

# STRIVING FOR A PREMIER LEARNING ENVIRONMENT AT SHERIDAN

**A WORK PLAN AS A METADATA & SYSTEMS LIBRARIAN**

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# WHO AM I?

- Computer engineer: 13 years working in System Admin/Application Support/Web Application Development/Institutional Repository (IR) Development
- Information professional / MSt graduate: 6 years on library technologies
- Application Programmer: Digital Scholarship Unit (DSU) at University of Toronto Scarborough Library
- Coder, Open Source Contributor & Hacker

# AGENDA

- 1 Simple Framework
- 4 Core Work Objectives
- 5 Work Actions
- Projects showcase
- Q & A

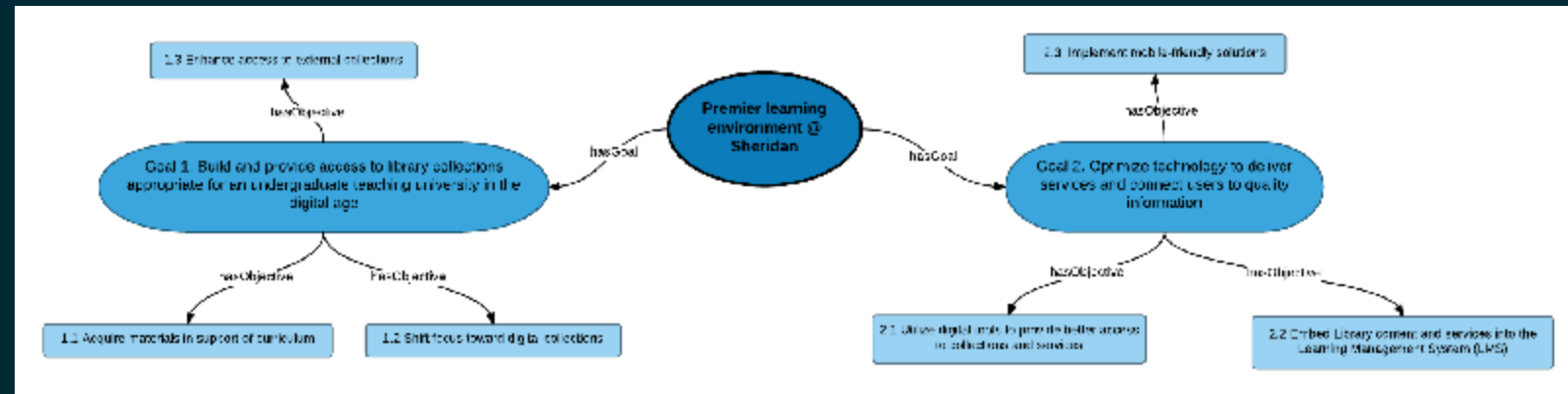
# THE FRAMEWORK

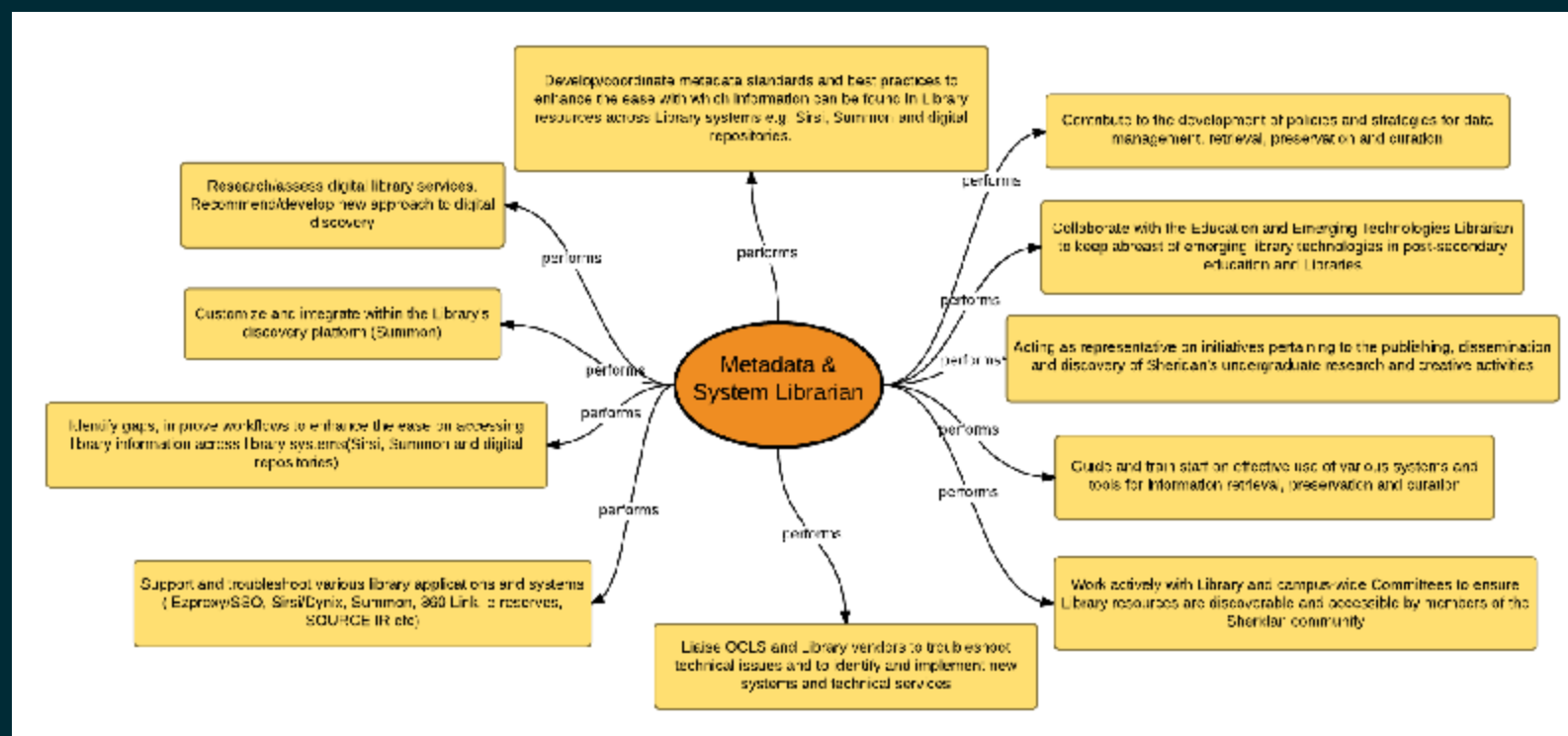
1. Where are we now?
2. Where are we going?
3. How will we get there?

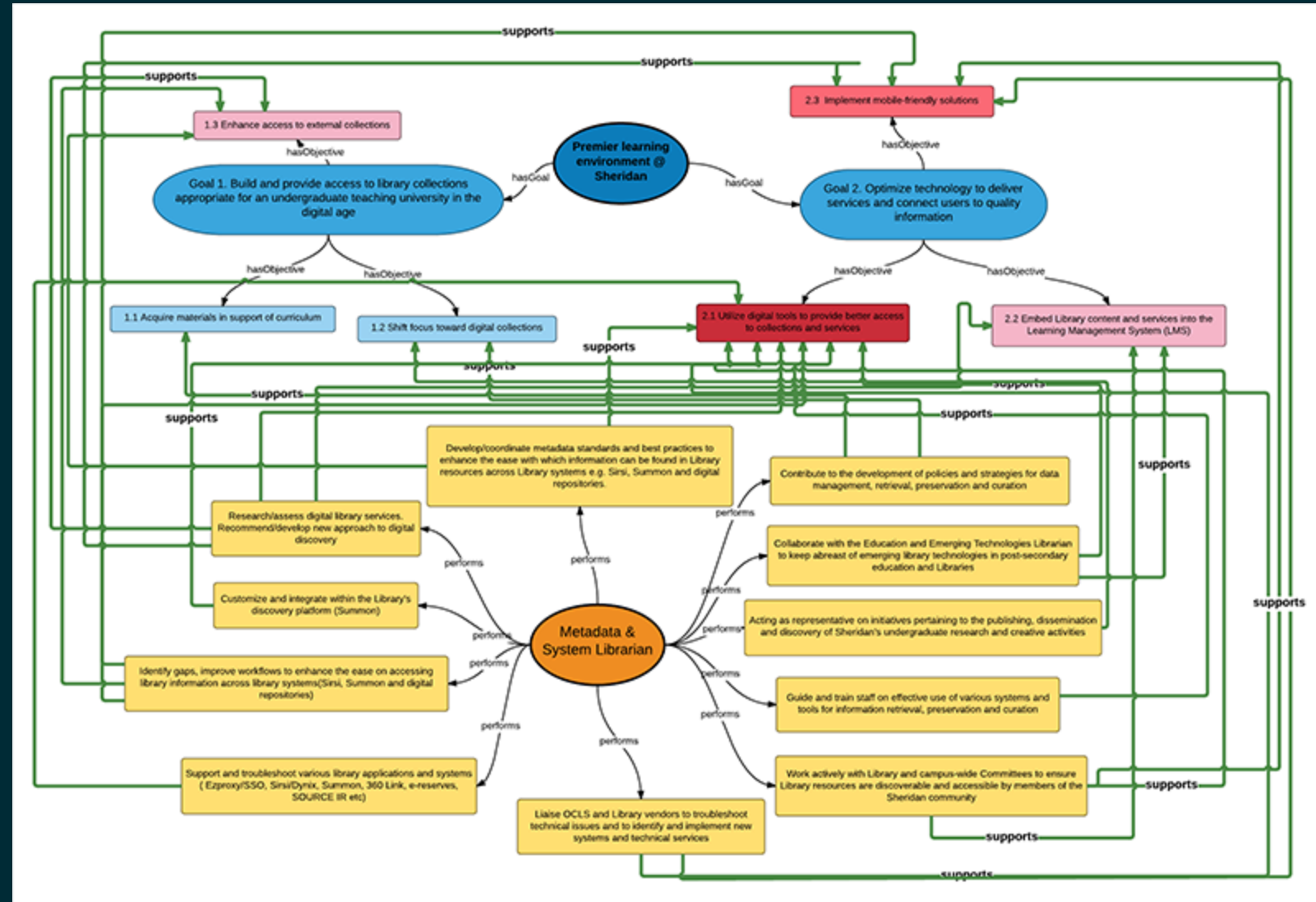
(Olsen, 2012)

# WHERE ARE WE GOING?

## STRATEGIC GOALS & RESPONSIBILITIES ANALYSIS







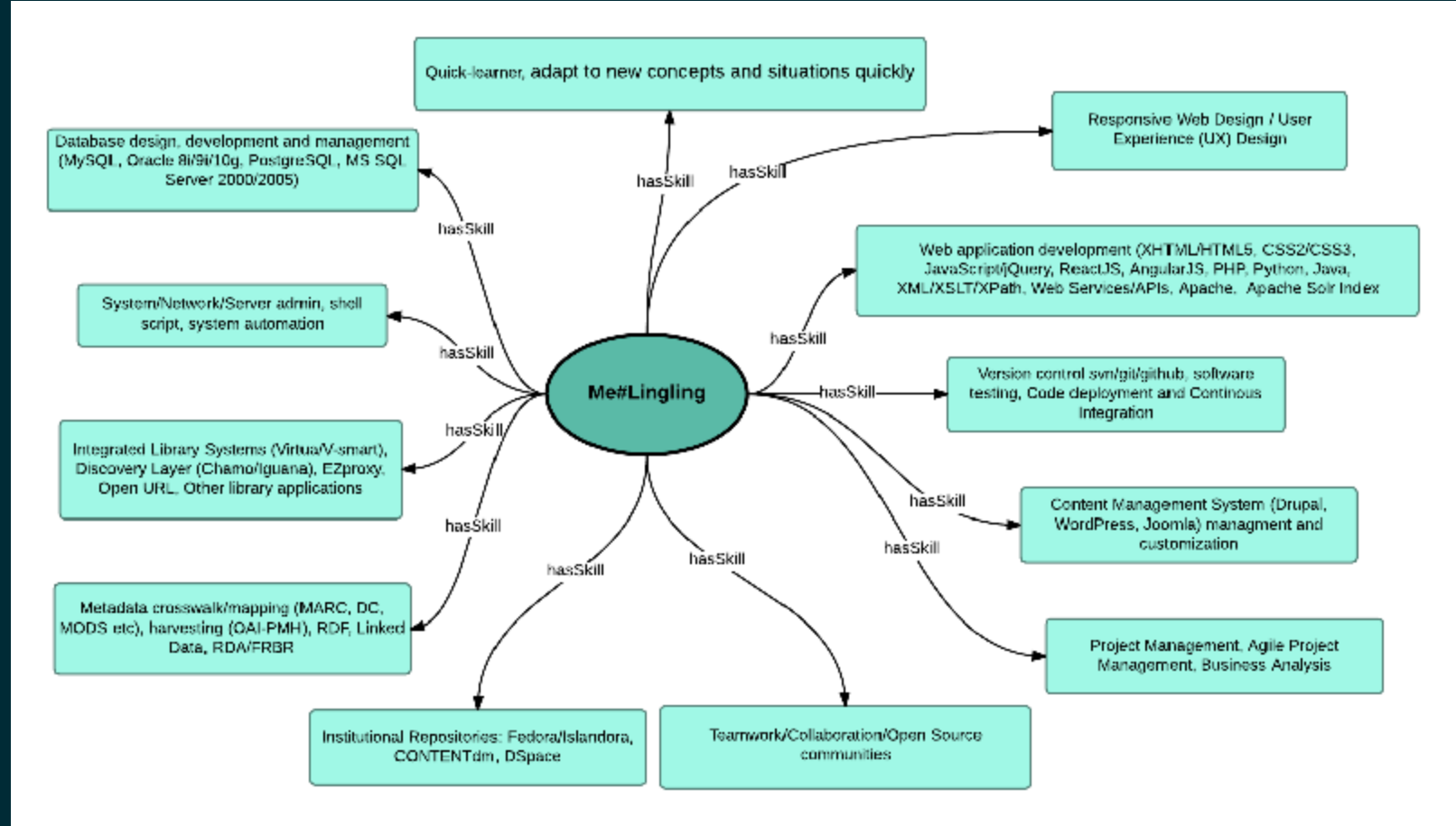


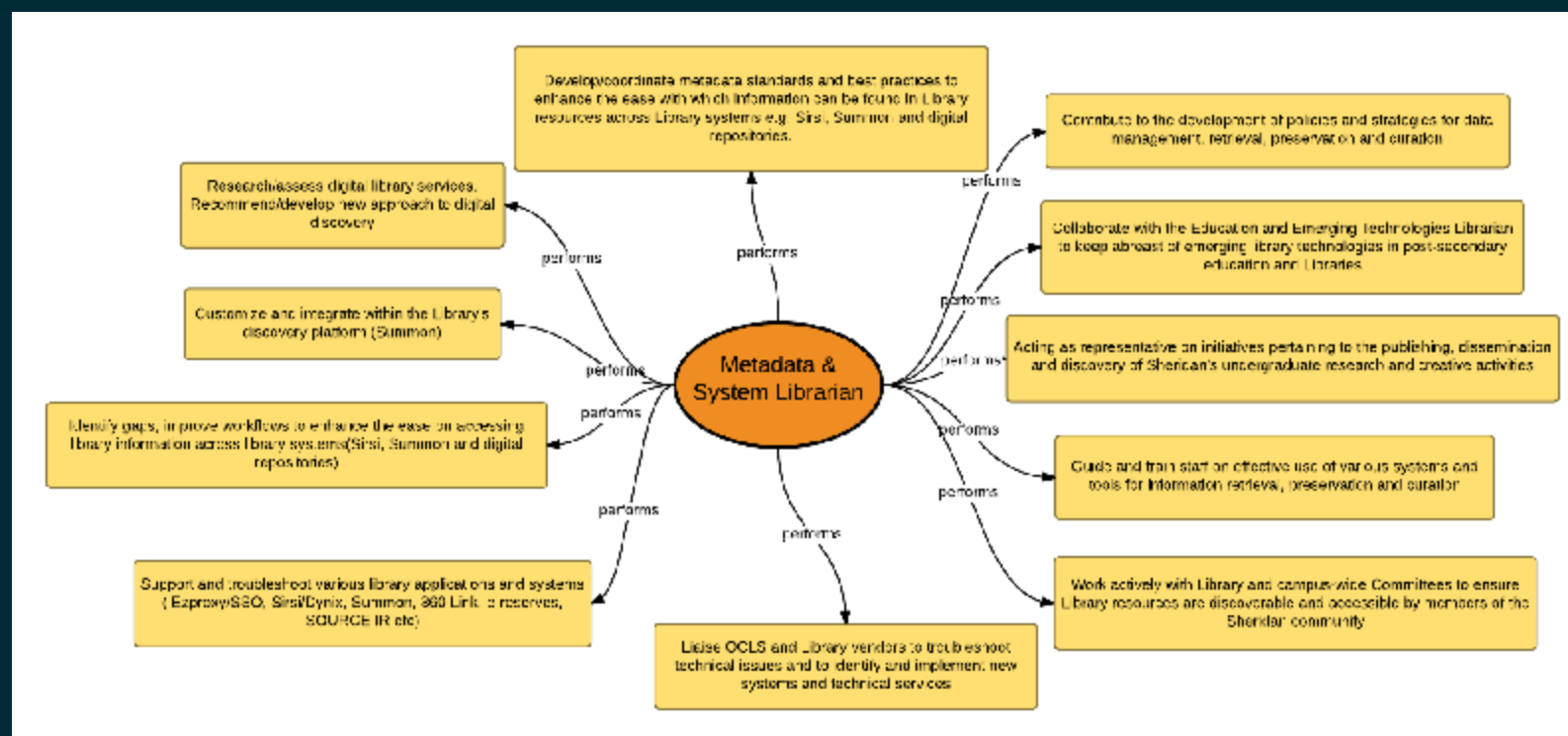
## FINDINGS -- 4 CORE WORK OBJECTIVES

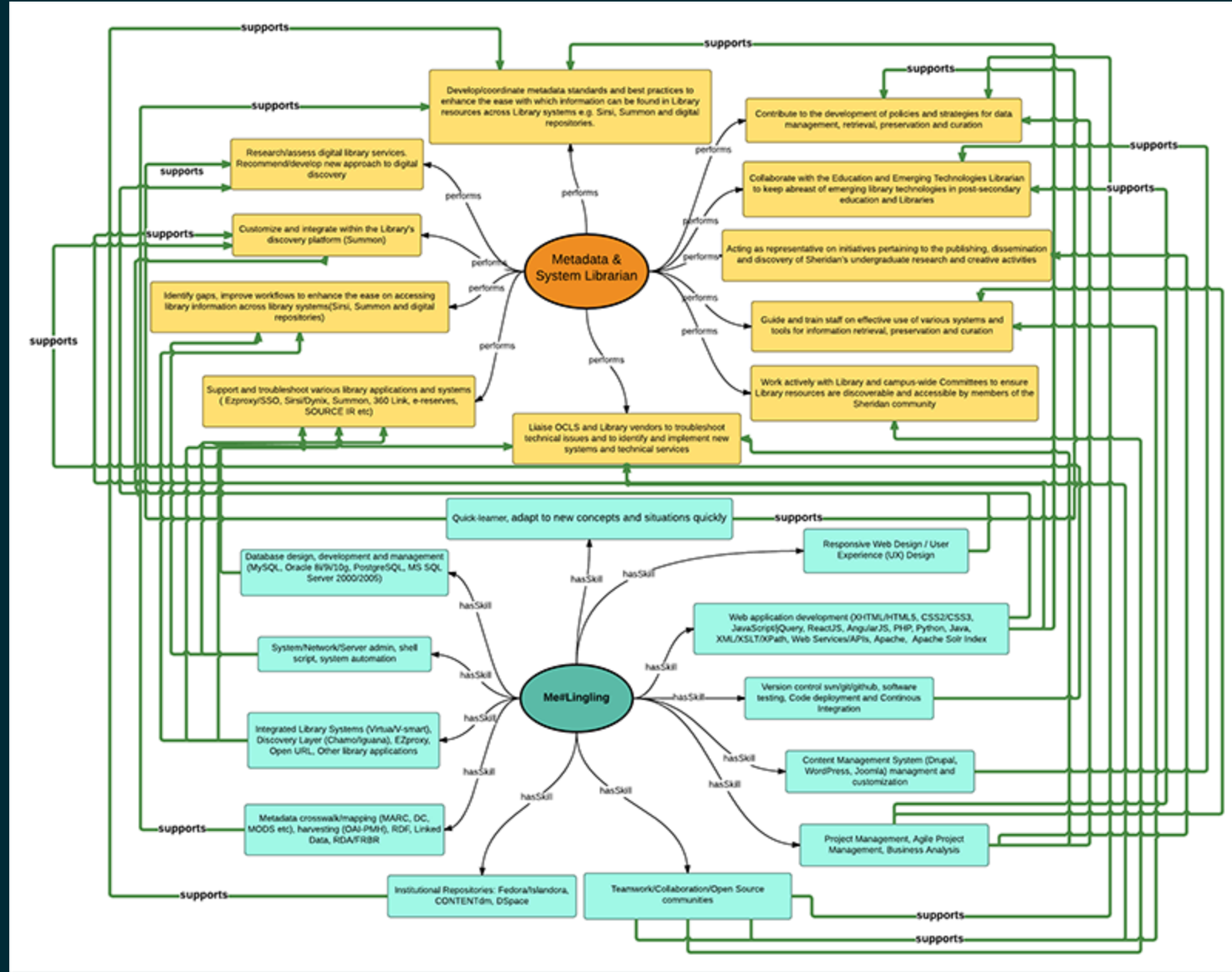
- Objective 2.1 - Utilize digital tools to provide better access to collections and services
- Objective 2.3 - Implement mobile-friendly solutions
- Objective 1.3 - Enhance access to external collections
- Objective 2.2 - Embed Library content and services into the Learning Management System (LMS)

**WHERE AM I NOW?**

**CORE COMPETENCIES & RESPONSIBILITIES ANALYSIS**







## **FINDINGS -- CONFIDENCE AND CHALLENGE**

- All of core skills and knowledge can be applied to support one or more responsibilities of the position
- I should enhance knowledge & skills on mobile web & mobile app development

# WHERE ARE WE NOW?

## SWOT ANALYSIS

Identify **S**trengths, **W**eaknesses, **O**pportunities and **T**hreats

## **ACTION 1 -- LIBRARY SYSTEMS/SERVICES ASSESSMENT**

Supports: All objectives

- A long-time, multi-dimensional, ongoing and iterative process
- Gathering data (Reports and data by Library team, IT & other units on campus)
- Library systems (Website, ILS, Discovery, IR & other technologies)
- User Research to understand user behaviors, needs and motivations
- Service quality assessment



# HOW WILL WE GET THERE?

## ACTION 2 -- ENHANCE WEB SCALE DISCOVERY

Supports: Objective 2.1, 1.3 & 2.3

- Harvest/add records from IR or local collections
- Are search results relevant
- Include Open Access content to Summon?
- Localized recommendations, research guides, and live reference help to improve UX
- Extend to have social networking tools (reviews, rating, and sharing reading list)

## ACTION 3 -- METADATA QUALITY ASSESSMENT & CONTROL

*"Metadata is key to ensuring that resources will survive and continue to be accessible into the future."*

*(NISO, 2012, p. 1)*

Supports: Objective 2.1 & 1.3

- Interoperability issue prevents us from discovering and sharing resources
- Accuracy and consistency is the key to improve reliability and discoverability of our resources
- Closely monitor Linked data / Semantic Web movement (RDA/BIBFRAME)

## ACTION 4 -- MOBILIZING THE LIBRARY

Supports: Objective 2.1 & 2.3

- Access library resources & services from any devices
  - Better user experience, increased circulation and student engagement
- What is our mobile strategy?
  - Mobile/Responsive Website vs. Mobile App
  - Optimized User Experience/Content/Page Speed/SEO
- Intensive and ongoing collaboration with campus IT

## **ACTION 4 -- MOBILIZING THE LIBRARY**

Supports: Objective 2.1 & 2.3

Simple test on Sheridan Library Web page

- Responsive but the library link is pushed down to the bottom on the Sheridan Home page (hard to locate)
- The 'Search' icon on top right corner is not for searching library resources(confusing)
- Scroll down to find the 'Summon' link, touch to see the search box, then type keywords to search (too many steps required)
- The search results is displayed around 25 seconds

## **ACTION 5 -- EMBED LIBRARY RESOURCES AND SERVICES IN LMS**

Supports: Objective 2.1 & 2.2

- A module for library instructional resources and services, or a MOOC like course
- More research on OPAC, Summon APIs and LMS
- Integrate Course Reserves/eReserves system for more resources
- Challenge on Authentication
- Collaborative work among whole library team, CTL and campus IT

# PROJECTS SHOWCASE

## ISLANDORA ORAL HISTORIES SOLUTION PACK

To preserve audio, video materials, sync-play transcript and translation, and annotate those materials for collaborative research on Islandora/Fedora stack

Main technologies: Drupal custom module development, Islandora, Fedora, HTML5, JavaScript, ReactJS, PHP, RDF/XML, Apache Solr, XSLT, REST APIs, MODS, DC, emerging W3C Web Annotation Data Model and WEBVTT spec

test123

# NASA Rocket

View

Manage

Enter username

SWITCH

Islandora simple search

SEARCH

## ISLANDORA ORAL HISTORIES SOLUTION PACK



Transcript

Annotation

Transcript, Translation, ▾

← Prev

↺ Same

→ Next

✎ Edit

▶ 0:00

Anna

A rocket is a launch vehicle.  
火箭是一种发射装置

▶ 0:02

Anna

It can also be a space capsule, usually in the form of a cylinder or a tubelike structure that launches from the Earth.  
它也可以是一种密封装置，通常是以圆柱或管装结构的方式从地球发射。

▶ 0:10

Anna

And it can be used to carry humans into space.  
可以用来装载人类去往太空。

RECORDED WITH

SCREENCAST  MATIC

## ISLANDORA LIVING RESEARCH LAB SOLUTION PACK

Custom developed to power Learning in Neural Circuits (LINC) project, a new repository and virtual research environment for the Department of Biology to institute best practices for research data management by replacing traditional paper and spreadsheet based system.

Main technologies: Drupal custom module development, Islandora, Fedora, HTML5, JavaScript, PHP, XML, Apache Solr, XSLT, REST APIs, MODS, DC, Darwin Core



# LINC Repository

View Manage

- Grid view
- List view



Cages



Data Sessions



Experiments



Mice



Protocols



Publications (in progress)

ISLANDORA LIVING RESEARCH LAB SOLUTION PACK

## CNIB LIBRARY INTEGRATION PROJECT (CLIP)

- Migrated and implemented new V-smart ILS
- Built CNIB Library website on Iguana Discovery System
- Fully accessible (WCAG 2.0 AA and AAA standards) and bilingual
- Custom developed features on Iguana: Browse by Category, and High Contrast Switch
- An example site used on a blog post "[Four Discovery Services to Watch](#)" (infotoday.com)

## Introducing the future of accessible library services



## DSU TECHNOLOGY STACK

[Sign in](#) | [Sign up](#)

[Home](#) [My library](#) [Recommendations](#) [New titles](#) [Special collections](#) [Help](#) [Feedback](#)

### IMPORTANT NOTICE

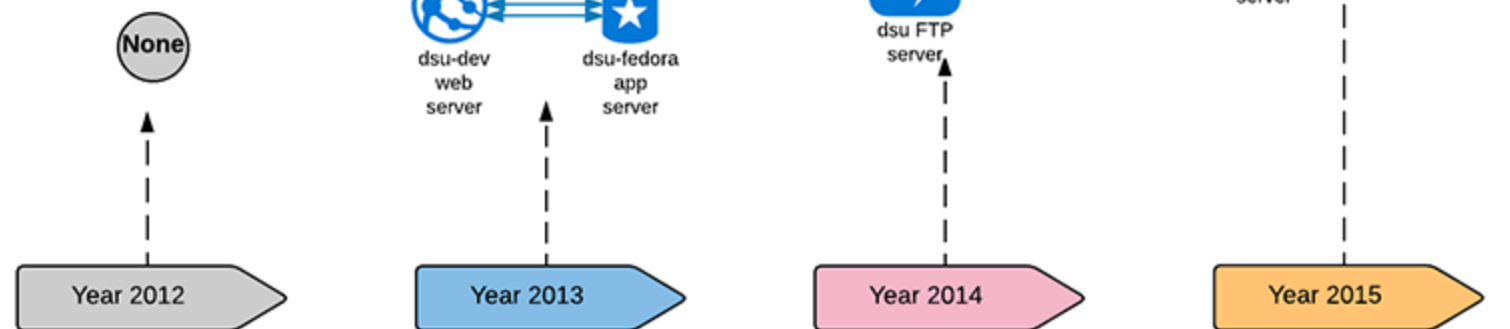
### Introducing

CNIB is proud to announce a new partnership with CELA, the Canadian Electronic Library for the Accessible. This partnership will provide a wide range of accessible materials in audio and digital formats available from their local library.

[More information about CELA](#)

[Visit CELA](#)

Follow this link to learn more and take advantage of their services today.



or listen to our [CNIB digital library](#) es, get books and more!

No matter how you read or how you play,  
the TD Summer Reading Club is  
**accessible**  
for everyone!  
TD Summer Reading Club

2015

### CNIB Library news

RECORDED WITH  
Digital Times January 2016  
SCREENCASTOMATIC

Digital Times delivers fresh news about great reads and what's happening at the CNIB

### Direct to Player

There is now an easier and faster way to get DAISY audio books from the CNIB Library called "Direct to Player". You'll be

[Direct to Player](#)

## REDMINE PROJECT MANAGEMENT SYSTEM

- Free and open source, web-based project management and issue tracking tool
- Must-have tool for DSU day-to-day operation
- Home for over 30 projects



My page

Personalize this page

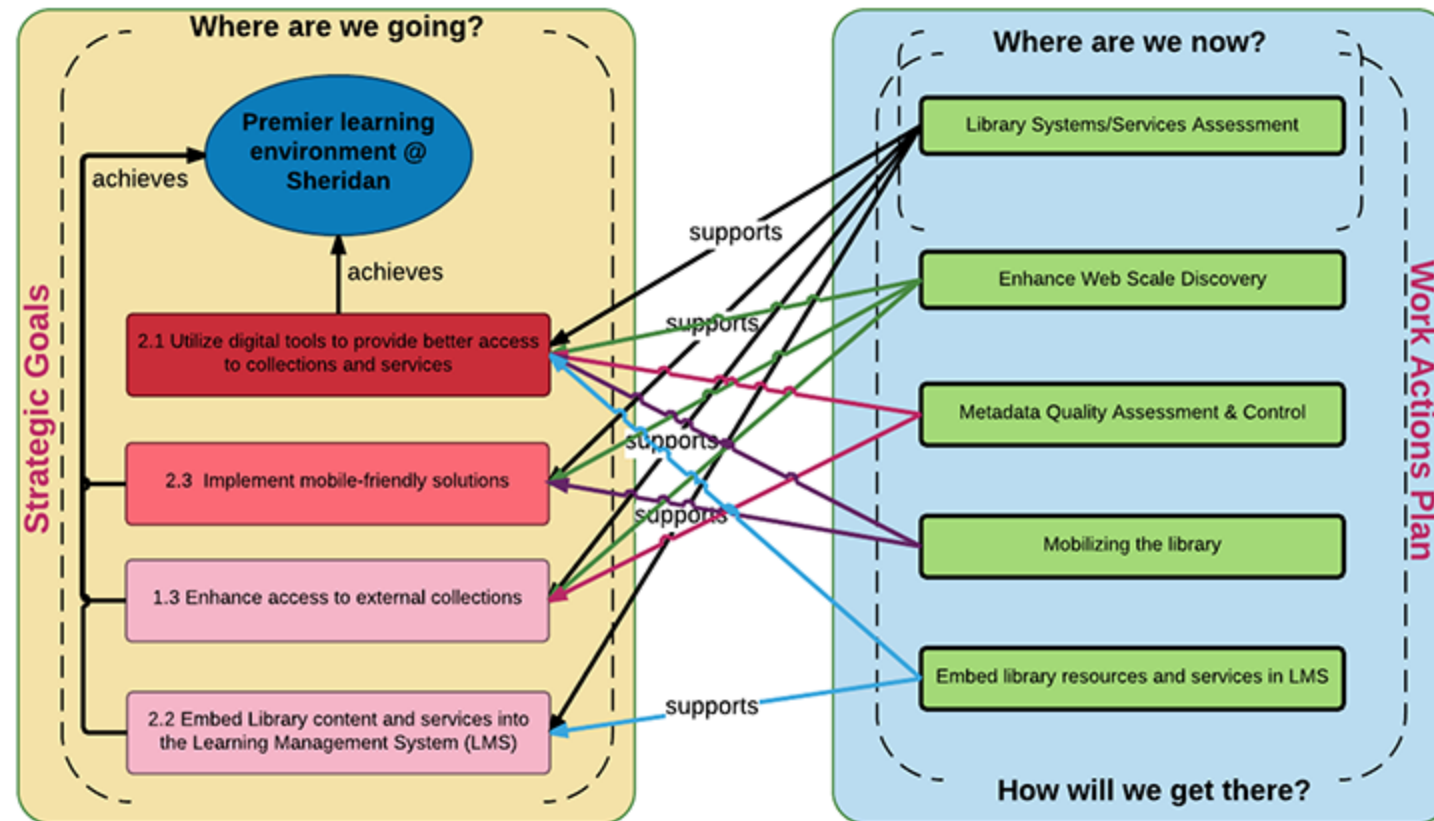
Issues assigned to me (5)

#	Project	Tracker	Subject
5458	Eastern Himalaya Research Network	Task	provide update on timelines and requirements for EHR project (Assigned)
4922	* DSU Administration *	Task	module cleanup plan (Feedback)
3596	DSU Systems	Task	Not sure if this is the right place for this, but file up... (Assigned)
5342	Oral Histories Solution Pack	Task	oral histories on dsu website (Assigned)
4898	Natalie Rothman	Task	phase 2 discussion: side by side view of transcription (Assigned)

Reported issues (59)

#	Project	Tracker	Subject
5772	DSU Systems	Task	Verify 'mamager' role on master site on production server (Resolved)
5771	DSU Systems	Task	Remove 'luketest' subsite on both production and dsu-beta... (Closed)
5338	DSU Systems	Task	Create a "Luke Test Collection" on our main site (Closed)
5658	* DSU Administration *	Task	Verify adore-dajatoka configuration for islandora sites. (Resolved)
5448	DSU Systems	Task	Investigate the cause of the following warning messages o... (Closed)
5388	DSU Systems	Task	wiki [Server_logins] is updated. (Closed)
5336	Zoo Parade Game	Task	Testing with ZooParade game to see if it is playable (Closed)

# RECAP



# CURIOUS, PURPOSEFUL, SMART, GUTSY, INSPIRED & REAL

## REAL

We don't live in an ivory tower. We live in the real world and work towards creating change that benefits our faculty and staff, students, industry partners and communities near and far. Our approach is always down-to-earth and based in reality.

(Sheridan Strategic Plan 2013-2020, p.13)



# REFERENCES

- National Information Standards Organization (NISO) Understanding metadata. NISO  
<http://www.niso.org/publications/press/UnderstandingMetadata.pdf>
- Olsen, E. (2012). Strategic planning kit for dummies. Hoboken, NJ: Wiley.
- Sheridan Strategic Plan 2013-2020. Sheridan College, 2013. Retrieved February, 20  
[College/About/Strategic Plan.pdf](#)
- Library & Learning Services Strategic Plan 2013-2020. Sheridan Library and Learning  
<https://www.sheridancollege.ca/~media/Files/Sheridan%20College/Life%20At%20>