

**Host Mentor:** Margaret Bresnahan

**Organization:** Minnesota Public Radio

**Resident:** Kate McManus

### **Original Project Plan**

Schema Reconciliation: analysis and recommendation for schema normalization within MPR's production systems. The Resident examines the metadata schemas used across the production systems that the Archive interacts with, including the Archive's audio database, Content Management Systems (Itasca and Drupal), and internal production and broadcast systems (e.g. Dalet), reports disparities and recommends changes to improve metadata sharing across systems.

Public Access: efficient and controlled publishing for web, partners and aggregators. The Resident will connect story metadata on the Archive's public website with the internal archive records for each story. Resident will also establish a workflow that supports the publication of Archive stories.

Disambiguation: metadata cleaning and RDF tagging for people, places and events in the Archive's audio database. Resident will propose a workflow and environment for cleaning and controlling name-based metadata with methodology that can efficiently and effectively be applied to the over 300,000 existing stories and stories added to the database at a later date. Resident will assess existing name-based metadata, create a manifest documenting the true or standardized names referenced within the audio database, and propose a workflow for executing massive name-based metadata restoration.

Marketplace: assess the collection and initiate a plan for preservation and reuse. Assess all archive elements in Marketplace production systems (ENPS, David, Dalet, CDs, Drupal, physical, etc.) and propose workflow to get metadata and audio into the Archive's audio database.

### **Changes to the Original Project Plan**

Schema Reconciliation: our Resident, Kate, refined the scope of the survey to focus on the Archive's audio database and the Archive's Drupal content management system, the latter of which underwent a planned migration during the course of her residency. Because these two systems contained some of the most central archive datasets, it made sense that a refined scope would focus on them. However, since the two systems share very similar schema structure, the project became less about mapping schema sets and more about assessing use of schema.

Public Access: during the course of the residency, the Archive's public website underwent a planned migration from a Drupal CMS to an in-house CMS. As part of this migration, Kate had the opportunity to get to know the different functions and offerings of two systems that were built for the same goal of public access to the Archive. Her work shifted away from connecting the public (Drupal) and internal (MySQL) databases (linking story records, metadata schemas, etc.) to editing stories for publication on the new archive CMS and framing up a workflow for doing so. This was serendipitous with the end of two multi-year grant projects, both of which required story publication as part of the grant deliverable. It was wonderful that Kate could help complete these deliverables.

Disambiguation: rather than focusing on disambiguation of name-based metadata, Kate made the disambiguation project an extension of the Schema Reconciliation project she worked on earlier in the residency. The result was a high-level sample of schema options and usage, and a summary of some the Archive's database needs.

Marketplace: the turn around on this project was tighter than expected, and the bulk of the project time focused on becoming familiar with the various archival elements and production systems. Final documentation included a summary of elements, systems, and workflows discovered during Kate's investigation.

## **Project Milestones and Deliverables**

Milestones included the launch of the Archive's new website (archive.publicradio.org), and a major deliverable was the publication of over 14,000 new stories to the new site. Kate led the metadata editing of the latter, a feat which would have been difficult to achieve without her help. She also got a production-level view of many of the Archive's key systems, and worked with them during significant moments of their / the Archive's evolution. The majority of the remaining project deliverables were narrative, example-based summaries of Kate's observations while working on the diverse range of projects.

## **Project Impact and Outcomes**

### *The Institution*

The biggest outcome of Kate's residency was the publication of 14,000 stories to the new archive website. Her flexibility in taking on the metadata editing in this deliverable was of great benefit to the entire archive team, and the impact on the broader community that MPR serves—our listeners—was of immediate and lasting impact.

### *The Professional Community*

While at MPR, Kate participated in a number of local and national archive conferences and meetings that the MPR Archive is seldom represented at, presenting on her work at MPR and with the NDSR community. Her interest in sharing her work with these communities helped bring the tools and focus of a production-based media archive into new realms.