The Future of Resource Sharing:
The Big Ten Academic Alliance’s Vision for Next Generation Discovery to Delivery Systems
Process for Envisioning the Future

2013: Framework for D2D Planning
2015: D2D Phase 2
2016: D2D Vision (comprehensive)
2017: D2D Vision (brief)
2017: Functional Requirements

https://www.btaa.org/projects/library/discover-to-deliver/reports
The Visionaries:

Bruce Barton, University of Wisconsin
Melissa Eighmy Brown, University of Minnesota
Zoe Chao and Angela Davis, Penn State University
Kurt Munson, Northwestern University
Ken Varnum, University of Michigan
The Vision

System silos
Multiple discovery tools and accounts
Little to no control over communications

System interoperability
Unified patron interface
Patron choice
Recognizes Diverse Patron Needs

101 Required reading

Comprehensive exams

301 research paper

Dissertation

Preparing to teach a new course

Sabbatical to complete multi-year project

interface designed with those needs in mind
Visualizing the Vision

GET IT

Pick it up at a campus library today.
1 year loan; no cost

Deliver it to my office address in 2 days.
1 year loan; no cost

Download a chapter in 48 hours.
30 days to download PDF; no cost

Hold in local ILS or LSP

Hold in local ILS or LSP (with delivery)

Article request in ILL management system (doc del)
Visualizing the Vision

GET IT

Pick it up at a campus library in 5 days.
12 week loan; costs library $5

Deliver it to my office address in 7 days.
12 week loan; costs library $5

Download a chapter in 72 hours.
30 days to download PDF; no cost

Loan request in consortial borrowing system

Loan request in consortial borrowing system (with delivery)

Article request in ILL management system (borrowing)
How It Would Work

Discovery + My Account

Library Services Platform

Resource Delivery Management System

Fulfillment network manager (e.g., RapidILL)

Fulfillment network manager (e.g., Relais D2D)

Fulfillment network manager (e.g., Worldshare ILL)
Functional Requirements: Discovery inputs

1. Search terms
2. OpenURL, DOI, and other resolvable resource references
3. Citation entry box or upload point

Plus access options for resolved and unresolved searches
Functional Requirements:
Fulfillment options presented by discovery tool

1. Intelligent options display (keep it simple)
2. Order presentation options (guide patron)
3. Need by date and urgency metric (inform staff decisions)
4. Support patron service classes (align with local policy)
Functional Requirements: Integration

1. My Account
2. Communications
3. Integration between discovery tools and backend systems
Functional Requirements:
Resource delivery management system

1. APIs and protocols
2. Staff interface
3. Use of standard identifiers
4. Flexibility and customization
5. Service integrations
6. Reporting and analysis
7. Test environment
Realizing the Vision

- Community advocacy and engagement
- Partnerships with vendors
- Open architecture and APIs