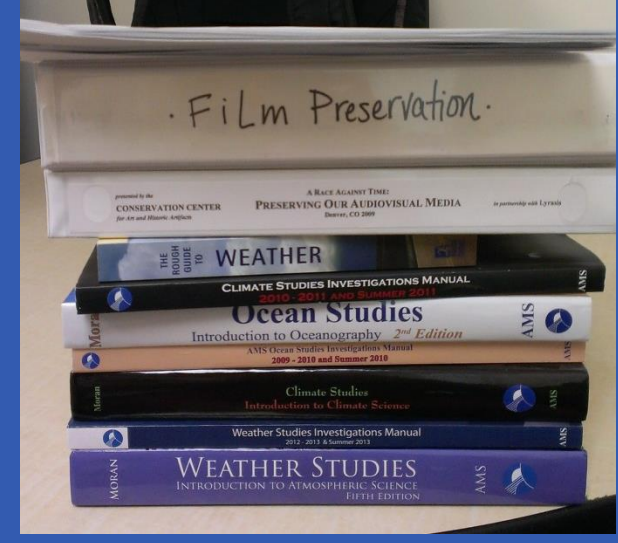


# Unlocking GATE: Gaining Access to Analog Data in a Digital World

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## Step 1: Gain Intellectual Control



- Read project documentation
- Internalize names, dates, and types of data collected.
- Interview Subject Matter Experts (SMEs).

## Step 2: Item Level Inventory



- Record all information on each label for every item.
- Spot check items to ensure labels are correct.

## Step 3: Organize



- Create datasets in digital inventory by grouping like items together using advice from SMEs.
- Move physical items into the newly created data groupings.

## Step 4: Standardize

Identifier Title	Description	Page	Doc	Year	Min	Max	Len
1. 15.000.001.001.001	The dataset includes records of aircraft data.	200	200	1974	10	10	10
2. 15.000.001.001.002	The dataset includes records of aircraft data.	200	200	1974	10	10	10
3. 15.000.001.001.003	The dataset includes records of aircraft data.	200	200	1974	10	10	10
4. 15.000.001.001.004	The dataset includes records of aircraft data.	200	200	1974	10	10	10
5. 15.000.001.001.005	The dataset includes records of aircraft data.	200	200	1974	10	10	10
6. 15.000.001.001.006	The dataset includes records of aircraft data.	200	200	1974	10	10	10
7. 15.000.001.001.007	The dataset includes records of aircraft data.	200	200	1974	10	10	10
8. 15.000.001.001.008	The dataset includes records of aircraft data.	200	200	1974	10	10	10
9. 15.000.001.001.009	The dataset includes records of aircraft data.	200	200	1974	10	10	10
10. 15.000.001.001.010	The dataset includes records of aircraft data.	200	200	1974	10	10	10
11. 15.000.001.001.011	The dataset includes records of aircraft data.	200	200	1974	10	10	10
12. 15.000.001.001.012	The dataset includes records of aircraft data.	200	200	1974	10	10	10
13. 15.000.001.001.013	The dataset includes records of aircraft data.	200	200	1974	10	10	10
14. 15.000.001.001.014	The dataset includes records of aircraft data.	200	200	1974	10	10	10
15. 15.000.001.001.015	The dataset includes records of aircraft data.	200	200	1974	10	10	10
16. 15.000.001.001.016	The dataset includes records of aircraft data.	200	200	1974	10	10	10
17. 15.000.001.001.017	The dataset includes records of aircraft data.	200	200	1974	10	10	10
18. 15.000.001.001.018	The dataset includes records of aircraft data.	200	200	1974	10	10	10
19. 15.000.001.001.019	The dataset includes records of aircraft data.	200	200	1974	10	10	10
20. 15.000.001.001.020	The dataset includes records of aircraft data.	200	200	1974	10	10	10

- Apply standard titles, names, and day ranges using advice from SMEs.
- Re-create missing metadata from documentation.

## Step 5: Appraise/Select



- Evaluate for duplicates, missing items, or items needing to be prioritized for preservation.
- Decide which items, if any, to dispose of with the help of SMEs.

## Step 6: Assign Identifiers



- Choose an identifier scheme, working with existing internal standards if applicable.
- Assign dataset-level and item-level IDs. Attach identifiers to each item.

## Step 7: Ingest/Digitize

UN*X101	UN*X102	UN*X103	UN*X104	UN*X105	UN*X106	UN*X107	UN*X108	UN*X109	UN*X110
15.000.001.001.001	15.000.001.001.002	15.000.001.001.003	15.000.001.001.004	15.000.001.001.005	15.000.001.001.006	15.000.001.001.007	15.000.001.001.008	15.000.001.001.009	15.000.001.001.010
15.000.001.001.011	15.000.001.001.012	15.000.001.001.013	15.000.001.001.014	15.000.001.001.015	15.000.001.001.016	15.000.001.001.017	15.000.001.001.018	15.000.001.001.019	15.000.001.001.020

- Make inventory accessible for user community.
- Digitize, if desired.
- New digital objects can proceed into established workflow.

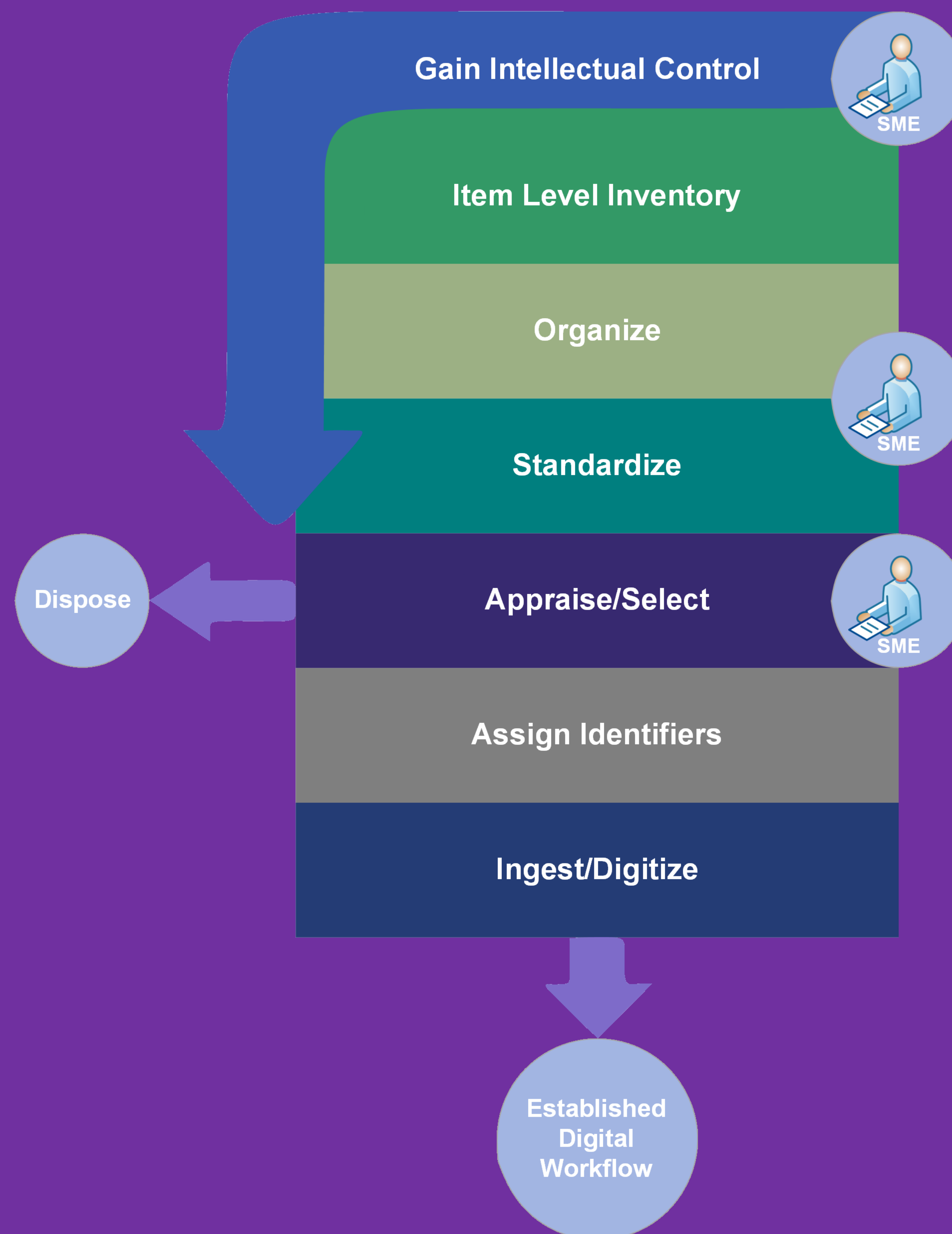
## Overview of GATE

The **G**lobal Atmospheric Research Program's **A**tlantic **T**ropical **E**xperiment was a 3 month-long international field project conducted in 1974 to understand more about the role of scale interaction in the evolution of tropical weather patterns and hurricane formation. It included participation of 72 countries and over 50 data-collecting platforms (13 aircrafts and 40 ships).

## Overview of This Project

With responsibility for the stewardship of GATE data extending into 2050, the goal of this project was to make GATE data holdings accessible online and to recommend further steps. The project also investigated the application of born-digital data curation practices to analog data holdings and examined the potential overlap of archival principles to these practices.

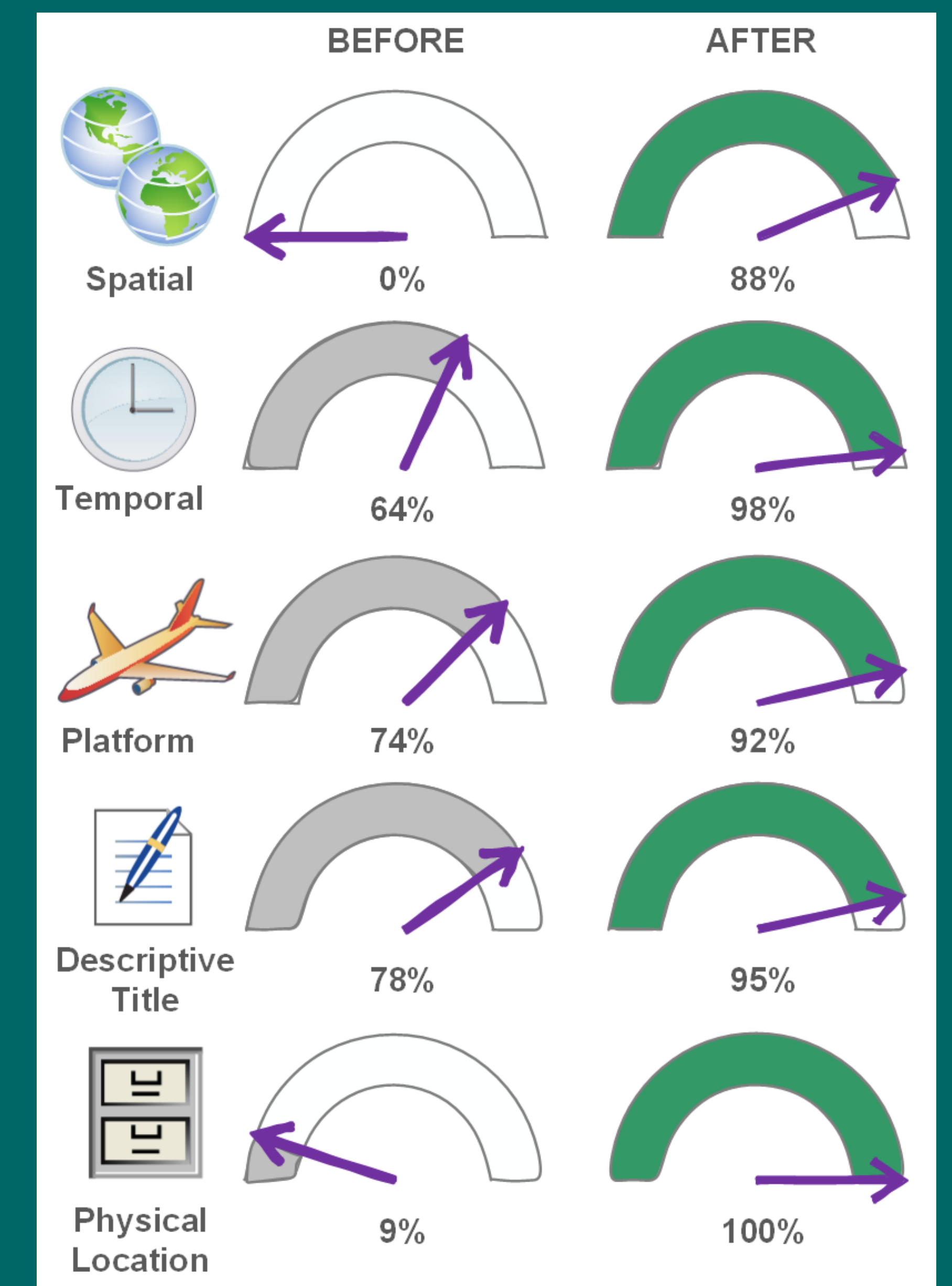
## Data Rescue Process



## Results

### Metadata Improvements for Increased Access

Because a large portion of the project focused on re-creating and standardizing metadata, five essential elements for quality metadata were measured for improvement. The graphic outlines the percentage of items that included these characteristics in the metadata prior to the data rescue process versus the percentage of items that included these elements in the metadata after re-creation.



## Data Holdings

