

Planning & Designing

An Update from Blue Core

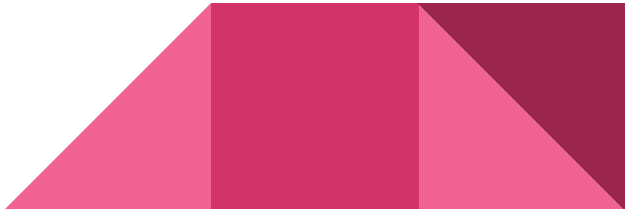
Presented by: Kalli Mathios (Stanford University)

What is Blue Core?

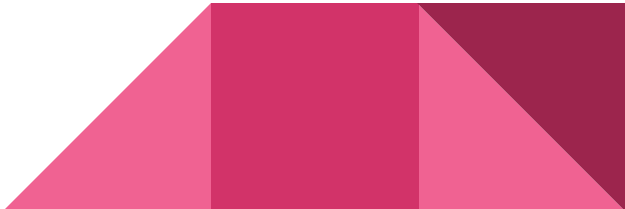
Blue Core is a collaboration that envisions a shared linked data environment to bring BIBFRAME cataloging to production. We aim to shift from established local copying and editing workflows to collaborative community-based practices that can be scaled across production environments, with open data at its core.



Blue Core Vision

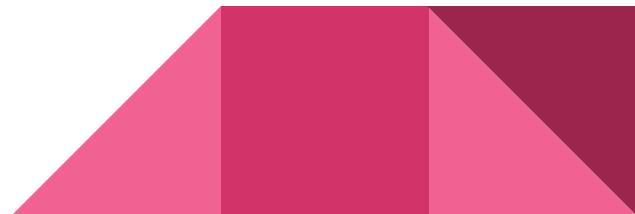
- A shared linked datastore for BF Works, Instances, and more
 - Maintained and operated by a consortium of libraries and structured to grow
 - Integrates with established and emerging systems and providers
 - Breaks the “institutional copy” model and moves towards collaborative cataloging
 - Offers data openly, available to the world for reuse at no charge
 - And is useful and accessible to other institutions
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Blue Core Vision Cont.

- **Supports linked open data work at scale** by accommodating LSP variety, transitioning LD4P tooling, and developing shared production workflows
 - **Functionality and services built** will expand, refine, connect or combine existing, separate solutions and systems
 - **Blue Core Community** embraces collaboration, reciprocity, and plans for multiple levels of engagement
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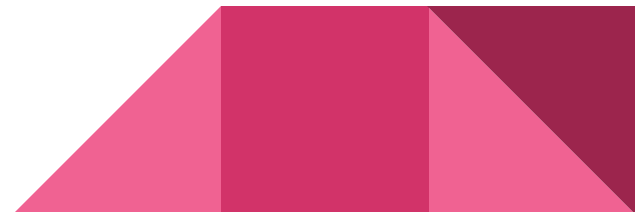
Blue Core Project Update

- Welcoming new members
- Establishing working groups
- Planning for community
- Designing a Blue Core prototype
- Next steps



Welcoming New Members

- **University of California, Davis**
- Cornell University
- Library of Congress
- Stanford University
- University of Pennsylvania



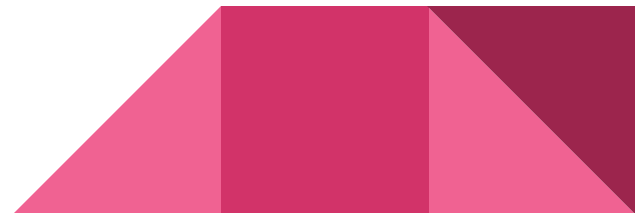
Blue Core Governance

- Governance provides leadership, and furthers shared vision and goals
- Contributes team members to Technology and Cataloging project teams
- Hosts and plans in-person summits for focused discussion and planning
- Developing principles for participation, shared policies, and partnerships



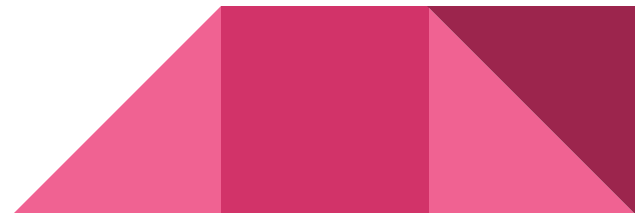
Cataloging Norms & Metadata Working Group

- Developing technical BIBFRAME documentation
 - Entities in scope (Works, Instances, and Events)
 - Defining duplicates
 - Prototype indexing needs
 - Standards for ingest (approved MARC21 conversion and BIBFRAME PCC/LC profiles)
 - Workflows (“original”, “copy”, and bulk)



Cataloging Norms & Metadata Working Group Cont.

- Developing a Community Cataloging Plan
 - Utilizes effective patterns from Wikimedia communities of practice
 - Blue Core / BIBFRAME cataloger virtual meetups
 - How to best prepare for a collaborative cataloging environment?



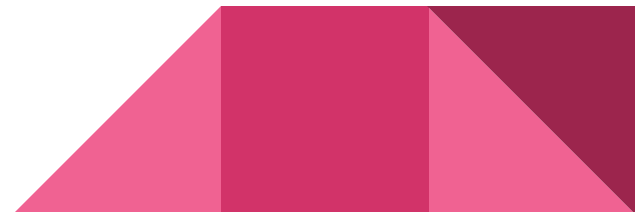
Technical Systems Working Group

- Developing the Blue Core Technical Project Plan
- Refining and enhancing Blue Core architectural diagram
 - APIs drive all services
 - Ingest, export, and maintenance services, lookups, change notifications (e.g. ActivityStreams), search, and reporting
 - APIs are open and allow for other editors and tools to interact with the system
- Defining requirements and options for a “just right” prototype



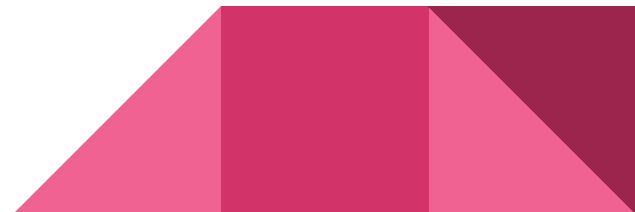
Technical Systems Working Group Cont.

- Evaluating landscape for existing technology to adopt or adapt
- Aims to transition Mellon funded LD4P efforts: skills, knowledge, tools, tech
 - Sinopia Editor
 - Sinopia Database
 - Questioning Authority lookup service
 - PCC data pool
 - Discovery knowledge panel and data enrichment outputs
 - Performed Music Ontology
 - Art and Rare Materials BIBFRAME extension
 - Experiences using Wikidata and Wikibase

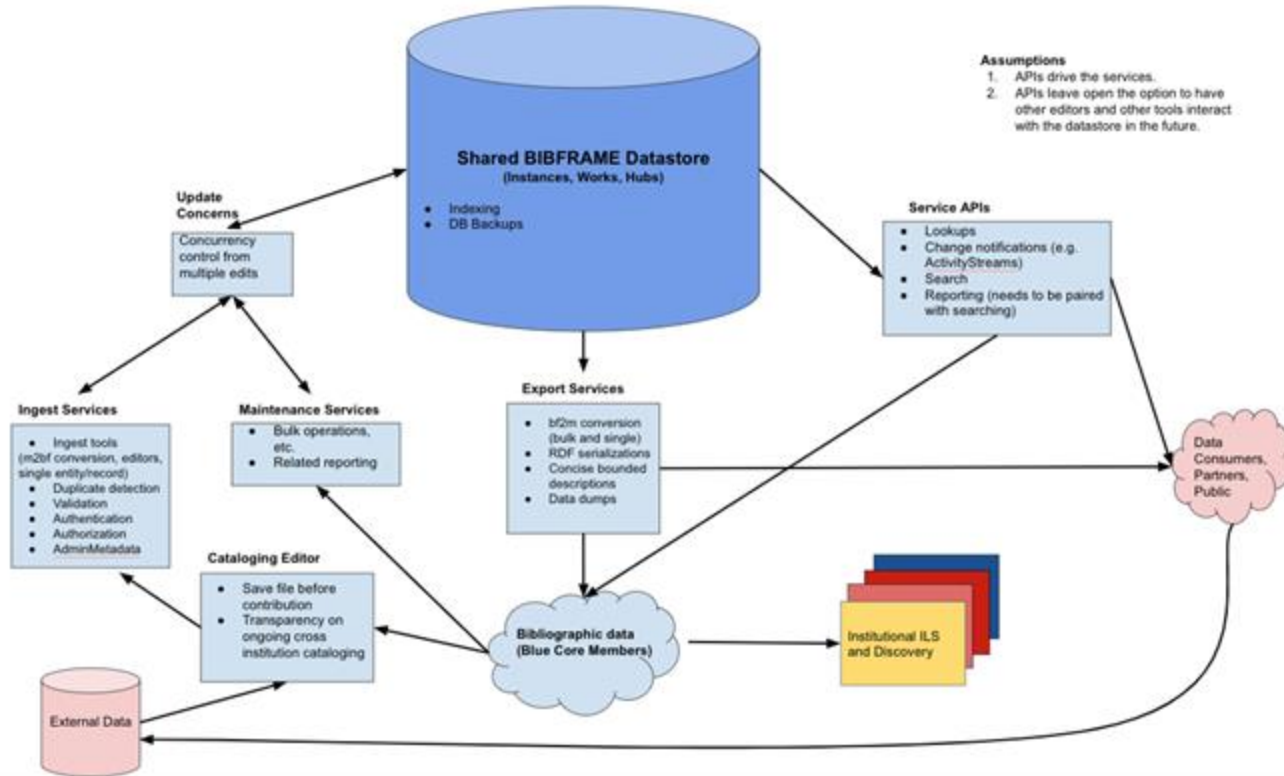


Designing Blue Core: A Prototype

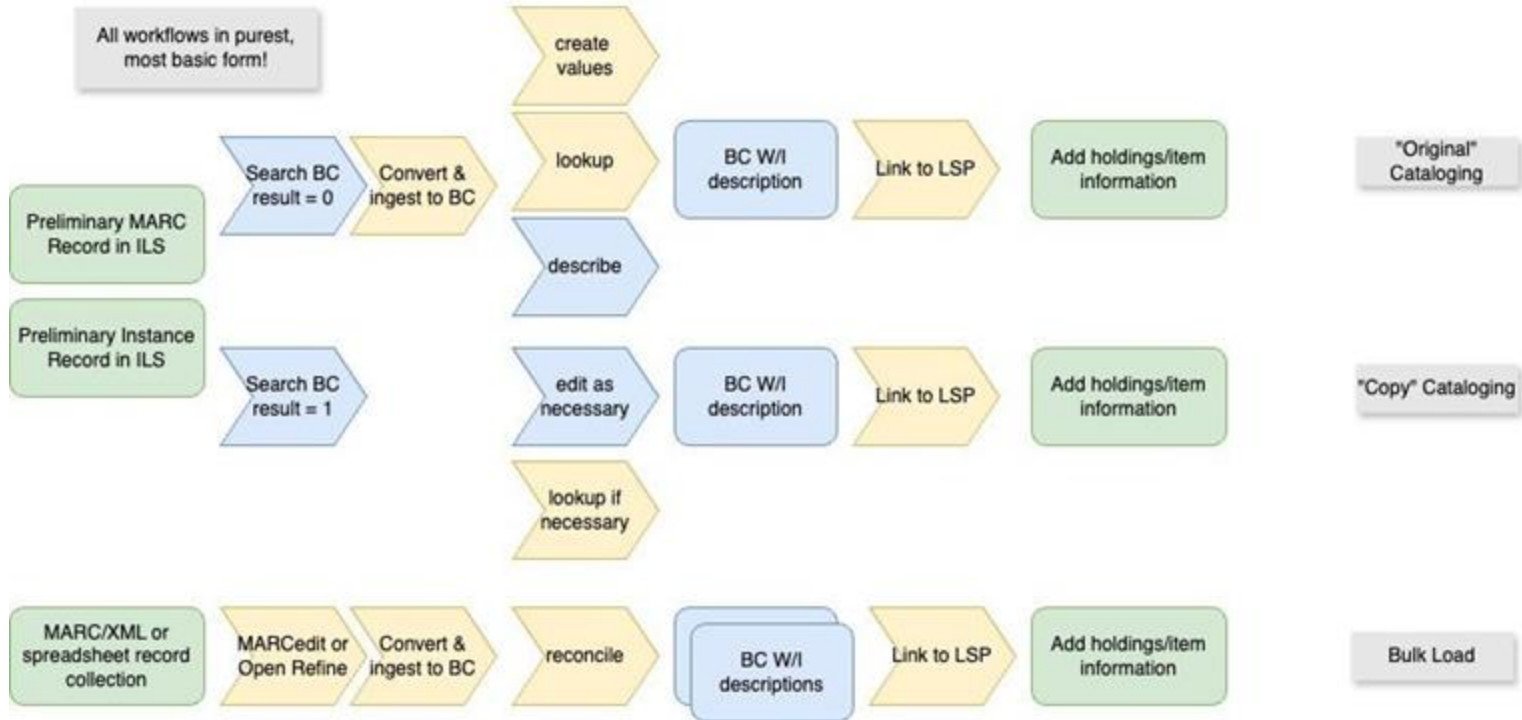
- Outlining associated services and requirements
- Drawing on knowledge and experience to develop prototype environment
- Includes:
 - 350,000 Work entities from id.loc.gov
 - Integration with Sinopia and Marva
 - Batch level ingest and export
 - Updates to consuming systems
 - Search within the database
 - Compatibility review for Alma and FOLIO LSPs



Designing Blue Core



Designing Blue Core Workflows

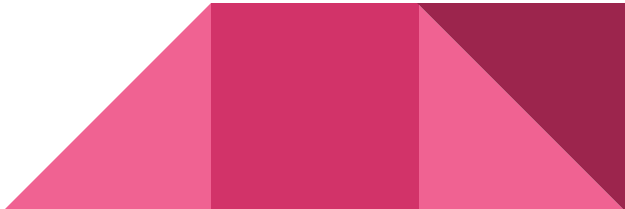


Next Steps

- Conception (2023)
- Planning & Designing Final Plan (2024)
- Testing & Implementation (2025)



Next Steps Cont.

- Evaluate prototype design options and select a path forward
 - Organize and operationalize shared development efforts
 - Engage catalogers and metadata librarians at each institution
 - Continuing refining plans for metadata workflows
 - Continue sharing Blue Core progress with professional communities
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Thank you!