

USDA-FSA-APFO CONSOLIDATED HISTORICAL PROJECT (CHP)

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A decorative border with intricate floral and scrollwork patterns in white, framing the central content against a dark background.

AGENDA

- ❖ Project Goal
- ❖ Plan Development
- ❖ Example of Interdependency Between Sub Projects
- ❖ Current Status

A decorative scrollwork border in white on a black background, framing the central text. The border features intricate floral and vine patterns at the top, bottom, and sides.

PROJECT GOAL

❖ To help ensure a structured and realistic implementation of historical project work at APFO

❖ We have a ton of historical data, information, and assets.

What are we going to do with it, so it is accessible, thus usable?

A decorative border with intricate scrollwork and floral patterns surrounds the central text. The border is white on a dark background, with a central floral motif at the top and bottom.

DEVELOP A PLAN

- ❖ Develop the CHP Plan and use it as a living document
 - For implementation of historical sub projects
 - Foster good communication between sub project areas
 - Make complex scenarios simpler by clarifying the interdependencies between sub project areas
 - Seek well organized prioritization and logical ordering of work
 - For annual or as needed resource request justification
 - Work within resource means, while keeping an eye on technology, budgetary, and political changes on the horizon...projects with long timeframes



VISION AND MISSION STATEMENTS

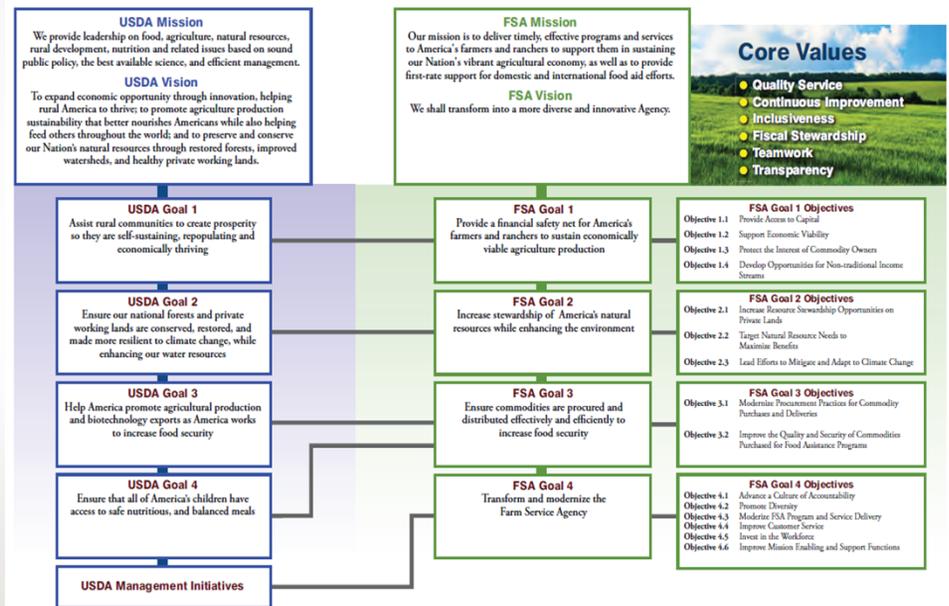
❖ *VISION STATEMENT - Modern day access to historical agricultural imagery assets*

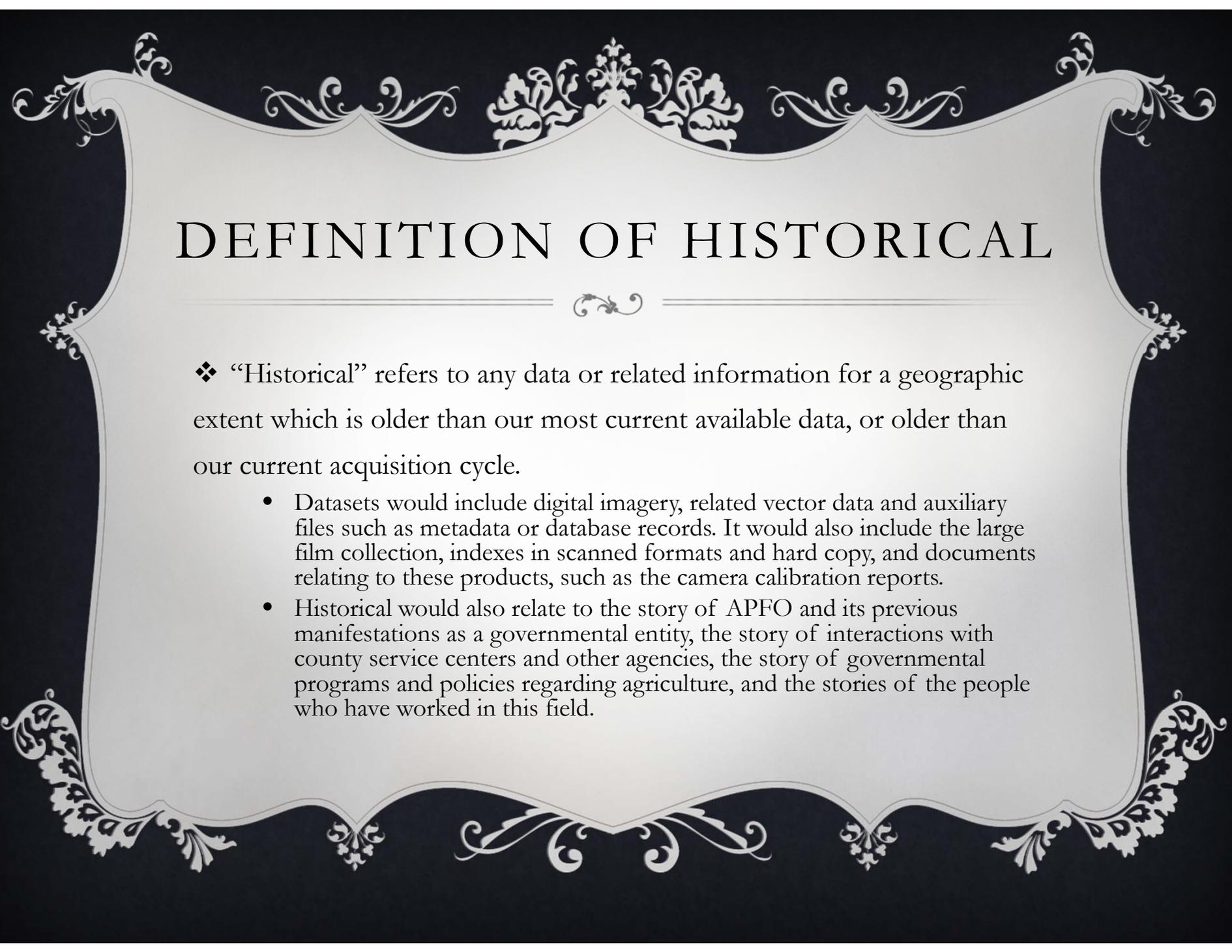
❖ *MISSION STATEMENT - To spatially enable historical imagery assets and provide access to all product lines, leveraging current technology that results in the most useful viewing, research, analysis, and delivery methods for our customers*

STRATEGIC PLAN ALIGNMENT

All sub projects within the Plan must align with the APFO, thus the FSA and USDA Strategic Plans. The Vision and Mission Statements have been developed such that if the intended end state of a sub project is to take steps towards achieving the Mission, it *has* aligned with USDA, FSA, and APFO Strategic Plan goals, thus is valid to pursue.

Strategic Plan Framework



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DEFINITION OF HISTORICAL

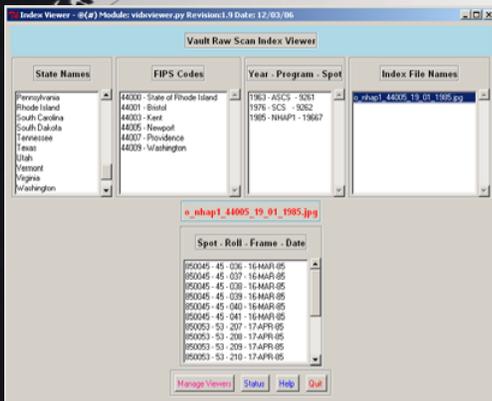
❖ “Historical” refers to any data or related information for a geographic extent which is older than our most current available data, or older than our current acquisition cycle.

- Datasets would include digital imagery, related vector data and auxiliary files such as metadata or database records. It would also include the large film collection, indexes in scanned formats and hard copy, and documents relating to these products, such as the camera calibration reports.
- Historical would also relate to the story of APFO and its previous manifestations as a governmental entity, the story of interactions with county service centers and other agencies, the story of governmental programs and policies regarding agriculture, and the stories of the people who have worked in this field.

SUB PROJECT LISTING (ABBREVIATED LIST)

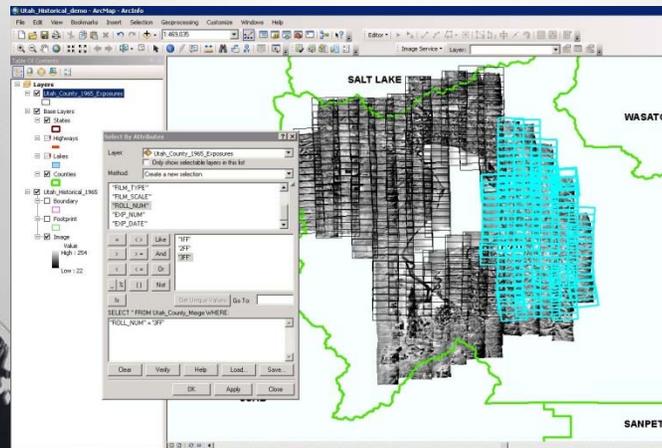
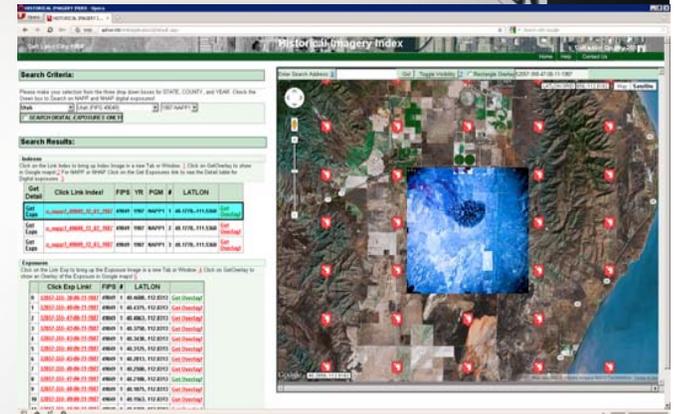
- ❖ Scanning the Film Vault
- ❖ Historical Data Archiving
- ❖ Ortho and Georeferenced Imagery Production and Repair
- ❖ Vault Index Scans and Shapefile Repair
- ❖ Historical Imagery Research and Ordering Tool
- ❖ Congressional Proposal to Scan and Spatially Enable Film Vault
- ❖ NARA and/or NAL Affiliation
- ❖ Film Vault Tracking Software
- ❖ Archiving of Digital Source Data
- ❖ 10 Year Preservation Plan, Consideration for Technology Change, Data Rot, Storage Trends, etc.
- ❖ Historical MOUs, Agency and Team/Group Activities, Partnering, and Outreach
- ❖ APFO Historian
- ❖ Maintaining APFO Website Related to Historical
- ❖ Maintain USDA Joint Products and Services Catalog
- ❖ Data Inheritance Plan (long term data stewardship)
- ❖ Consideration for Archival of Varied Hard Copy Data Sources: Film Reports, AT Reports, Topographic Maps, Indexes, etc.
- ❖ Interactive Catalog Listing
- ❖ Tabular Data Reconciliation and Repair

WHY IT'S IMPORTANT THAT SUB PROJECT AREAS COMMUNICATE – HISTORICAL IMAGERY RESEARCH/ORDER TOOL

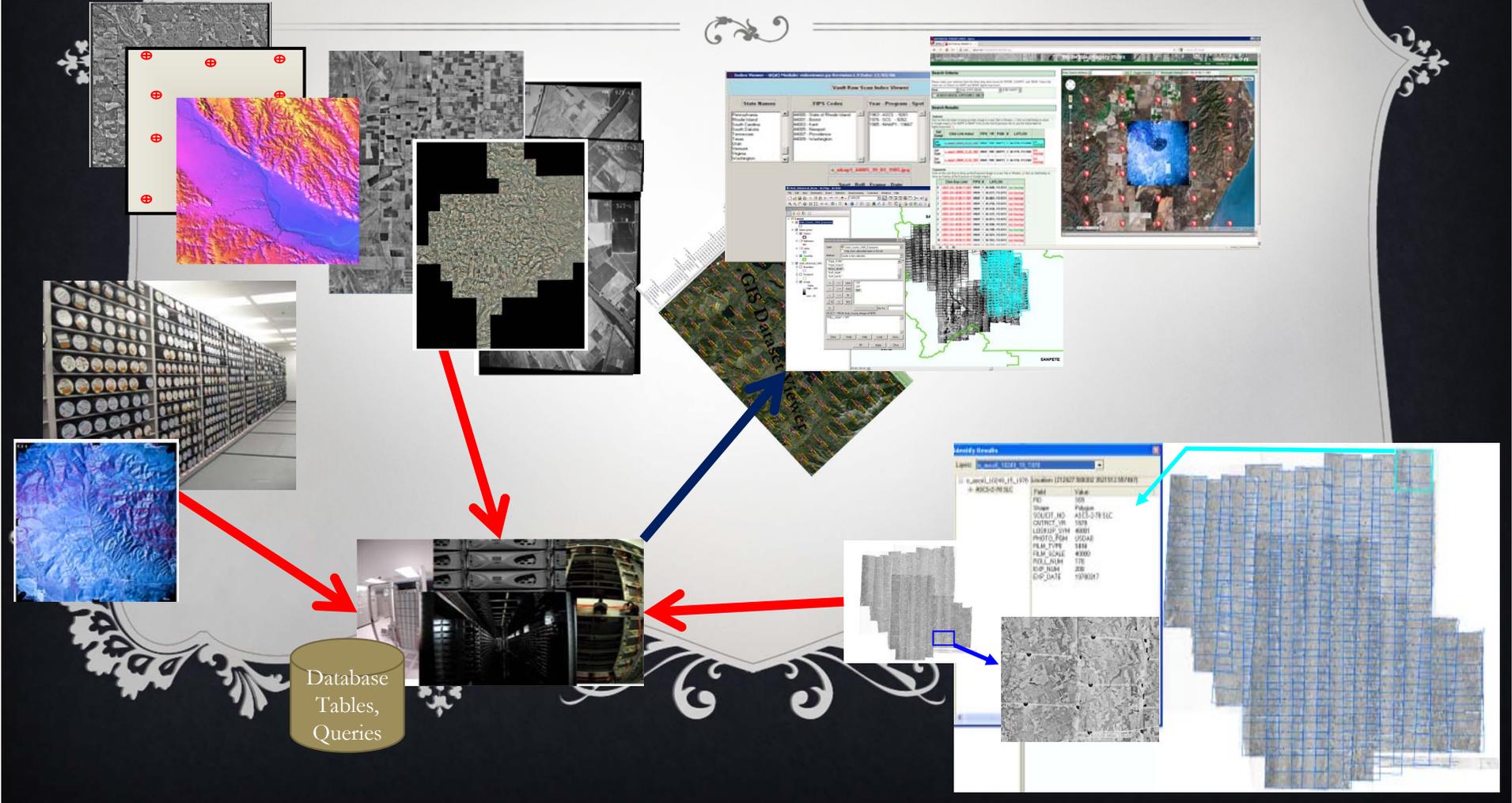


- We want to be able to (now):
- Research Imagery w/o Touching Film
 - Display Imagery

- And eventually:
- Display/Analyze Imagery Spatially
 - Order/Distribute Imagery Efficiently

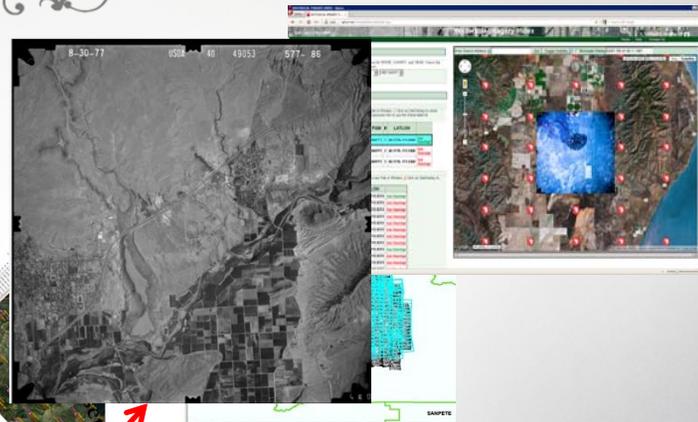


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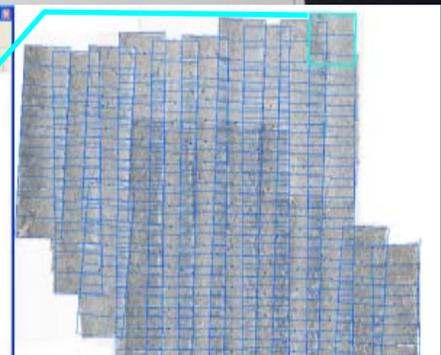
Image is Archived and File Name is Databased
49035_12_00aal_0012v_0152_1958.tif
Not Spatial Data but has an Image



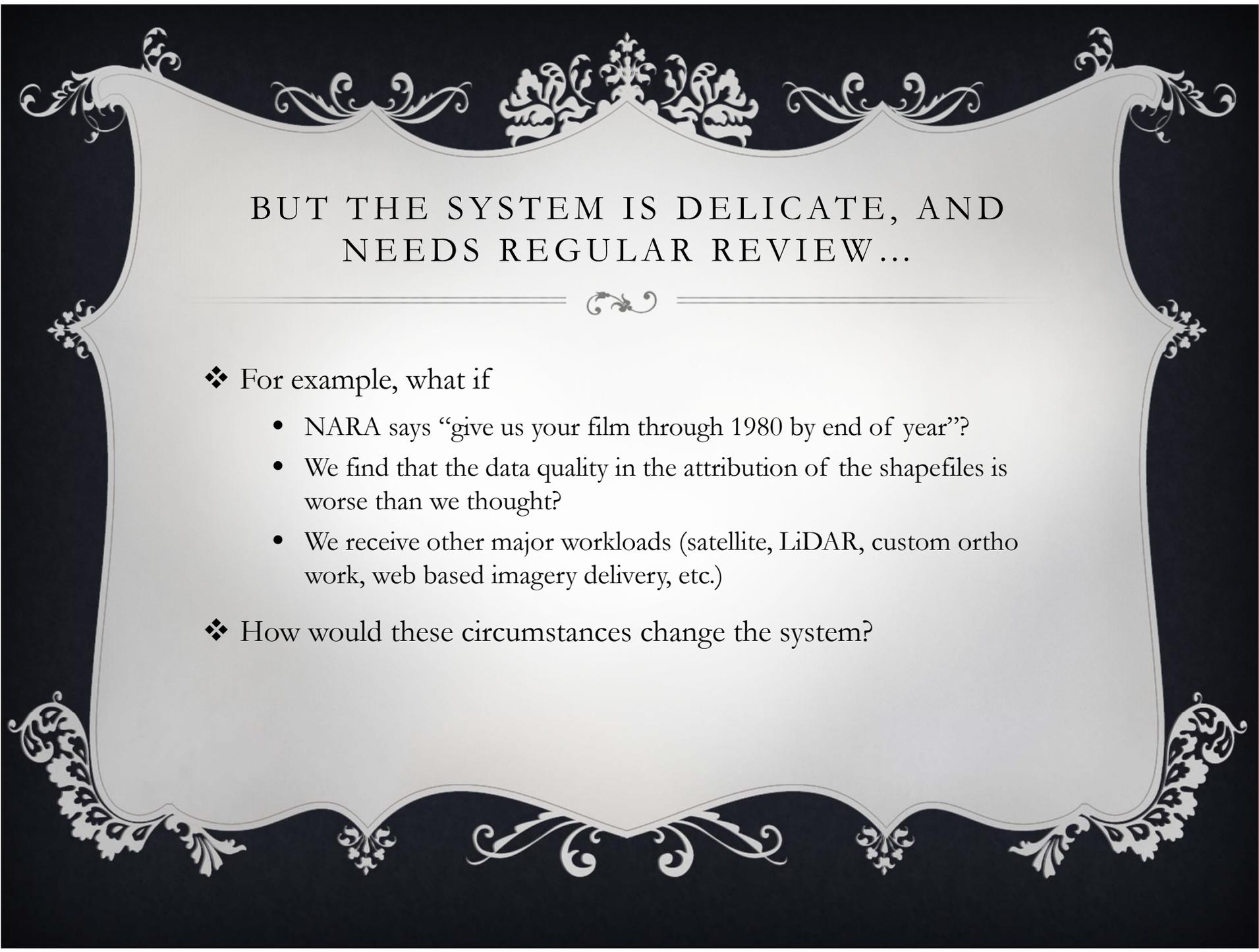
Query is built in the database that uses the spatial attributes of an image extent and finds the file name of a scanned image, and renders the image for the user inside an one of these applications...

Database
Tables,
Queries

File	Shape	OBJECT_ID	OBJECT_NAME	OBJECT_TYPE	OBJECT_CREATION_DATE	OBJECT_MODIFIED_DATE
49035_12_00aal_0012v_0152_1958.tif	Polygon	49035_12_00aal_0012v_0152_1958	49035_12_00aal_0012v_0152_1958	POLYGON	2008-08-30 10:00:00	2008-08-30 10:00:00



Polygon Image Extent Archived and Attributes of Each Image Extent Databased...**Spatial Data but No Image**



BUT THE SYSTEM IS DELICATE, AND
NEEDS REGULAR REVIEW...

- ❖ For example, what if
 - NARA says “give us your film through 1980 by end of year”?
 - We find that the data quality in the attribution of the shapefiles is worse than we thought?
 - We receive other major workloads (satellite, LiDAR, custom ortho work, web based imagery delivery, etc.)

- ❖ How would these circumstances change the system?

CURRENT STATUS

- ❖ Historical Film Vault Scanning
 - ❖ Repair of Spatial and Non-Spatial Indexes and Shapefiles
 - ❖ Ortho Imagery Generation and Archiving
 - ❖ Research, View, Order, Distribution Application
 - ❖ NARA and NAL Relationships
- Production
- Access
- Administrative

QUESTIONS

