Governance Transition for the Data Management Training Clearinghouse Expansion Project

ESIP SUMMER 2018 IN TUCSON, AZ
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UNIVERSITY LIBRARIES

ESIP — MAKING DATA MATTER

Knowledge Motifs LLC
Mapping sensible data relationships

INSTITUTE *of* Museum and Library SERVICES

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Welcome & Introductions

Agenda

- **A WEE BIT OF HISTORY LEADING TO THE PRESENT**
  - From USGS CDI to ESIP DMT WG
  - Our partners and collaborators along the way
- **AWARDING OF THE 3 YEAR IMLS NATIONAL LEADERSHIP GRANT**
- **ASSOCIATED PROJECTS THAT HAVE PROPELLED US FORWARD**
- **TRANSITIONING TO A BROADER DOMAIN MODEL = *ESIP* +**
- **INITIAL FRAMEWORK: ADVISORY BOARDS & WORKING GROUPS**
- **DISCUSSION OF GOVERNANCE MODELS & PROSPECTIVE PARTICIPANT INTERESTS**
- **DISCUSSION OF NEXT STEPS**

Catch up the ESIP (+) Community on the status of the DMTC

Gather feedback on feasible governance models for DMTC

Define scope, parameters & opportunities for participation

Identify interested parties

Goals for this Session

That wee bit of history...

2011 - 2016

- ESIP Data Stewardship Committee's *Data Management Short Course for Scientists* (published in 2011/12)
- Next? Aha! A clearinghouse for all manner of training on RDM! (2014)
- $50K seed $$ from USGS Community for Data Integration (2015/16)
  - Web interface for Search, Browse, Submit
  - Added resources of 3 collaborators to start: USGS, DataONE, ESIP
  - Launched October 2016
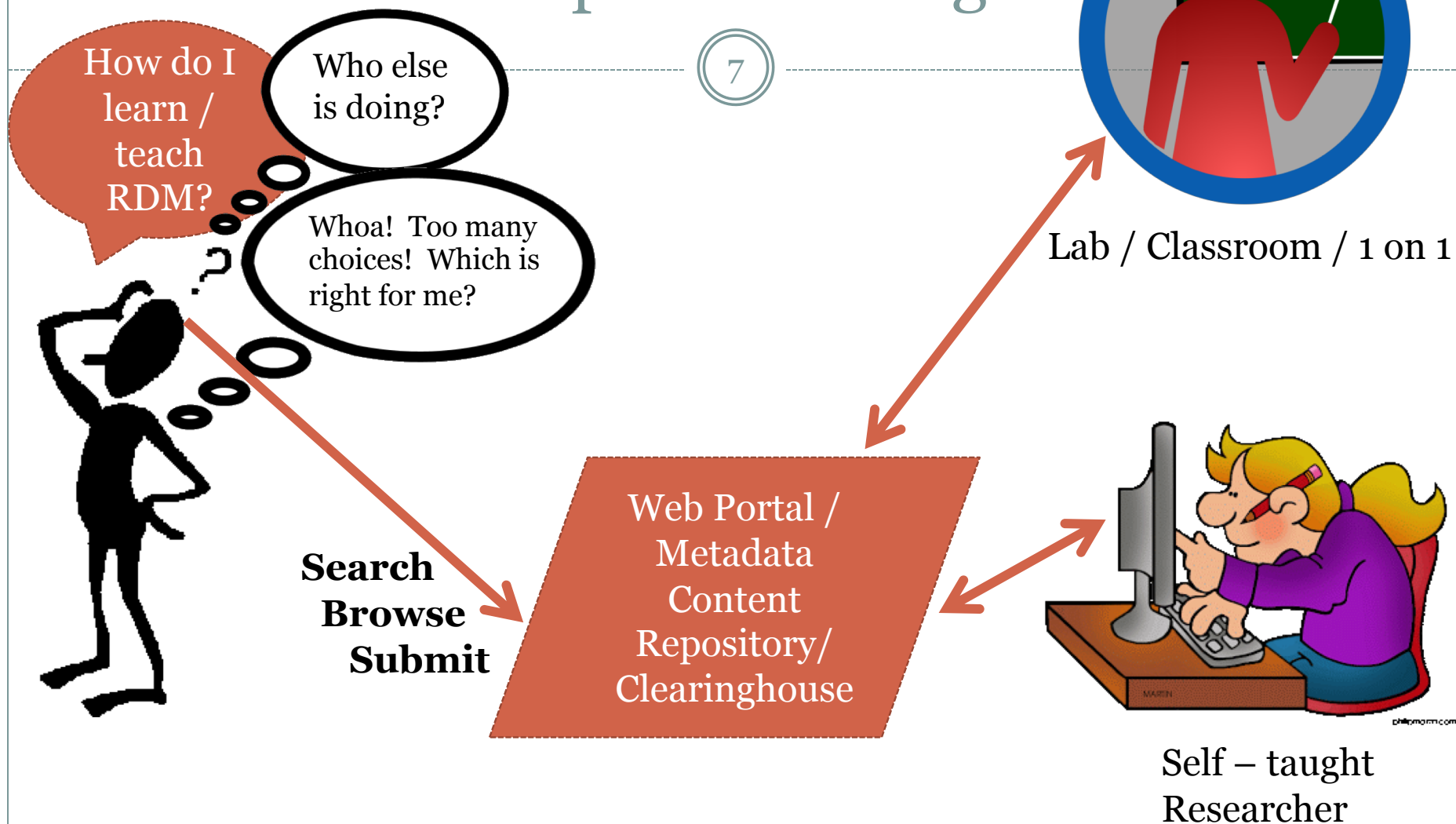 - ~ 60 resources to start

That wee bit of history...

2016 - present

- Formed an ESIP Data Management Training Working Group (DMT WG)
  - Received a small budget over two years for web enhancements based on user feedback; continued to meet monthly

- Attended NSF funded Science Gateways Community Institute to articulate *vision*, and move the DMTC from a registry to an education gateway with a sustainability plan (2017)

- Began working with AGU / RDA / ESIP on Enabling FAIR Data project (2017)

- Awarded IMLS grant (2018 – 2021)
  - (Subset of broader vision; part of sustainability plan)

Napkin Drawing

How do I learn / teach RDM?

Who else is doing?

Whoa! Too many choices! Which is right for me?

Search Browse Submit

Web Portal / Metadata Content Repository/ Clearinghouse

Lab / Classroom / 1 on 1

Self – taught Researcher

Excerpted from the SGCI BootCamp "Pitch Deck"

Target Audiences

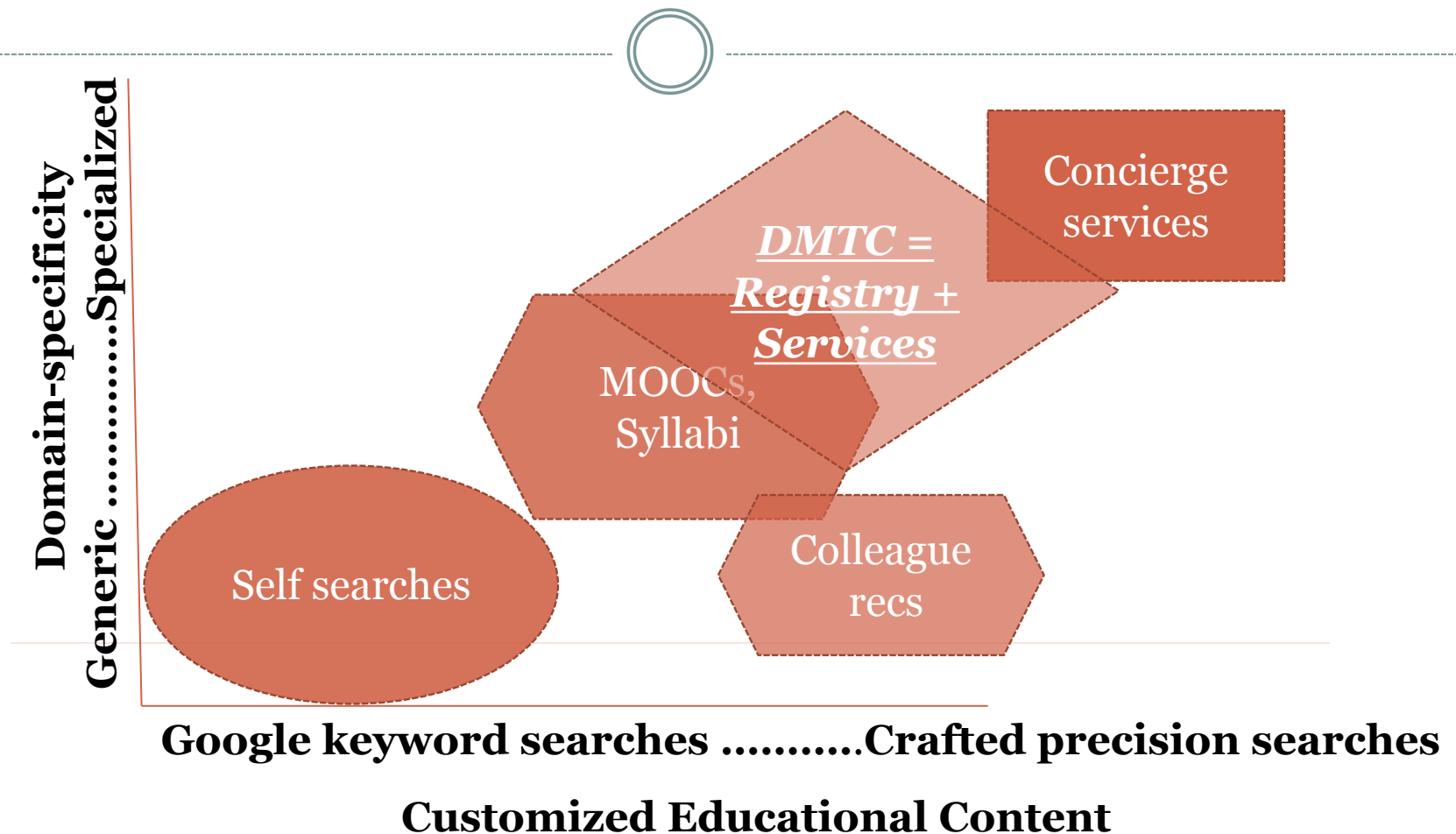| Contributor	Data Management Learner

• Key segments within [science] research data communities whose job it is to teach about data management:
 	
   ○ Data repositories
   ○ Academic & govt. data librarians
 	
• Numbers: TBD
	• Academic researchers & their teams who want to learn just what they need to know, just when they need to know it
	
	• Independent & government researchers who create and provide data
	
	• Numbers: TBD

Value Proposition for *Content Consumer*

The Science Gateway to Data Management Education ....

     WILL HELP **Science Researchers**........

       TO **find, use and recommend specialized & targeted learning resources on research data management**........

       BY **searching and browsing the Data Management Training Clearinghouse, and using the recommender, ranking & facilitation services of the Science Gateway.**

Value Proposition for Content Consumer
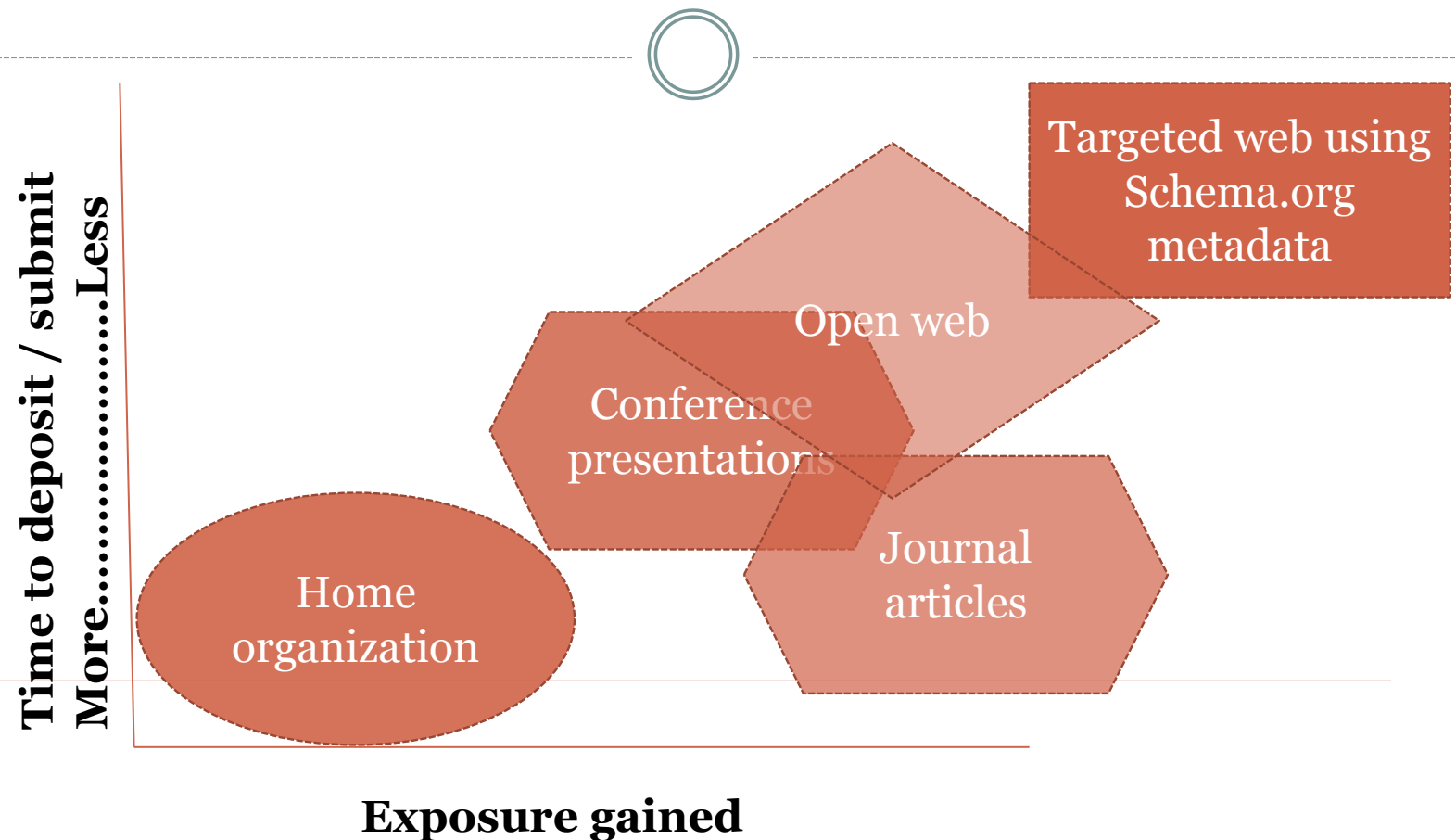
Value Proposition for *Content Contributor*

The Science Gateway to Data Management Education ………….

    WILL HELP **Research Science Data Management Educators** ……..

    TO **find, use and share specialized educational content on research data management**……..

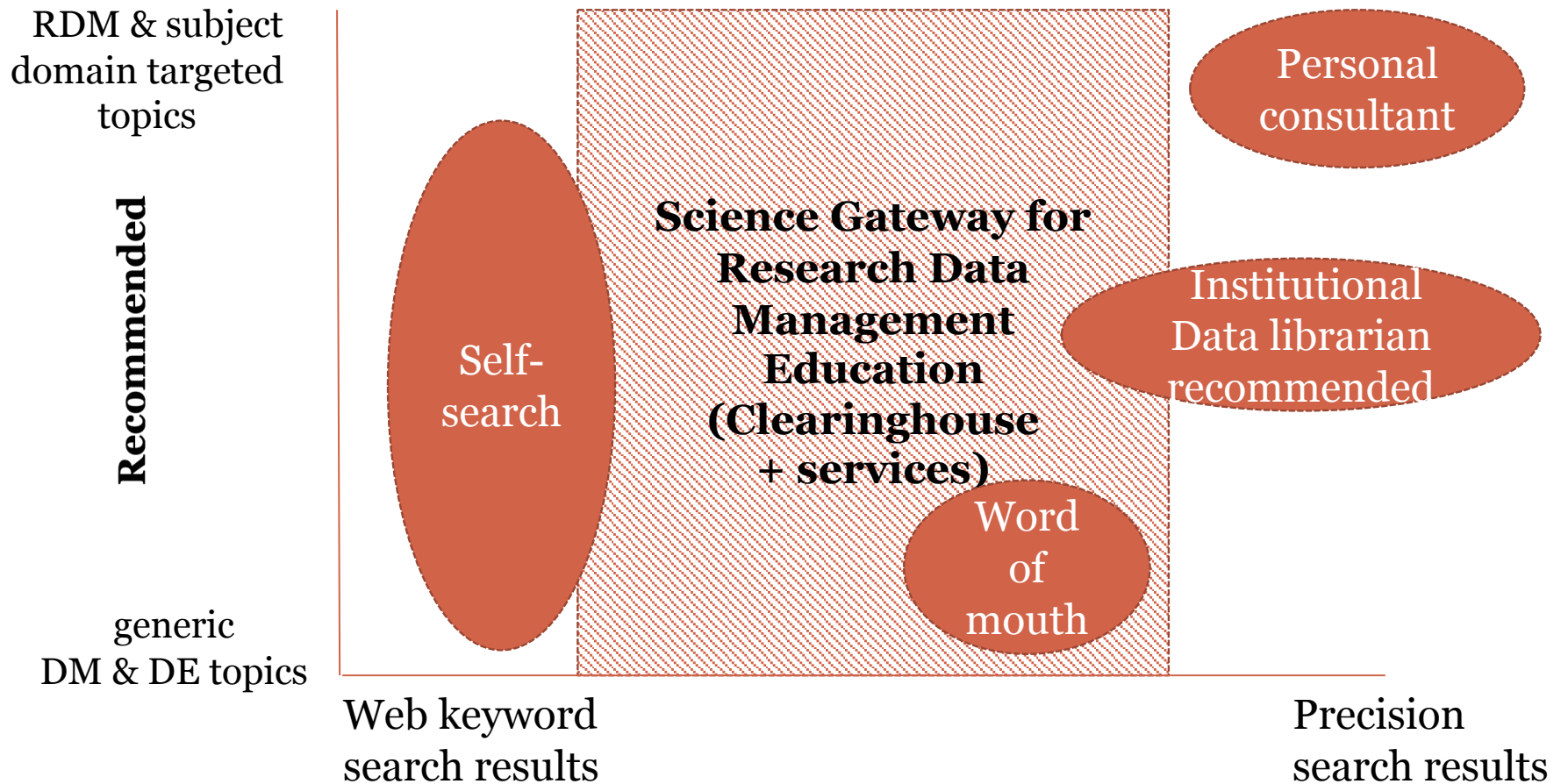   *BY* **contributing (submitting) to the Data Management Training Clearinghouse**.

Value Proposition for Content Contributor:

EZ Deposit tool to share educational content

Discovery of *Recommended* DMT Learning Resources

Functionality

Current

- Search
- Browse
- Metadata submission
- User profiles
- Limited capacity for efficient editorial review processes
- Minimal security
- Minimal built in usage metrics (based on Google Analytics)

Functionality

Desired (current +)

- Mechanisms to:
  - Allow users to annotate & rank resources based on an embedded community built assessment framework
  - Facilitate the curation of resources, such as using current & ongoing gap analyses, and gather user analytics
  - Create customized lists of resources from inventory
  - Provide real-time educational offerings that can be accessed via the educational gateway
  - Improve the efficiency of editorial review processes in order to maintain quality control & currency of resources, e.g., by targeted URL checking and notifications

Advisory Team / Working Group Participants

- *Phase 1*

  - ESIP Data Stewardship Committee ($$)
  - DataONE Community Engagement & Education
  - USGS Community for Data Integration ($$)

- *Phase 2 (phase 1 +) possibilities*

- Data repositories (NASA DAACs, USGS repos, US Agriculture Library, LTERs)
- University Libraries (UNMexico, UFlorida, Notre Dame, UCAR, NCAR, IU, UAz, others TBD)
- Consortia (AGU, DataCite, RDA, UK's Digital Curation Center, ANDS, Natl Med Librs), SGCI

Here we are!

Institute of Museum & Library Services (IMLS) National Leadership Grant (NLG)

Goals

- Build depth & expand the diversity of inventory in the DMTC

- Enhanced discovery of resources in the DMTC (metadata model, microformats, refined controlled vocabularies, user testing)

- Improve web interface & add functionality to the DMTC

- ID, adapt or develop an assessment framework for the resources in the DMTC

- Goal: Build depth & expand the diversity of inventory in the DMTC
  - Broaden range of subject disciplines covered
  - Harness the expertise of those who offer training / education in this area, particularly, research / data librarians
  - Solicit advise & feedback from existing and potential educational resource "consumers" on needed and useful educational content

- Goal: Enhanced discovery of resources in the DMTC (metadata model, adding microformats, refined controlled vocabularies, user testing)
  - Evaluate & possibly expand:
    - LRMI metadata model
    - Microformats for future use by Schema.org
    - Controlled Vocabularies
    - Feedback & prioritization of user feedback

- Goal: Improve web interface & add functionality to the DMTC
  - Establish ongoing relationship with experienced usability testing, crowdsourcing & user testing groups such as:
    - ESIP Usability Cluster
    - Mozilla Open Leaders
    - Key research / data librarian events such as RDAP & ACRL
  - Adapt & refine productive methods for soliciting feedback from educational content consumers & educational content submitters

- Goal: ID, adapt or develop an assessment framework for the resources in the DMTC
  - Identify & engage with key professional groups to assist / advise on the use of an assessment framework, e.g.,
    - CLEAN (Climate Literacy & Energy Awareness Network)
    - DataONE (EEVA tool)
    - Professional educators such as the ESIP Education Committee, the InTeGrate community (Interdisciplinary Teaching about Earth for a Sustainable Future), NATG (National Association of Geoscience Teachers)

How?

Initial Framework to achieve project goals

Here we are!

- Form strategic Advisory Board of a broad range of stakeholders
- Form Working Group(s) to focus on specific areas, e.g.,
  - Metadata to enhance discovery
  - Liaison to ESIP Usability Cluster & others for user feedback on DMTC web interface & added functionality
  - Development of an assessment framework for the resources in the DMTC
  - Providing editorial guidance for new content to be added

Expectations

Existing roles:

- Karl – Grant PI & overall project manager
- Nancy – Grant Co-I & project coordinator, (also existing DMTC editor & Chair of DMT WG)
- Erin – DMTC service host

Written into the IMLS Grant:

- Advisory Board meets quarterly
- Working Groups work as needed

So..

- Questions, including…
  - Structure of Advisory Board (AB) / Working Groups (WGs)
  - Areas of responsibility for each, e.g.,
    - Outreach / Connections to representative communities
    - Strategic directions to move toward sustainability
    - Other…?

- Discussion…