, the definition of goals and the monitoring of progress				
<b>F. Community:</b> Engagement with and contribution to the wider digital preservation community.				
SERVICE CAPABILITIES				
	Current Level	Why did you select this level?	Target Level	What needs to be in place to get there?
<b>G. Acquisition, Transfer and Ingest:</b> Processes to acquire or transfer content and ingest it into a digital archive.				

# Questions? Comments? Please Stay in Touch!

Web: <https://qdr.syr.edu>



@qdr@mstdn.science



@qdrepository

Blog: <https://qdr.syr.edu/qdr-blog>

Email: [qdr@syr.edu](mailto:qdr@syr.edu) [Dessi.Kirilova@syr.edu](mailto:Dessi.Kirilova@syr.edu)

**QDR**  
The Qualitative  
Data Repository