

STRIVING FOR A PREMIER LEARNING ENVIRONMENT AT SHERIDAN

A WORK ACTIONS 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 / MIST graduate: 6 years on library technologies
- Application Programmer: Digital Scholarship Unit (DSU) at University of Toronto Scarborough Library
- Coder, Open Source Contributor & Hacker

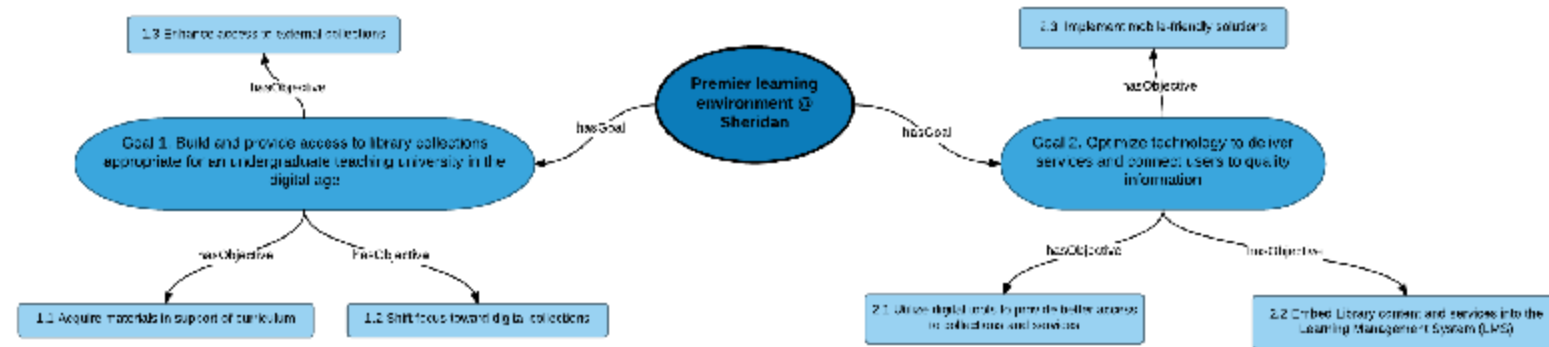
FRAMEWORK

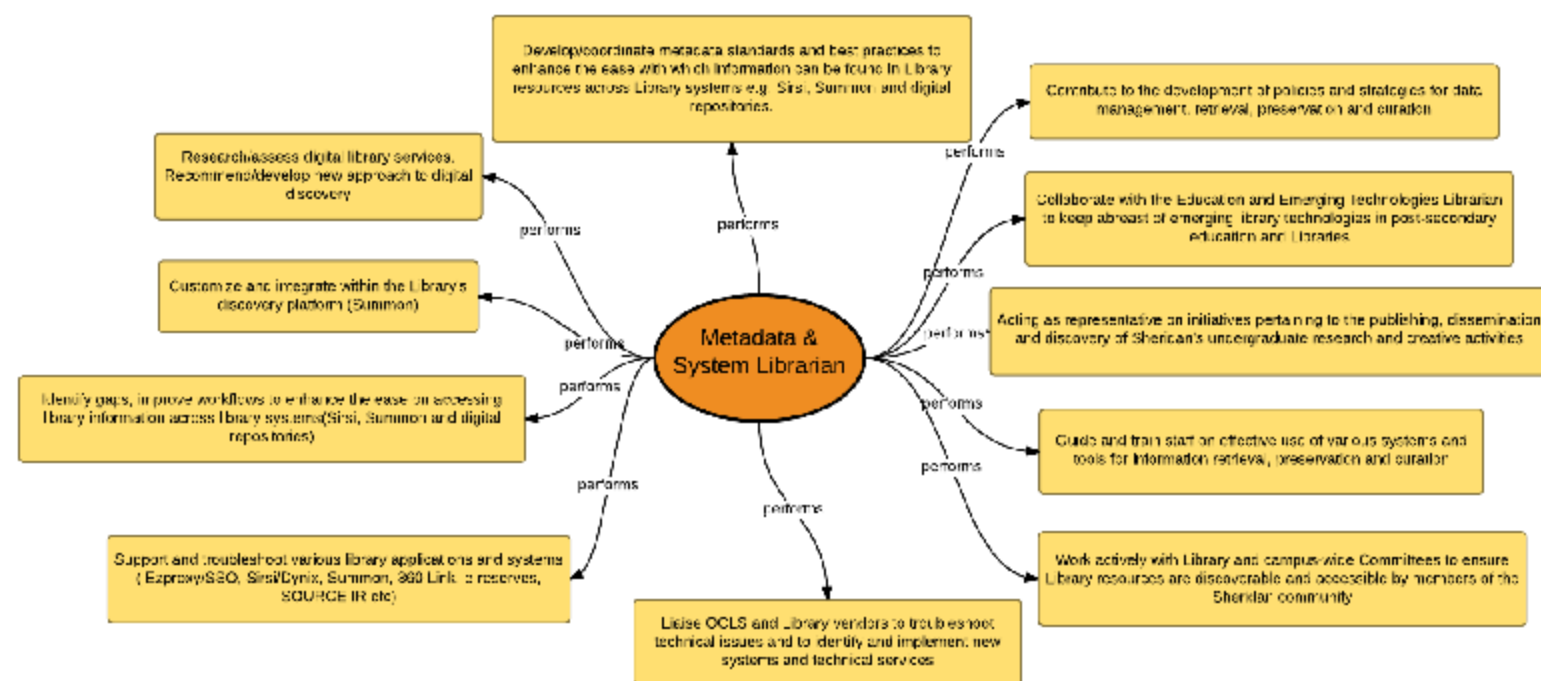
1. Where are we now?
2. Where are we going?
3. How will we get there?

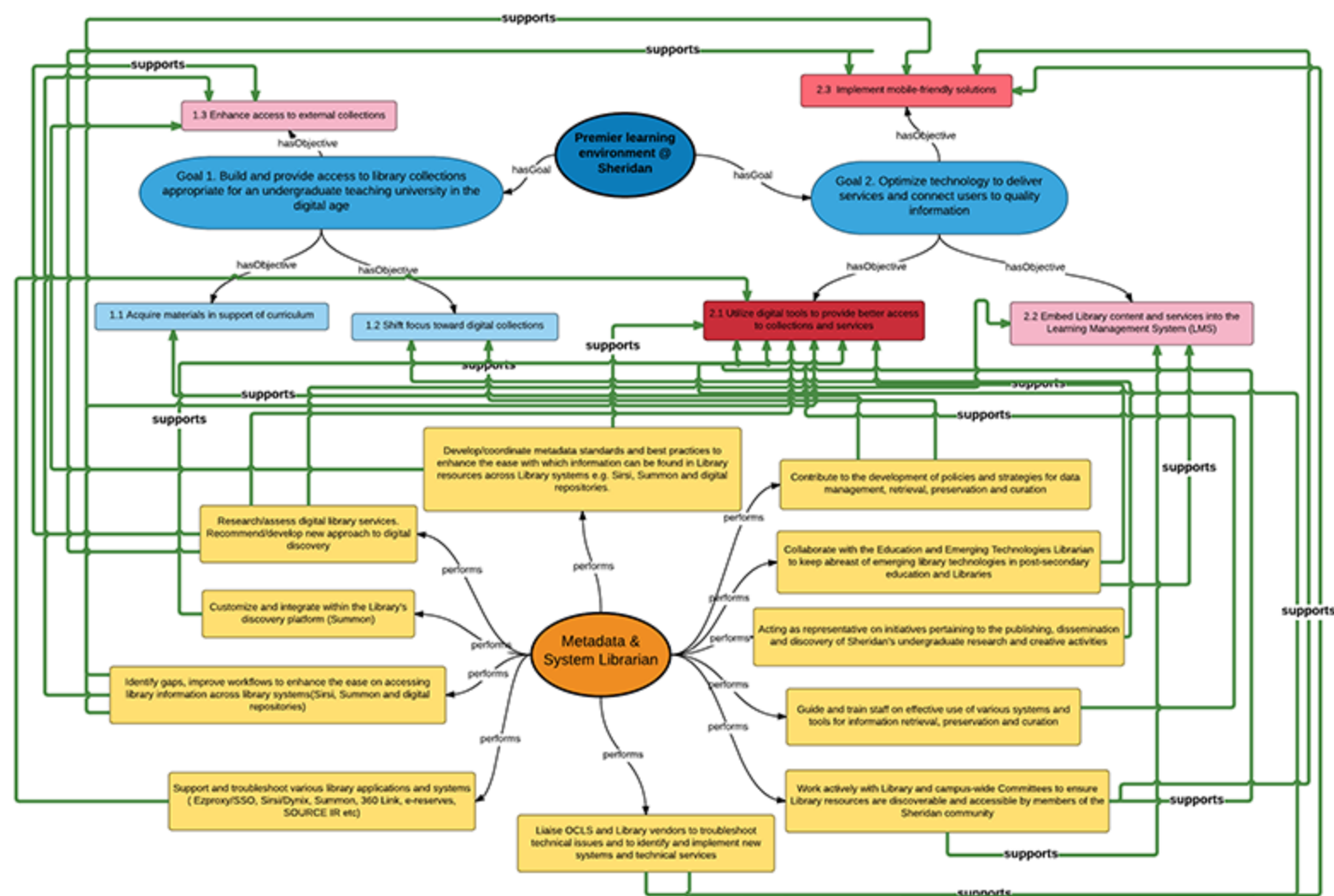
(Olsen, 2012)

WHERE ARE WE GOING?

STRATEGIC OBJECTIVES & RESPONSIBILITIES ANALYSIS





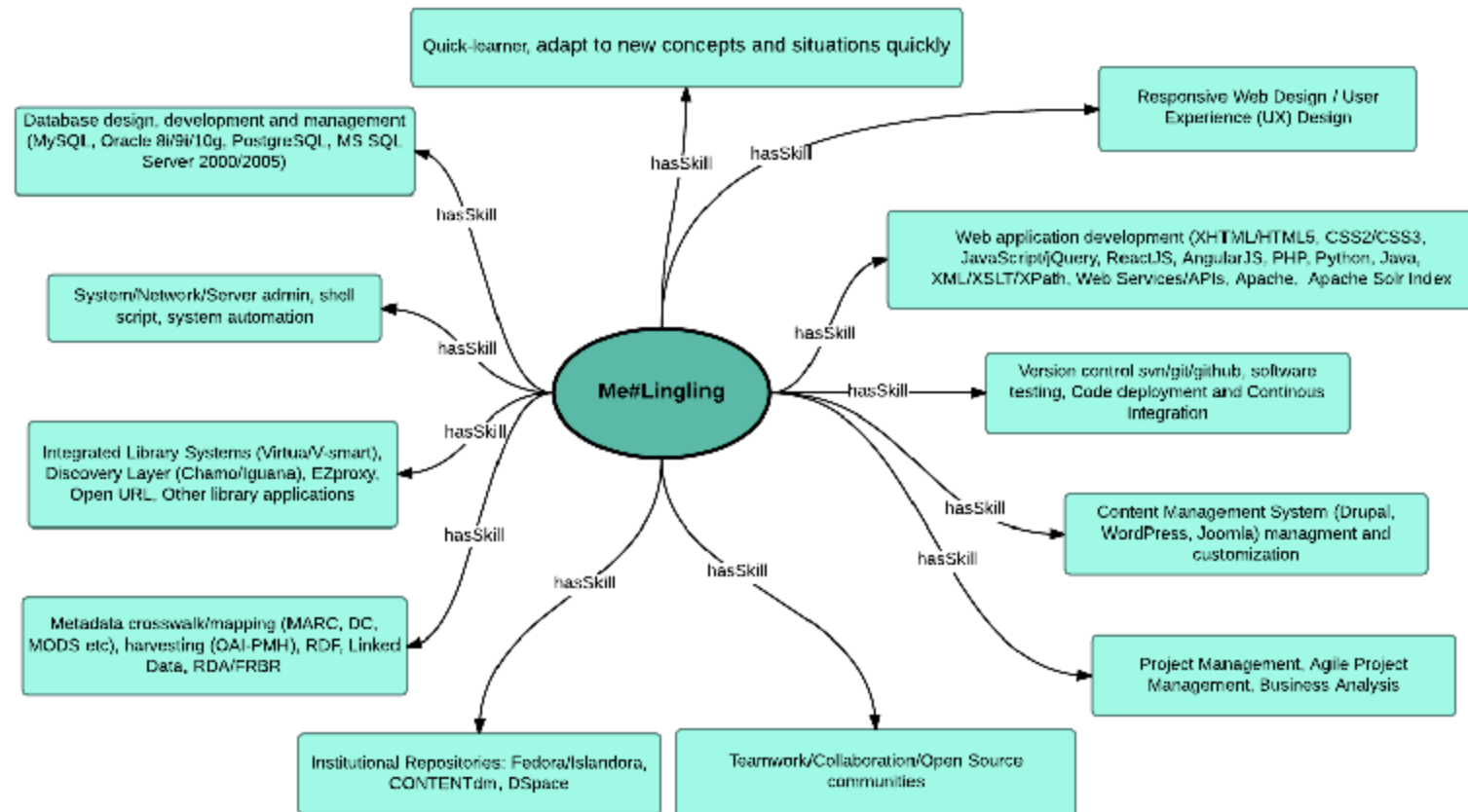


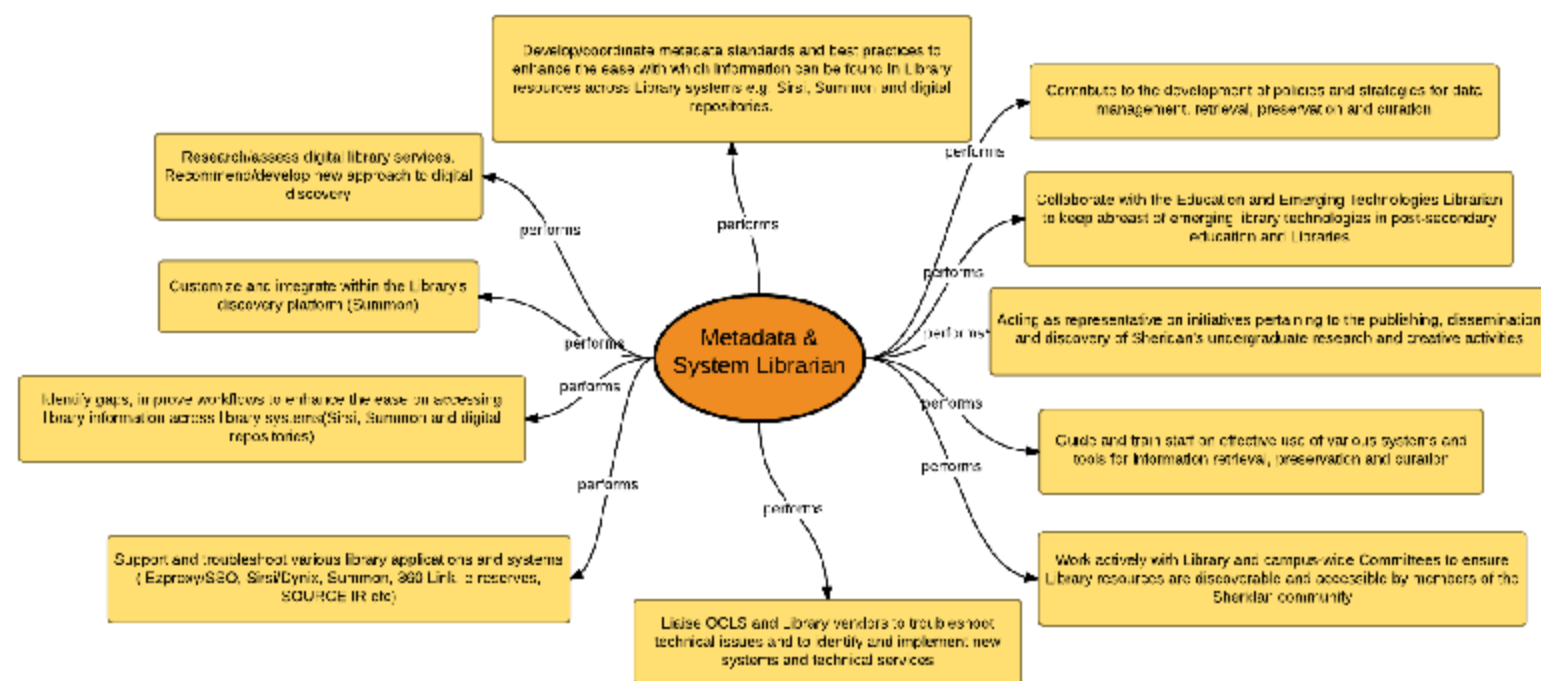
FINDINGS

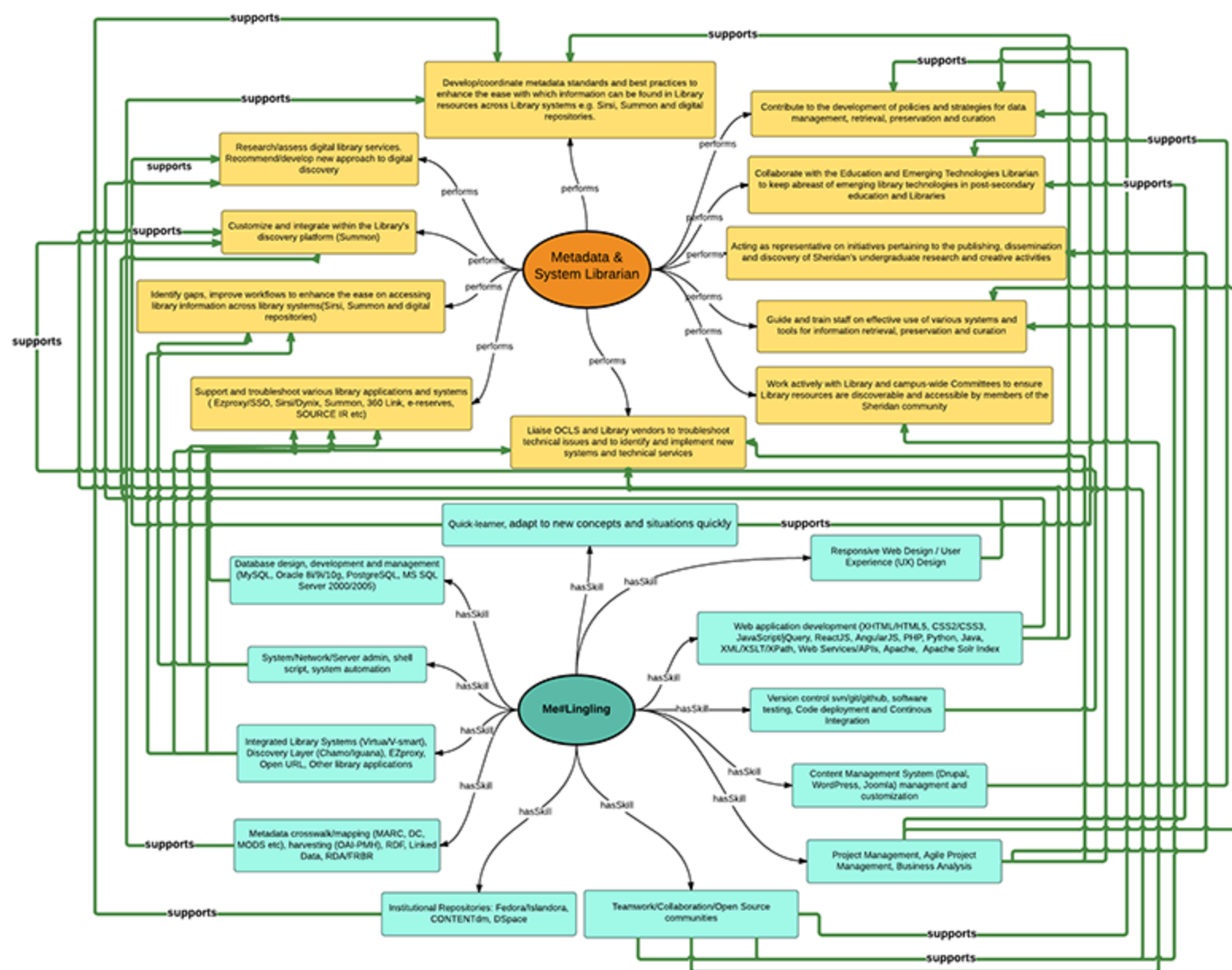
- Objective 2.1 - Utilize digital tools to provide better access to collections and services
- Objective 2.3 - Implement mobile-friendly solutions
- Objective 1.3 - Enhance access to external collections
- Objective 2.2 - Embed Library content and services into the Learning Management System (LMS)

WHERE AM I NOW?

CORE COMPETENCIES & RESPONSIBILITIES ANALYSIS







FINDINGS

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

WHERE ARE WE NOW?

SWOT ANALYSIS

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

LIBRARY SYSTEMS/SERVICES ASSESSMENT

Supports: All strategic 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?

ENHANCE WEB SCALE DISCOVERY

Supports: Objective 2.1, 1.3 & 2.3

- Harvest/add records from IR or local collections
- How relevant are search results?
- Include Open Access content to Summon?
- Automated Contextual Research Assistance
- Extend to have social networking tools (reviews, rating, and reading list)?

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)

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

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 once, see the search box, then type keywords to search (too many steps)
- The search results is displayed around 25 seconds

EMBED LIBRARY RESOURCES AND SERVICES IN LMS

Supports: Objective 2.1 & 2.2

- A module for library instructional resources and services, or a course?
- More research on OPAC, Summon APIs and LMS
- Integrate Course Reserves/eReserves system for more resources
- Challenge on Authentication
- Collaboration with librarians, copyright staff, 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

CNIB LIBRARY INTEGRATION PROJECT (CLIP)

- Migrate and implement new V-smart ILS
- Build CNIB Library website on Iguana Discovery System
- Fully accessible (WCAG 2.0 AA and AAA standards) and bilingual
- Custom developed features: 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

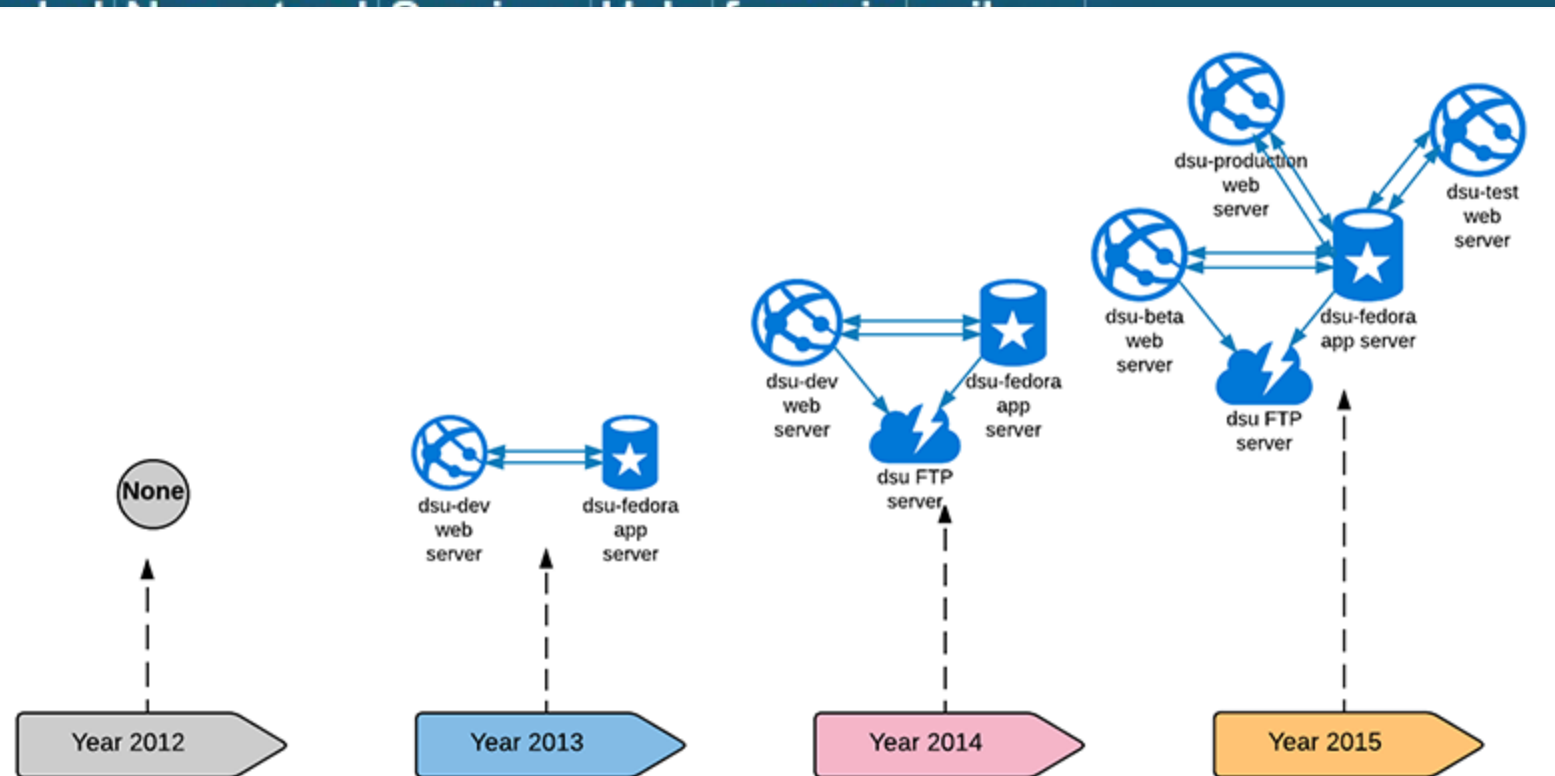
[More information about CELA](#)

[Visit CELA](#)

Introducing

CNIB is proud to announce a new partnership with CELA, the Canadian Electronic Library for the Accessible. This partnership will make a wide range of digital materials available to our members from their local libraries.

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

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

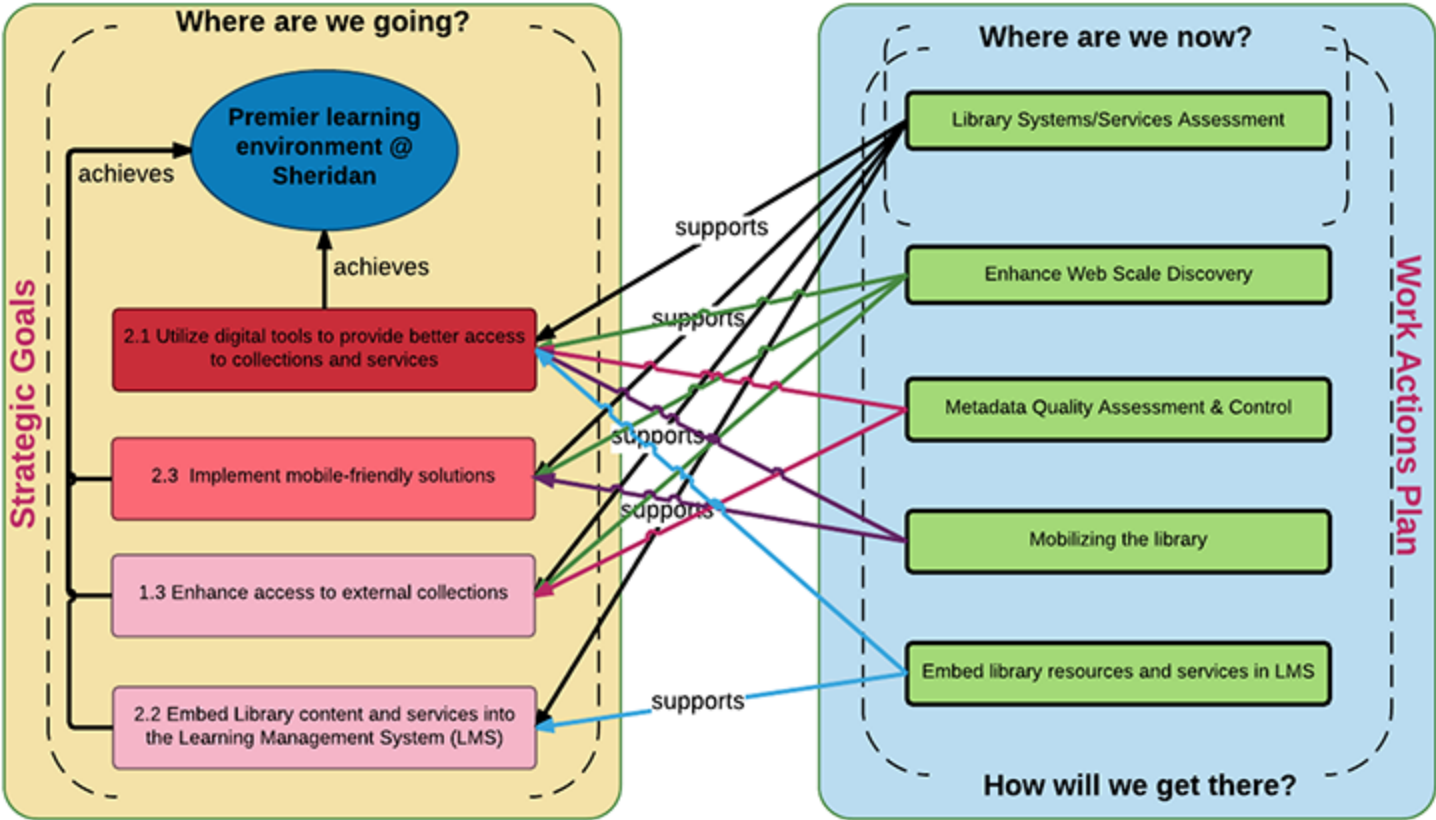


RECAP

My page

Issues assigned to me (5)

#	Project
5458	Eastern Himalaya Research Ne
4922	* DSU Administration *
3596	DSU Systems
5342	Oral Histories Solution Pac
4898	Natalie Rothman



[Personalize this page](#)

ager' role on master site on server (Resolved)

etest' subsite on both production a... (Closed)

ike Test Collection" on our main)

-dajatoka configuration for es. (Resolved)

he cause of the following warning ... (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)

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.

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>