Connecting people and resources to accelerate discovery by empowering the science gateway community

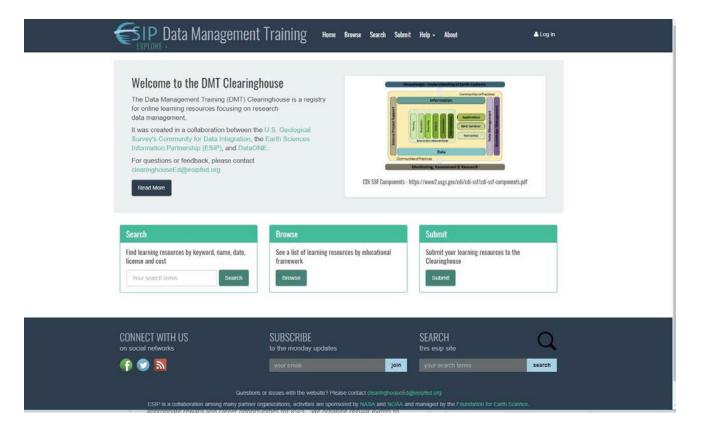


Pitch Deck for Science Gateway for Data Management Education From Science Gateways Bootcamp in Oct 2017

Nancy Hoebelheinrich (& Erin Robinson)
Gateway 2018
Thursday, September 27, 2018
Austin, TX

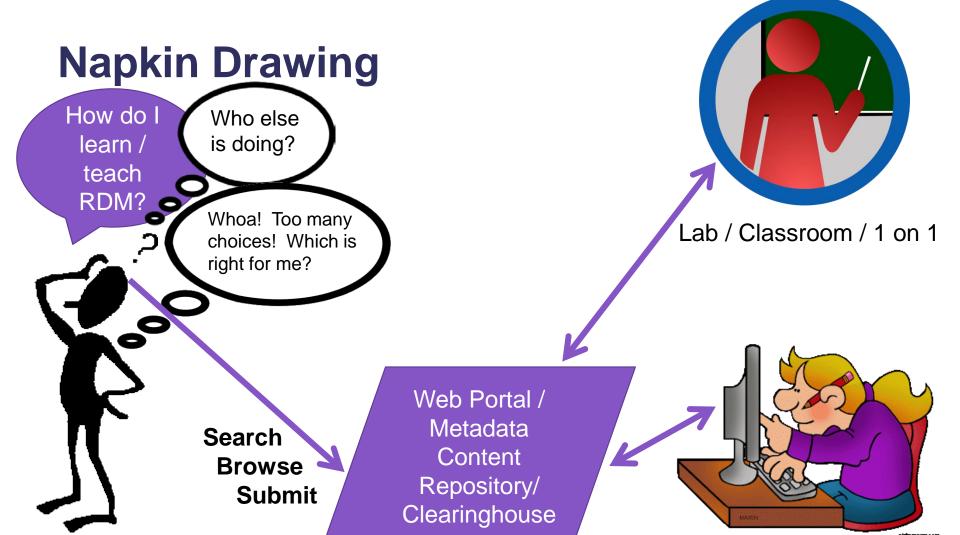


Motivation: Turn a *Project* into a *Gateway*: Data Management Training Clearinghouse → Data Management Education Gateway



http://dmtclearinghouse.esipfed.org





Self – taught Researcher



Target Audiences

Research Data Management Learner

- 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

Contributor

- Key segments within science research data communities whose job it is to teach about data management:
 - Data repository team members
 - Academic & govt. data librarians
 - Data science educators



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 & learning facilitation services of the Science Gateway.



Value Proposition for Content Contributor

The Science Gateway to Data Management Education

WILL HELP Research Science Data Management Educators

.....

TO find, use and share and get credit for specialized educational content on research data management.......

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



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)

Desired (current +)

- Better security options for spamming and for more advanced usage metrics
- 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



3 Month Goals (starting October 2017)

- Plan, prepare & implement awareness & usability testing event at AGU for data management learner Clearinghouse user
- 2. Increase inventory of resources in portal by 25 50 percent
- 3. Develop and begin implementing an ongoing marketing plan to raise awareness (so people care)

6 Month Goals

- Identify, invite and plan for face to face meeting of potential Advisory Board members
- Adapt usability testing framework to content contributor user and conduct usability testing at ESIP Winter meeting
- 3. Explore the options for moving from current hosting infrastructure to HubZero infrastructure



What has happened since October 2017?

Found some funding!!

- Found a partner with the University of New Mexico to seek funding
- Together we were awarded a 3
- year National Leadership Grant by the Institute of Museum & Library
- Services which will move us forward toward our desired functionality (2018 2021)

Added functionality from list of desired adds:

- 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
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What else has happened since October 2017?

- Found new collaborative partners:
 - AGU / RDA Enabling FAIR project stakeholders
 - Australian Research Data Commons
 - A number of other U.S. research libraries
 - European Commission's GO FAIR Project
- Organized two successful crowdsourcing events (helped test that method for community engagement & sustainability)

- Expanded reach from UScentric to include:
 - European organizations & resources
 - Australian organizations & resources
 - Soon to be reaching out to Africa & hopefully, South America
- More than doubled size of inventory of educational resources
- Diversified the range of science (& some social science) disciplines covered

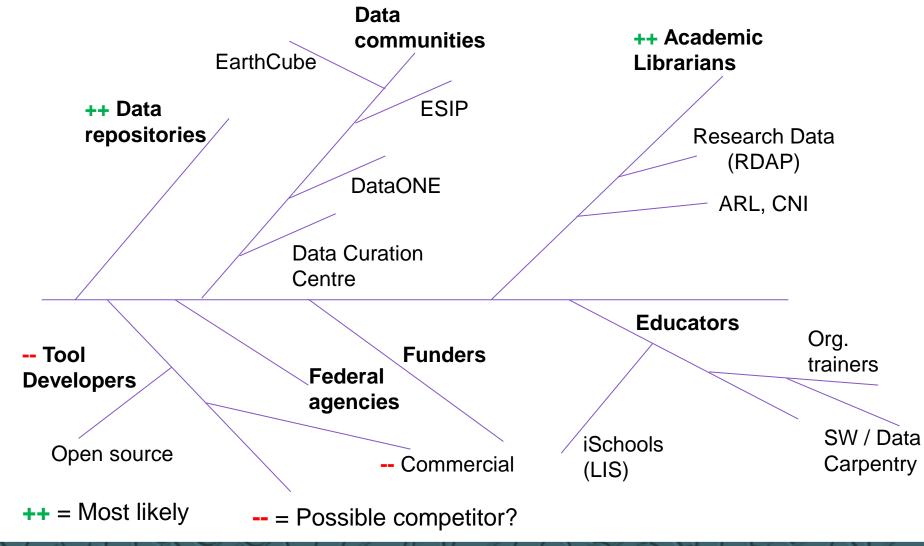


What did we do / are we doing?

- Kept things simple & looked for incremental progress
- Broadened the scope a bit to include training during the entire research / data lifecycle
- Jumped to help on aligned projects, i.e., AGU / RDA Enabling FAIR Data Project
- Found dedicated partners who believe in the need & approach & help to spread the word
- Seem to have hit the right market niche

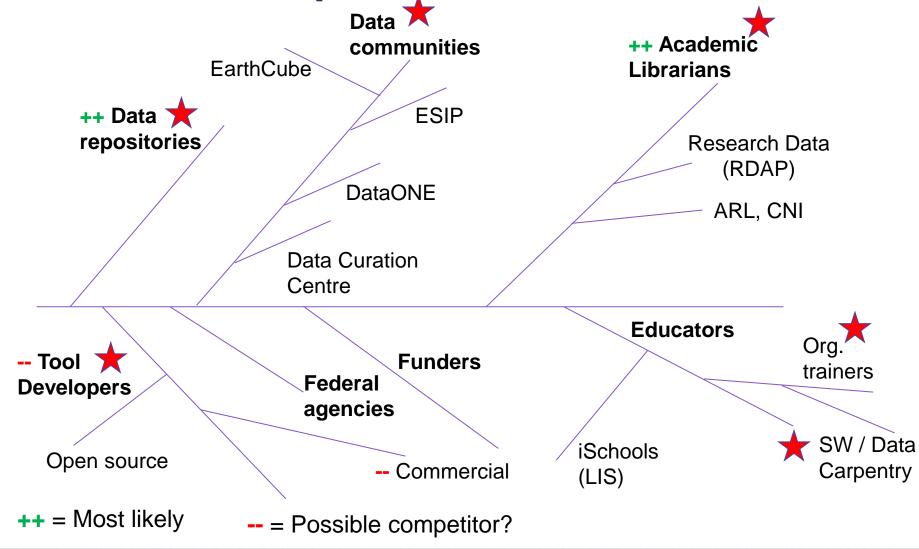


Market Development for Contributors





Market Development for Contributors





What's next?

- Fulfill our existing obligations per the IMLS grant
- Continue to look for longer term funding, especially for:
 - More robust technical infrastructure
 - Filling the gaps in topics and dearth of creators / contributors of educational resources
 - Expand rewards for content contributors & content users / re-users
- Keep our eyes & ears out for other collaborators!
 - Interested???

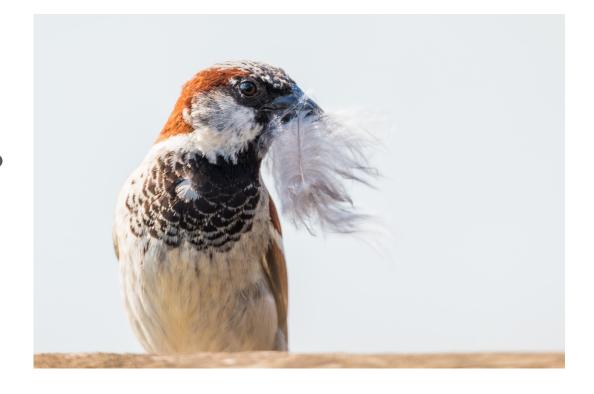


What's next - continued...

Keeping our eyes & ears out for other

collaborators!

Interested???



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