



The Future of Resource Sharing: The Big Ten Academic Alliance's Vision for Next Generation Discovery to Delivery Systems

University of Illinois ♦ Indiana University ♦ University of Iowa
University of Maryland ♦ University of Michigan ♦ Michigan State University
University of Minnesota ♦ University of Nebraska—Lincoln ♦ Northwestern University
Ohio State University ♦ Pennsylvania State University ♦ Purdue University
Rutgers University—New Brunswick ♦ University of Wisconsin—Madison

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

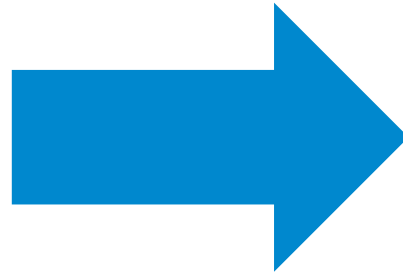
Ken Varnum, University of Michigan

The Vision

System silos

Multiple discovery
tools and accounts

Little to no control
over communications

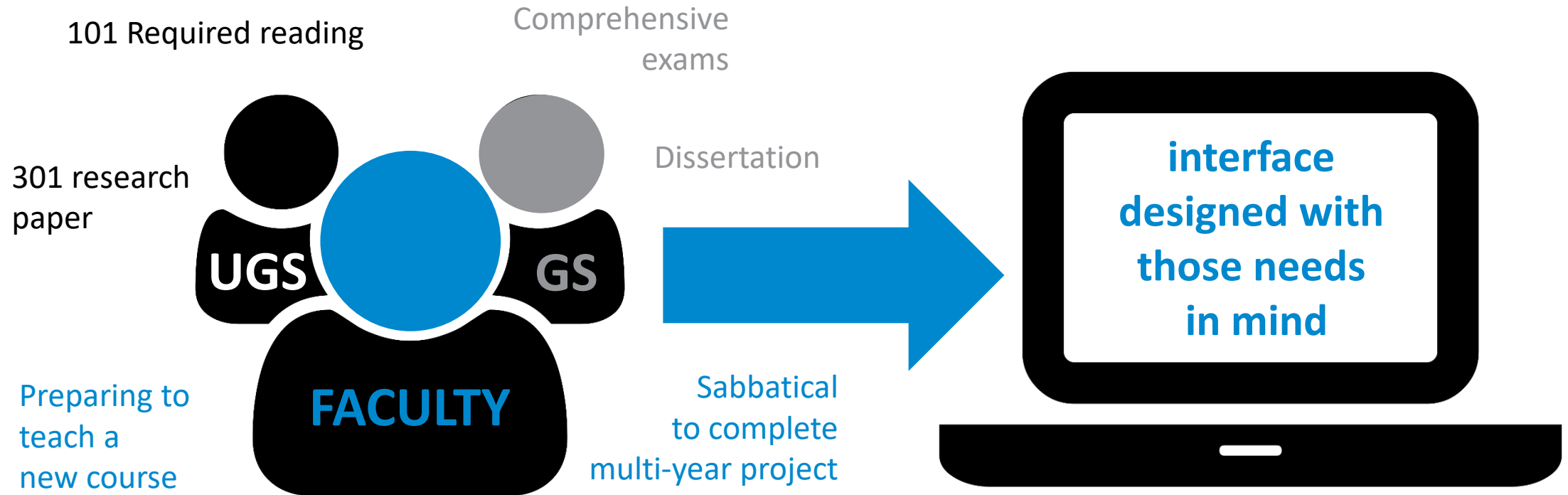


System interoperability

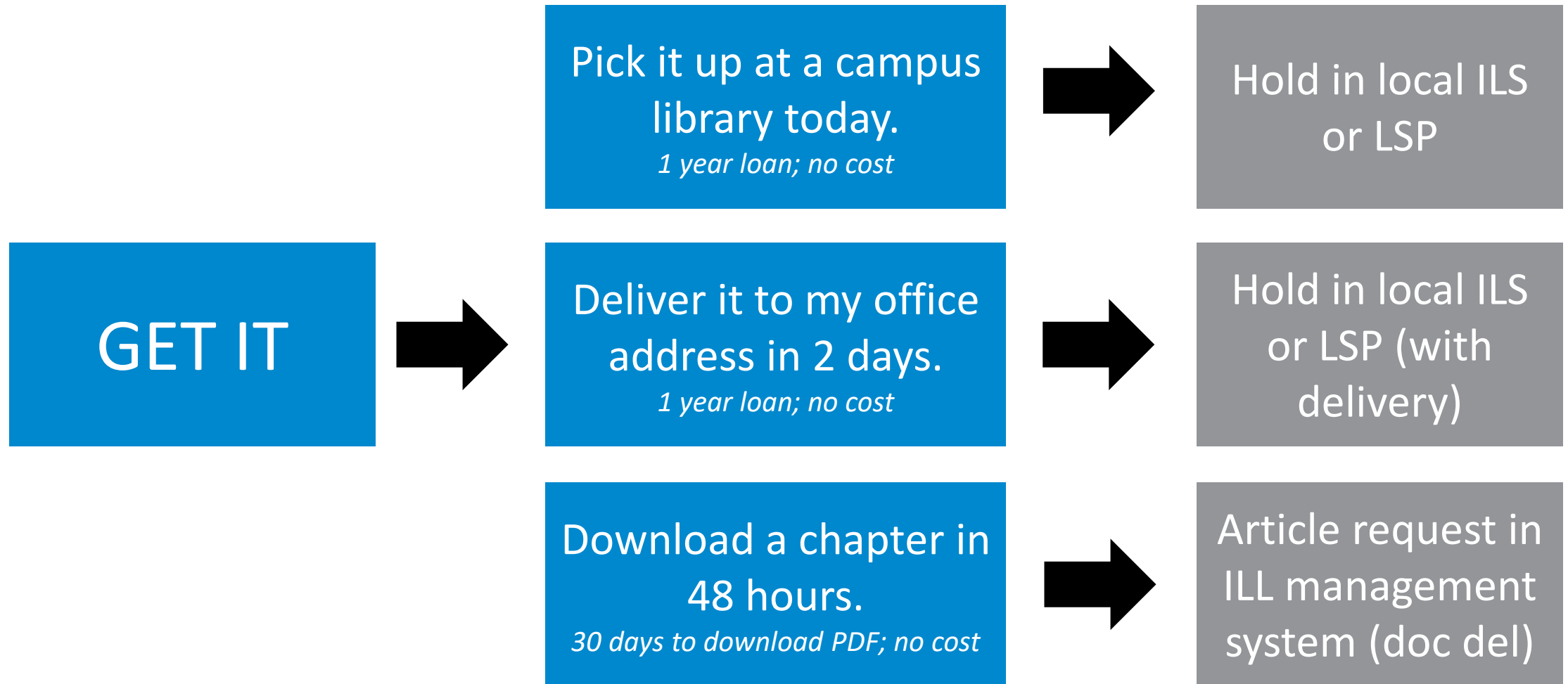
Unified patron interface

Patron choice

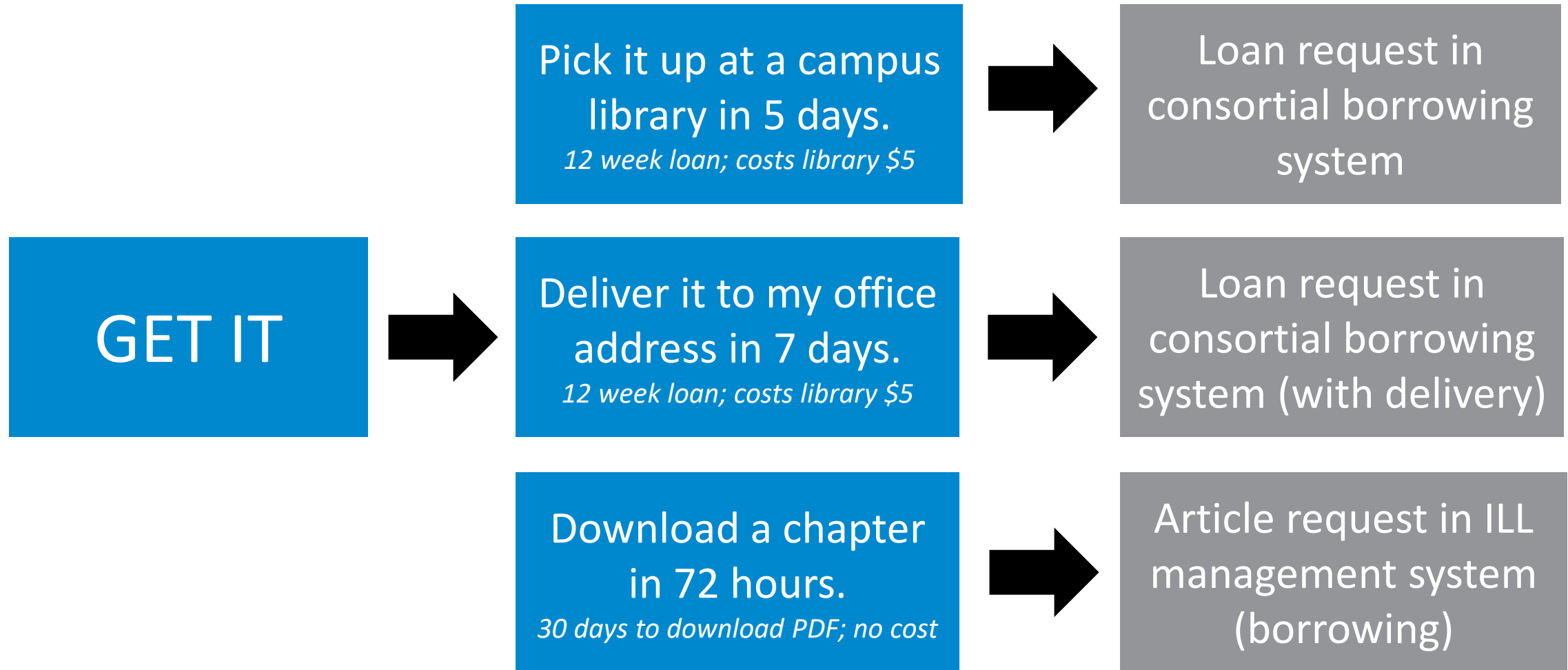
Recognizes Diverse Patron Needs



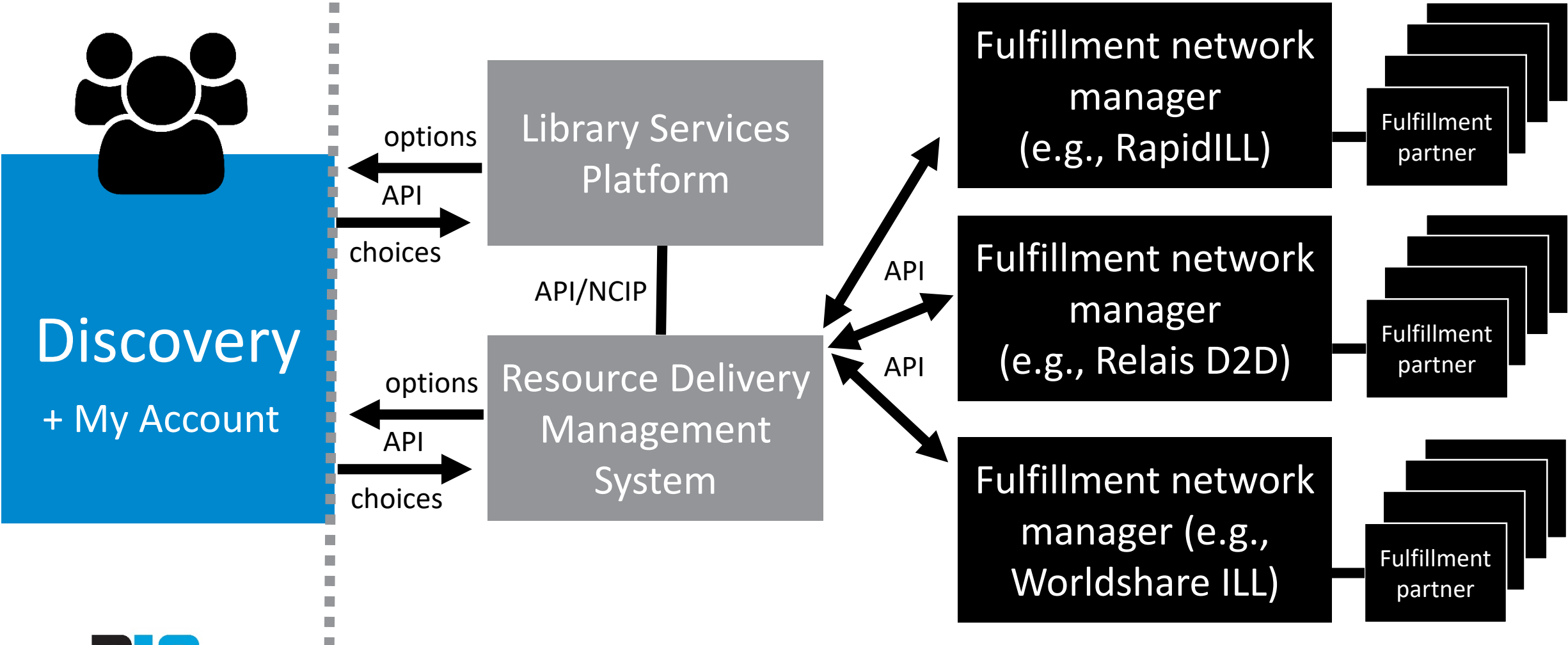
Visualizing the Vision



Visualizing the Vision



How It Would Work



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