

# Onto Somethin'

**Team Members:** Suzanne Pierce, Alii Napoleon, Karen Chen

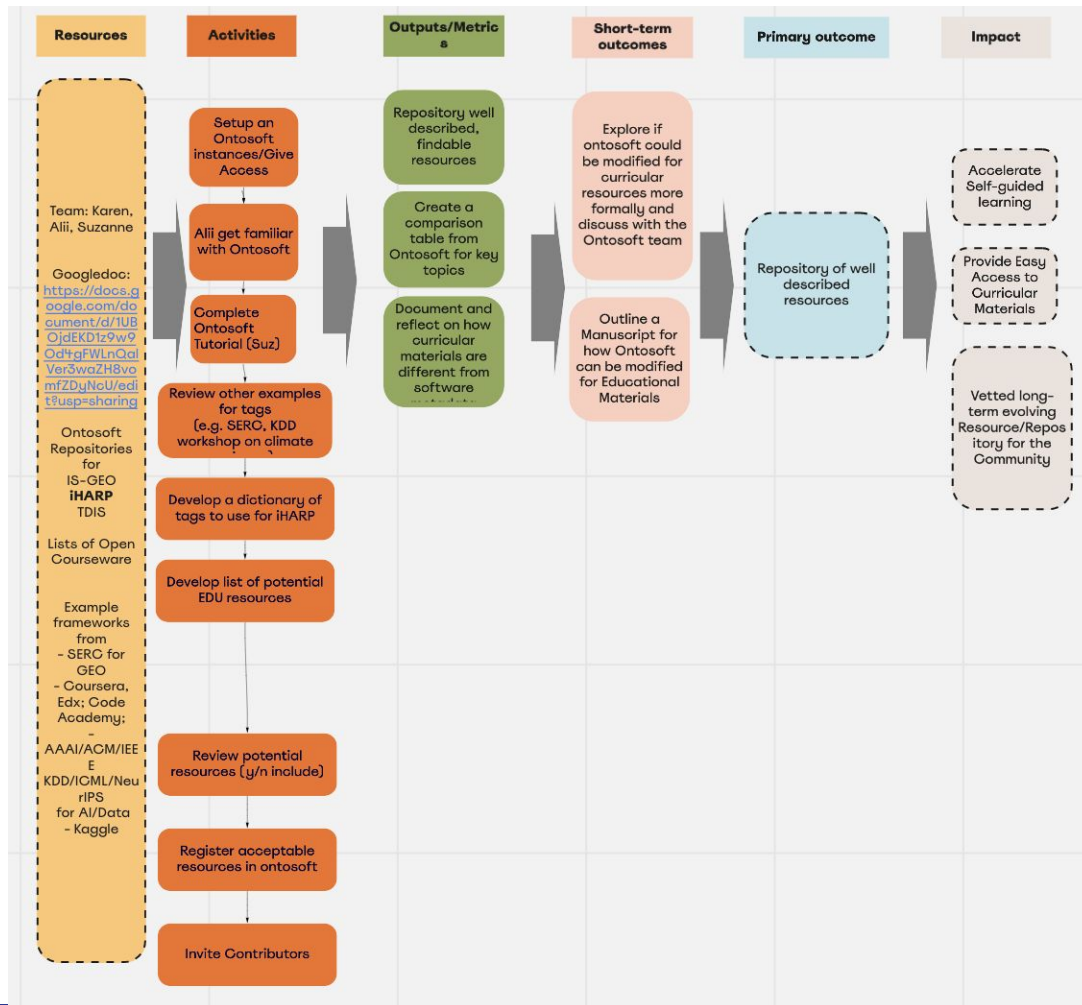
Goals:

Identify and describe at least 25 relevant curricular resources to inform the iHARP community.

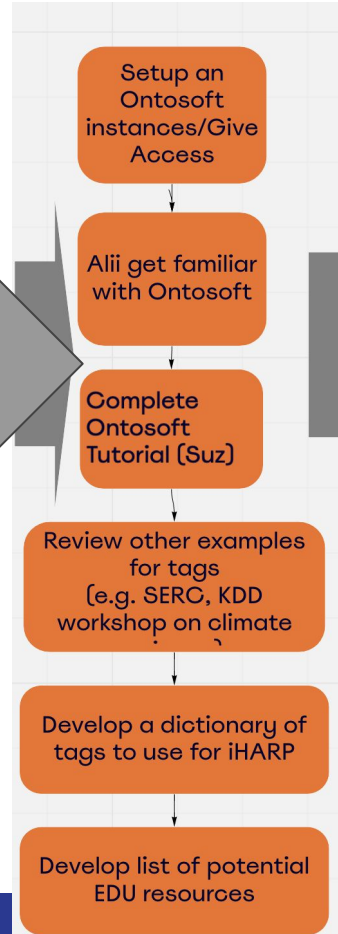
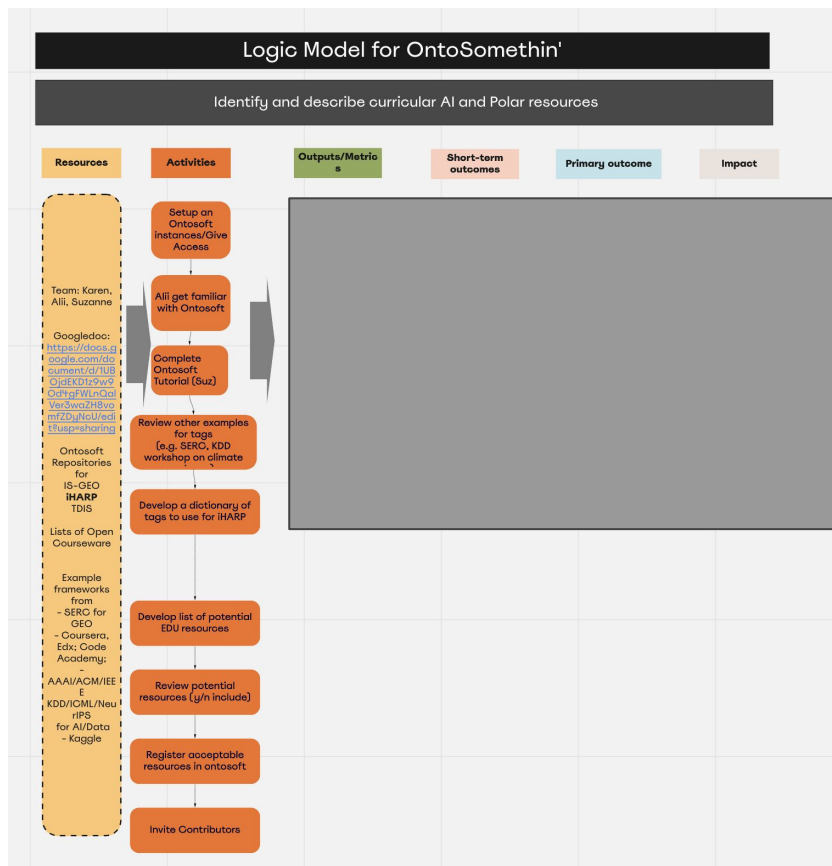
Resources should include domain topics in Data Sciences and Polar Sciences

A Resource list will be produced that describes pedagogical or curricular materials

# Logic Model and Priority Activities



# Completed Wednesday, August 18, 2022

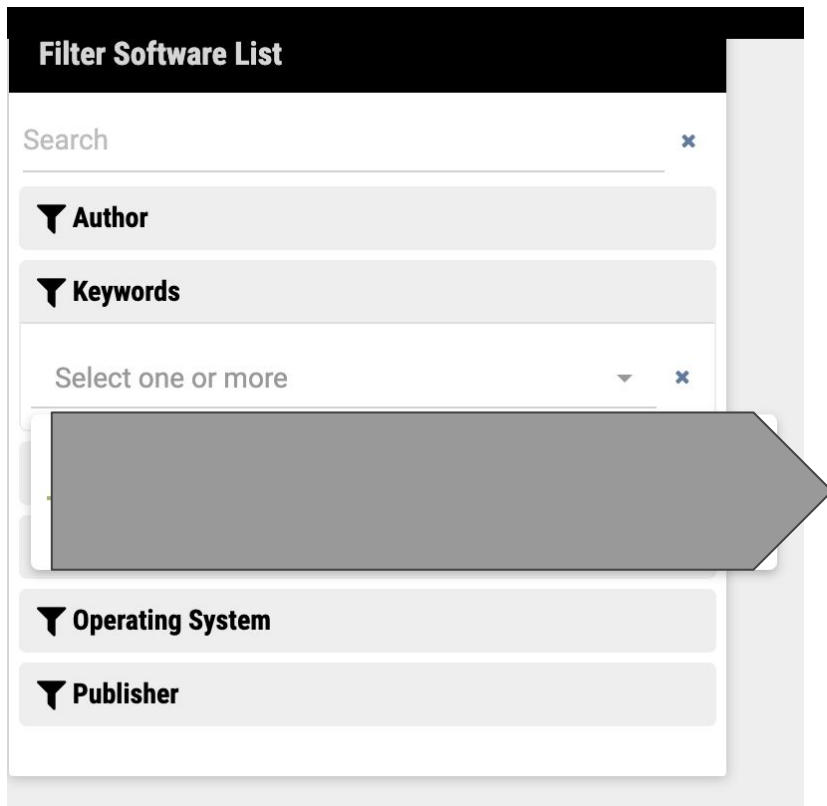


Issue:

Register for a User but can't edit

So all use admin acct ACTION - send email to Developer (Suzanne)

# Setting up a Framework



The screenshot shows a web interface titled "Filter Software List". It features a search bar at the top with a magnifying glass icon and a close button (x). Below the search bar are several filter categories, each with a funnel icon and a label: "Author", "Keywords", "Operating System", and "Publisher". The "Keywords" filter is currently expanded, showing a dropdown menu with the text "Select one or more" and a close button (x). A large, semi-transparent grey arrow points from the right towards the "Keywords" filter, indicating it is the focus of the current step.

Goal is to prioritize spatio-temporal materials to support research and education from the perspective of both Polar and Data Science domains

## Keywords or Labels:

- category [tool, teaching material, tutorial]
  - (new category for consideration) research resource
- domain problem [polar science, ai/ml, data science]
- approach/method [examples, quantitative, qualitative]
- foundational Information []
- data [benchmark, observational]
- model [empirical, physics-based]
- Type resource; [dynamic; static]
  - (needs discussion with Tri, Jianwu, Maria) CI Resources
- expertise [novice; intermediate; advanced; expert]
- quality [peer reviewed, non-reviewed]
- tbd (use this keyword for resources we need to revisit)
- exclude (use this keyword and then add the reason/topic)

# Collected Initial Resources to Test Framework

iHARP		
Software Community Training		
Software List		COMPARE
<b>Data Modeling Methods - Informal Posts</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:10		
<b>Data Structure - Course Various</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:20		
<b>Data Structure - Courses Various</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:25		
<b>Deep Multi-Task and Meta Learning</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:14		
<b>Full Stack Deep Learning - Course and Tools</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:28		
<b>GAN Tutorial</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:27		
<b>GPT-3 Book</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:06		
<b>Introduction to Machine Learning Problem Framing</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:08		
<b>Learn Linux - Various Resources</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:19		
<b>Mathematics for Machine Learning</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:13		
<b>Public Datasets to practice Machine Learning</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:22		
<b>Publishing Papers with Code</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:17		
<b>SciPy Conference Talks Collection</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:21		
<b>System Design - Various Courses</b>	✕ DELETE	✎ EDIT
Posted by: admin at 2022-08-18 09:23		
<b>What is sea ice?</b>	✕ DELETE	✎ EDIT
Educational content materials providing an introduction to concepts and terminology about sea ice. These materials provide inquiry based learning using the highest educational practices targeting the undergraduate educator, but can be utilized by graduate, as well as K-12 level educators to provi...		
Posted by: spierce at 2022-08-17 14:03		

- 1) Identified possible collections of AI and educational materials
- 2) Began collecting potential resources and adding them to the iHARP instance of OntoSoft

# OntoSomethin' Github Repository Created

## # OntoSomethin-

This is the repository for the OntoSomethin' Hackathon Team for the ISGEO and iHARP Annual 2022 Workshop

## Goal of the OntoSomethin' Project:

Create a Knowledge Management Registry (KMR) of Polar and Data Science resources to support the iHARP and ISGEO research communities. The KMR will Prioritize Spatio-temporal Materials for Education from the perspective of both AI and Polar Domains

## Activities:

1. Set up and Initial Taxonomy or Framework to categorize and label entries in the registry.
2. Identified possible collections of AI and educational materials

## iHARP KMT Taxonomy (preliminary)

Keywords or Labels used in Ontosoft entries:

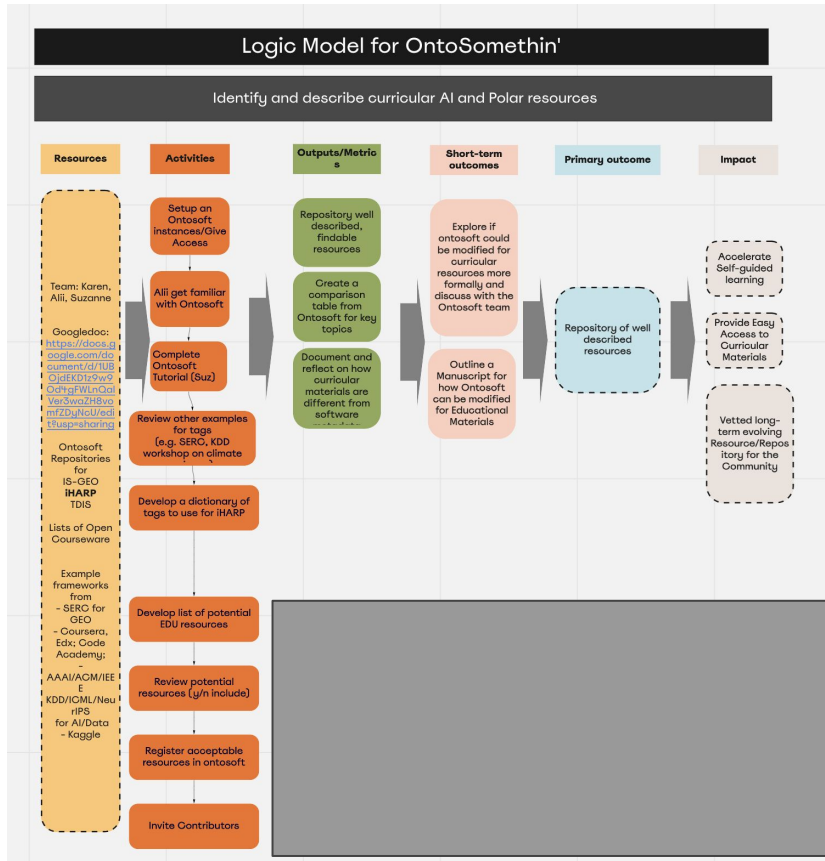
1. Categories
  - tool, - teaching material, - tutorial
2. domain problem
  - polar science
  - ai/ml
  - data science ice sheet melting, spatio-temporal, sea ice, etc.]
3. approach/method

We created a space to share our work on Github.

<https://github.com/helpfultangent/OntoSomethin->



# Completed Thursday, August 19, 2022



# OntoSomethin': Create a Knowledge Management Registry for Polar and Data Science Research Communities

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