



# Beyond the Buzzwords:

Agile collaboration and rejecting the perfectionist mindset  
(how we did it and you can too!)

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Kate Lynch – Hannah Hadley – Hector Correa

## Previously on...

- [Unboxing the Repository Model: Princeton Data Commons \(PDC\) Research Data Repository, a use case for thinking differently](#)
  - DLF Forum 2023
- [Agility, Growth, and Cooperative Service Design: two teams building a data repository during times of change](#)
  - Open Repositories 2024
- [Building Services for the Long Haul with Princeton Data Commons](#)
  - RDAP Summit 2025

### Building Services for the Long Haul with Princeton Data Commons



#### Unboxing the Repository Model

Princeton Data Commons (PDC) Research Data Repository,  
a use case for thinking differently

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Hannah Hadley – Manager, Open Publishing & Repository Services

#### Agility, Growth, and Cooperative Service Design

Two teams building a custom data repository during times of change

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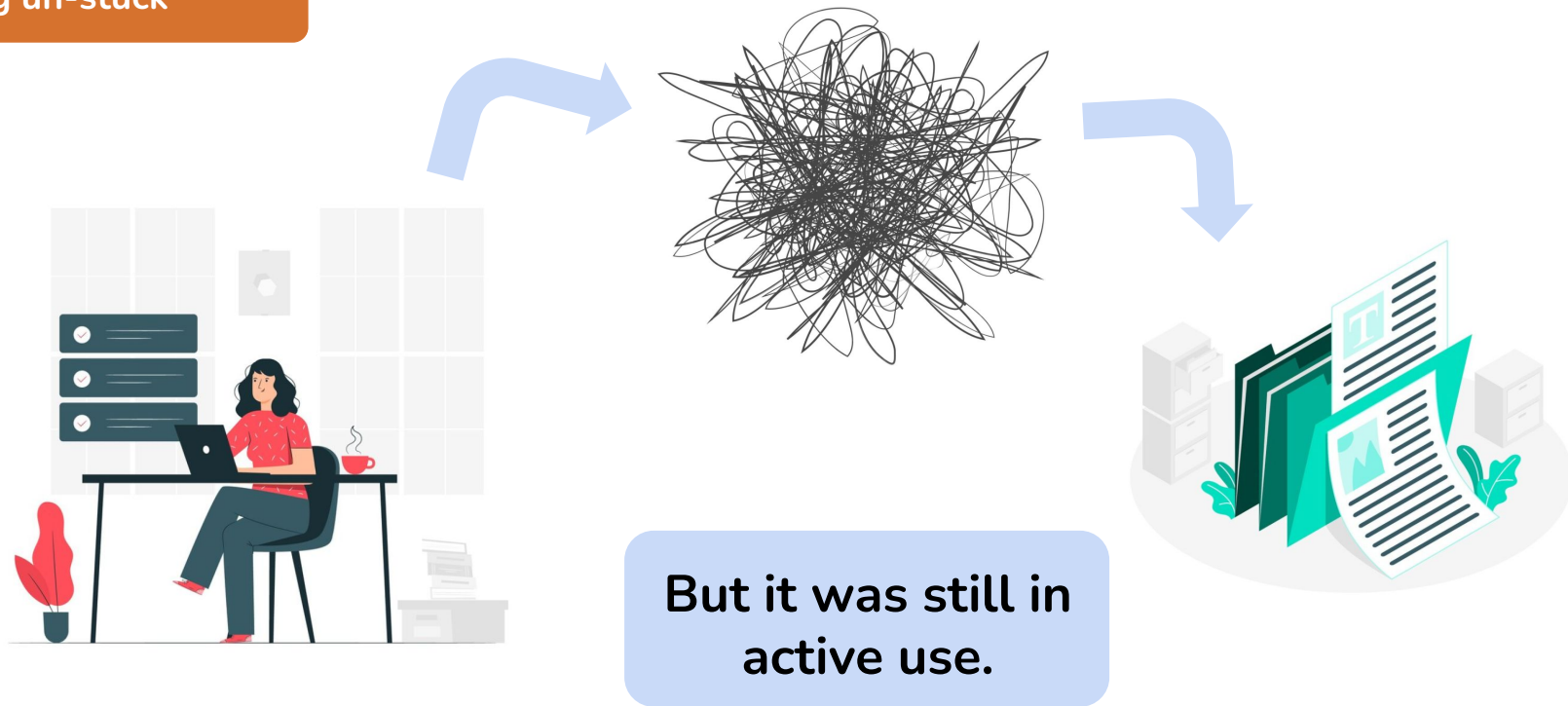


- Situation:
  - Multiple unrelated collections and workflows - a “grab bag” of content
  - Monolithic approach to object lifecycle management
  - Heavily customized in unknown ways over several years before coming to the Library

Image from [Gamespot](#)



## Getting un-stuck



Left image from [FreePik](#) | Center image from [FreePik](#) | Right image from [FreePik](#)

## Previous assumptions

**We need to maintain continuity of service.**

**We need to ensure as much parity as possible in replacement features.**

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## Moving forward

- We need to understand how users need to use the software, what they are trying to accomplish when they use it.

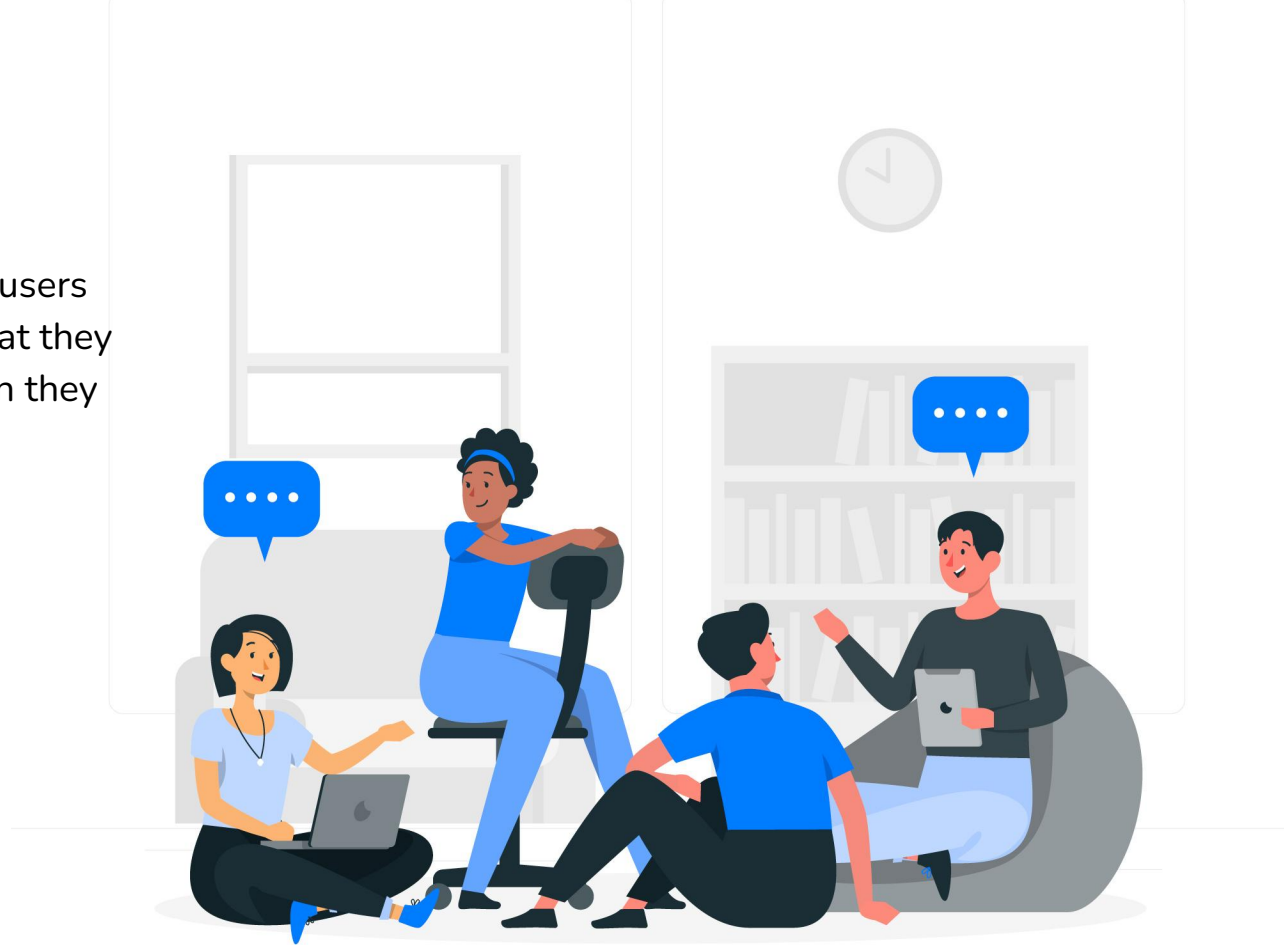


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## Moving forward

- We need to understand how users need to use the software, what they are trying to accomplish when they use it.
- We need to build positive working relationships with our users and stakeholders in ways that enable them to tell us what they need and negotiate how that works in the software.



Image by storyset on [Freepik](#)

## Moving forward

- People need to feel heard.
- People need to feel that their expertise is trusted.



Top image by storyset on [Freepik](#) | Bottom image by storyset on [Freepik](#)

- Improving Communication

### ***Situation:***

- Two Teams
- Varied Professional Backgrounds



- Improving Communication

### Obstacle:

- Varied professional experiences
  - Jargon
  - Different priorities
  - Incorrect Assumptions



- Improving Communication

### Solution:

- Professional opportunities for the team to grow together
  - Sharing perspectives
  - Training together
  - Including one another
  - Building Trust



### Examples :

- Curator walk-throughs; also “gaming” curation to make understanding fun
- Cross-team PO trainings
- Cross-team involvement in stakeholder interviews
- Cross-team presentations



- Improving Communication

### Solution:

- Professional opportunities for the team to grow together
  - Sharing perspectives
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  - Building Trust

THIS MUST BE ONGOING



- Diverse backgrounds allow us to leverage valuable connections more broadly
  - Extends opportunities to collaborate and share expertise
  - Community is important for every aspect of this work





## Open Access Repository (Custom DSpace 5x)

### Problems:

- Customizations don't allow for an advisable upgrade
- Local development
  - Ruby on Rails shop
  - At capacity with other projects

## Example: Replacing Legacy Software

Open Access Repository  
(Custom DSpace 5x)

### *Towards a Solution:*

#### Key Problems:

- Customizations don't allow for an advisable upgrade
- Local development
  - Ruby on Rails shop
  - At capacity with other projects



**We need to outsource**



- Leverage connections to interview colleagues at similarly scoped institutions that have outsourced repository solutions

# Research Infrastructures

That our teams are involved in managing

## *Projects that are developed locally*

### Princeton Data Commons (PDC)

- Ruby on Rails
- Apache Solr
- AWS
- Globus

### ORCID at Princeton

- Ruby on Rails

### Tiger Data

- Ruby on Rails
- Mediaflux
- Various storage

### OA Waiver Database

- Ruby on Rails
- Apache Solr

## *Projects that will be outsourced*

### Thesis and Dissertations

(DSpace 5x - formerly  
DataSpace)  
DSpace 8

- Java

### Open Publications

(name TBD)  
(DSpace 5x - soon to  
retire Open Access  
Repository, OAR)  
DSpace 8

- Java

### Open Publishing (Manifold)

- Ruby on Rails
- Other ([see website](#))

### A few foundations

- Unboxing the problem
- In-house vs outsourcing
- Metadata schema

### Break down the problem

- Research data vs non-research data
- Scholarly communications
- Theses and dissertations
- Discovery, curation, storage, preservation

Image from [FreePik](#)



### Deliver small increments

- Embarrassingly simple versions
- Work closely with key stakeholders willing to collaborate
- Iterative and incremental

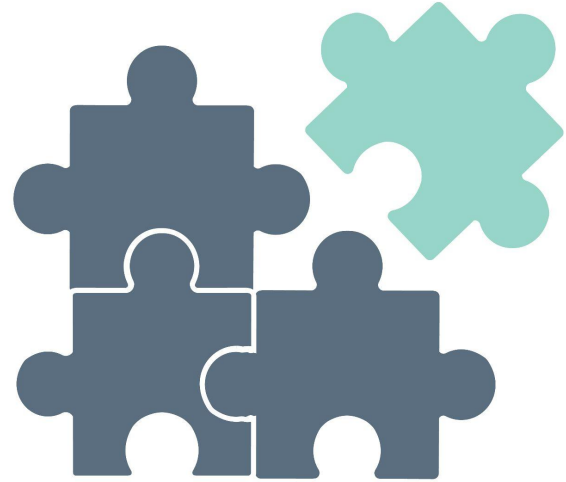


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## Continue to evolve the system

- Significant enhancements
  - Data entry, file upload, performance, embargoes
  - Both: areas we expected and did not expect
- Requires trust across the board
  - Stakeholders, product owner, developers, curators
- Quick response to feedback
  - Even if to say no/not now



Image from [FreePik](#)

### Enhancements and new features

- Virus scanning
- Preservation (3rd copy)
- Reporting
- Better support for larger datasets
- Data entry improvements
- Embargoes and peer-reviews



Image from [FreePik](https://www.freepik.com)

# Thank you!



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