

Enhancing the ESIP Data Management Training Clearinghouse: a Community Engaged Project

Introduction

In July 2018 the University Libraries at the University of New Mexico and Knowledge Motifs LLC kicked off a three year project funded by the **Institute of Museum and Library Services (IMLS)** to enhance ESIP’s Data Management Training Clearinghouse (DMTC). The initial development of the DMTC and integration of content was supported by the **Earth Science Information Partners, DataONE**, and the **U.S. Geological Survey's Community for Data Integration**. The current project builds upon this foundation though focusing on four activities:

- Diversifying and expanding the content in the clearinghouse
- Developing an assessment framework for the clearinghouse that enables feedback collection and integration into the clearinghouse from users, and training recipients
- Enhancing the clearinghouse’s metadata model and search tools based upon metadata content
- Increasing the knowledge and use of the clearinghouse and its content by the library community in their delivery of research data management training to their user communities through targeted outreach.

The success of the project ultimately depends upon contributions by the broader data management community of training materials, feedback on the clearinghouse content and the clearinghouse itself, experience with documentation needs and standards, and connections with the growing community of research data management trainers.

In the process of initiating the project The project leadership, including members of the project’s Advisory Board have generated a set of Kellogg Logic Models associated with the four activity areas. In preparation for translating these models into a prioritized collection of activities that are well aligned with the community’s needs and interests the activities defined in the models are provided on this poster to enable the capture of priorities identified by the ESIP community.

This poster has three objectives:

1. To update the ESIP community on the progress of the project to date, and
2. Capture community feedback on the prioritization of the specific activities that have been identified by the project’s advisory board
3. Identify community members who are interested in continued engagement with the project through contributing to the project’s **advisory board**, our **working groups**, or the **editorial board**.



Pick with a Pin (or three)

Select your top 1-3 activities from each collection to the right by sticking pins in the corresponding “priority” column.

"Stick It" by Kristin "Shoe" Shoemaker. <https://flic.kr/p/9che9T>. CC BY-ND 2.0, <https://creativecommons.org/licenses/by-nd/2.0/>

Assessment Framework

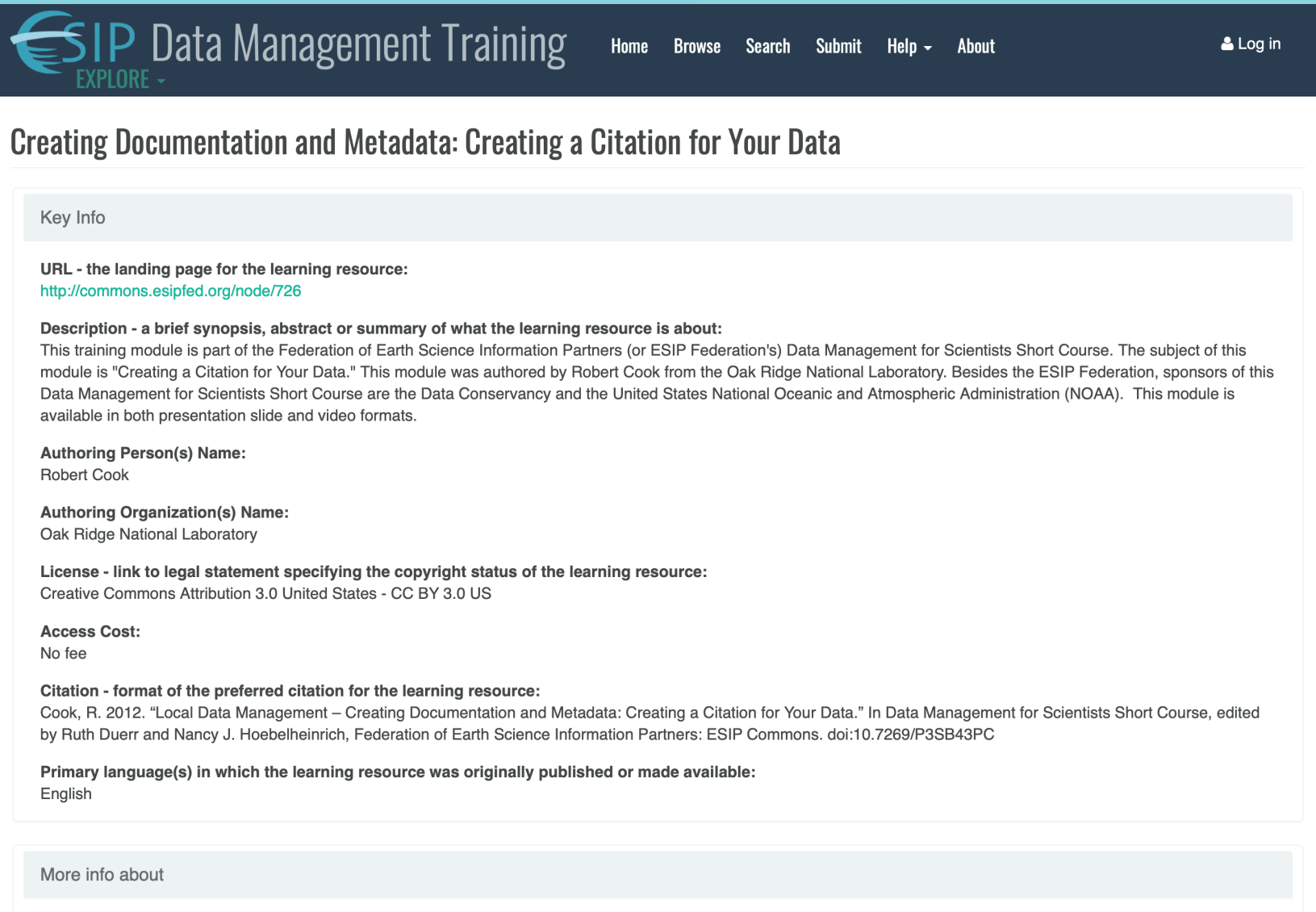
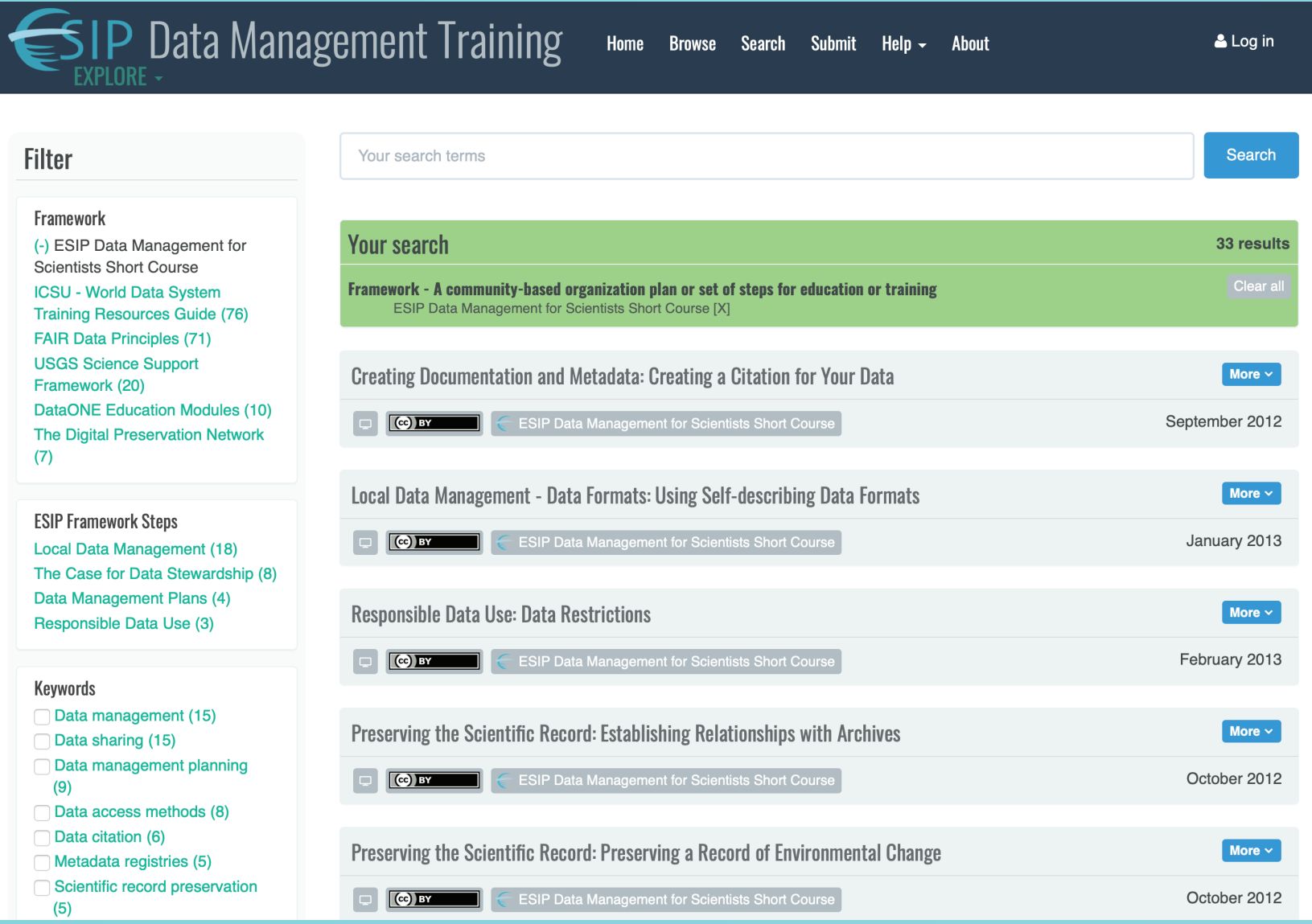
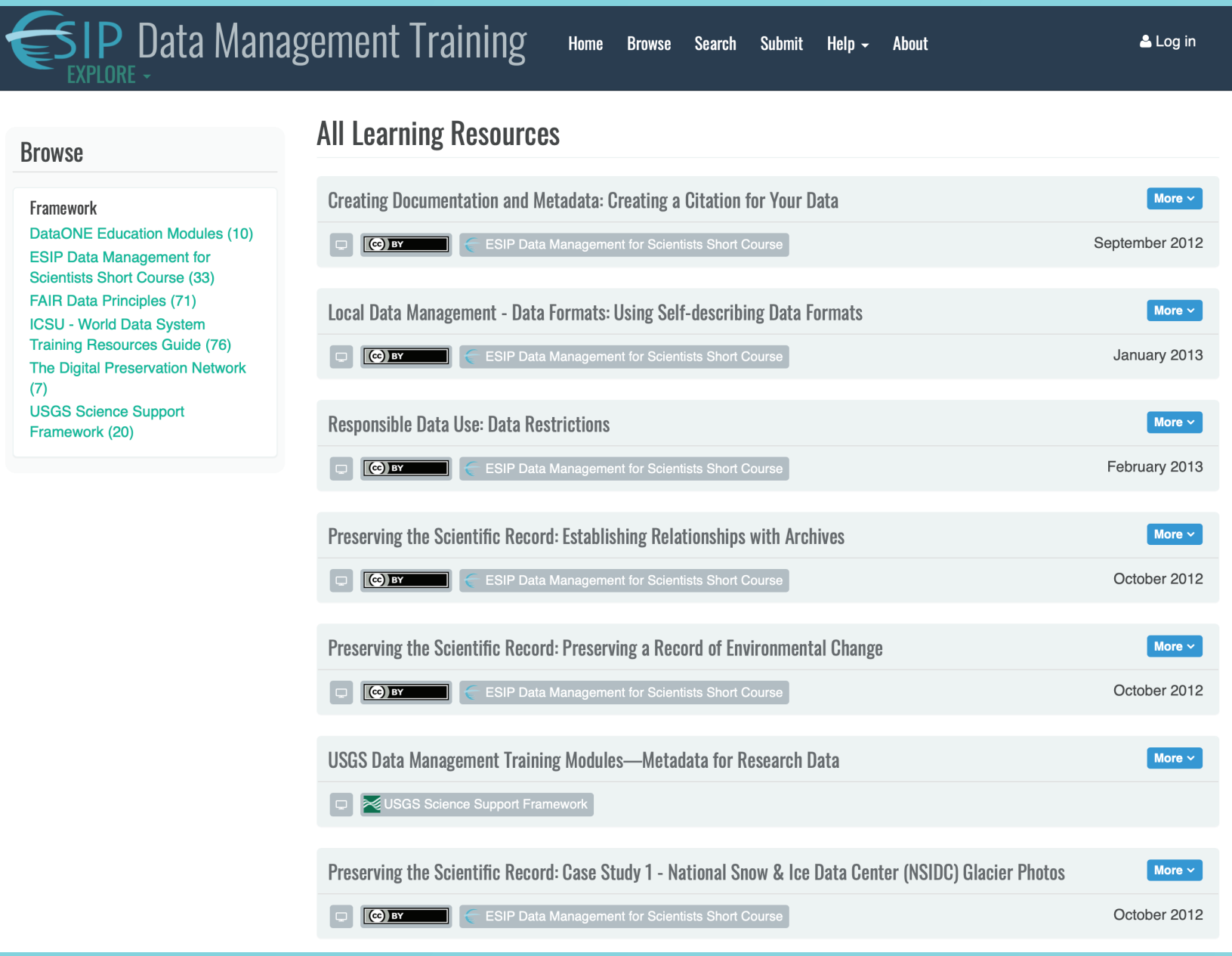
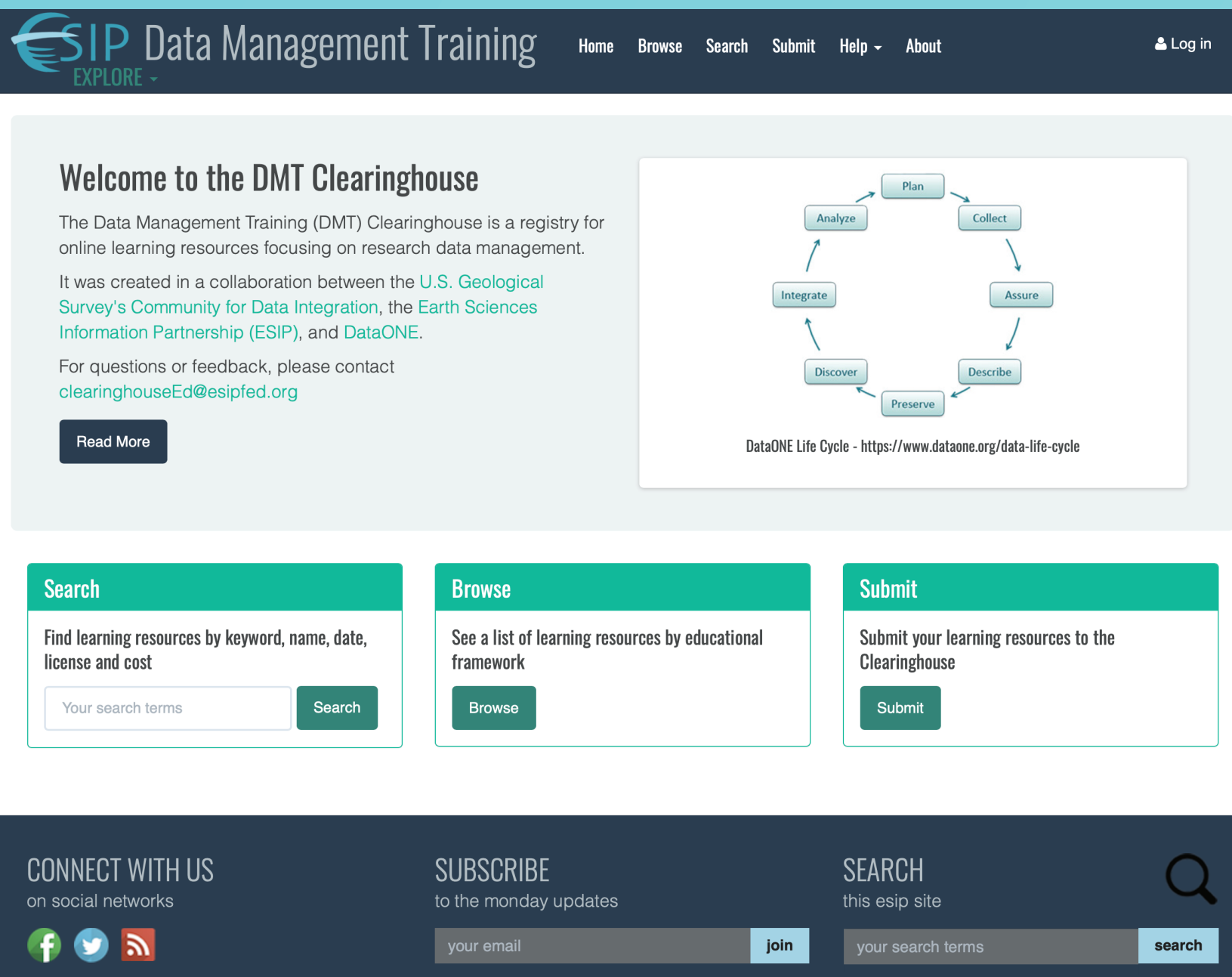
Priority	Activity
	Identify and evaluate existing assessment rubrics. Engage with content producers to ID their assessment needs and mechanism(s) for collecting those assessments Develop rubric for training material assessment including capturing context of assessment with assessment responses.
	Technical evaluation of potential assessment tools for purposes of understanding the feasibility of implementation
	Identify & evaluate appropriate exemplars/best practices for assessment of educational resources like those in the Clearinghouse.
	Develop a long-term assessment plan that will provide the output desired to inform Clearinghouse content creators and consumers of the effectiveness of the content created and/or used.
	Adapt exemplars / best practices to develop a specific instrument/strategy for the Clearinghouse audience
	Assess & implement mechanisms for measuring the usage / adaptation of resources in the DMTC
	Design web-based interface for applying assessment framework to content in Clearinghouse
	Prototype assessment instrument(s)

Outreach - Workshops

Priority	Activity
	Reference guidelines and other materials created in activities above in outreach activities.
	Create communications templates
	Conference & other event related workshops and presentations
	Promotion through external organizations and events
	Form and convene working group meetings
	Identify key contacts for outreach - organizations, and individuals
	Create communications plan



IMLS DMTC Logic
Models Document
<http://bit.ly/2nohSqj>



IMLS DMTC Project
OSF Site
<https://osf.io/smqfk/>

Content Diversification & Expansion

Priority	Activity
	Inventory content and gap analysis relative to a TBD “reference” framework
	Inventory content relative to a defined list of disciplinary foci
	Inventory content relative to defined target audiences
	Develop & document guidelines for educational content creation including content, documentation, and strategies for content preservation and re-use.
	Develop editorial policy, practices, and workflow guidelines for identification, selection, and integration of content into the Clearinghouse
	Add content to clearinghouse

Metadata & Search

Priority	Activity
	Assess use and interaction with the current interface to identify key information seeking patterns Usability testing
	Prioritize existing and additional metadata elements that should be exposed as facets or otherwise through the search interface Implement prioritized metadata elements within the search interface and schema.org representation
	Review controlled vocabulary terms, especially for keywords, target audiences Expand as needed Manage vocabulary version control
	Develop metadata guidelines, and conventions embedded within the standards
	Investigate how to deal with versions of resources; what to display (version field & change publication date field)?
	Persistent identifiers - support for and use of? Examples would be DOIs for training materials and ORCIDs for contributors of materials
	Attribution and reuse - suggested citations, guidelines and policy, especially for those without a license or usage info.
	Explore the feasibility of establishing an overall or “core” educational framework for the resources. Map current frameworks into the common framework



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