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SiteDB

Participants:

- In-person: James Brunt, Yang Xia, Jason Downing, Margaret O'Brien, Don Henshaw
- Videoteleconference: Jamie Hollingsworth, Aaron Stephenson

Day 1: Thursday, April 5, 2012

0830: Introduction

- Agenda review (Don)
- Discuss goals / products for this meeting
- a. Consider advantages of use and need for redesign of SiteDB
- i. Common use and sharing of SiteDB
- ii. Accommodation of discipline-specific metadata within the design
- b. Consider use of SiteDB within the PASTA architecture
- i. EML best practices for discipline-specific metadata
- c. ClimHy integration path
- i. Moving from current harvest system to PASTA workflow-based system
- d. General prescription for producing cross-site, value-added data

0945: Background presentations

- SiteDB presentation (James, Yang)
- a. Current status and use (Yang)
- b. SiteDB schema/architecture (James)
- ClimDB presentation (Don, Yang)
- a. Current status and use (Yang)
- b. Review current harvest system, exchange formats and metadata (Don)
- c. Review schema, illustrate with example ClimDB-generated metadata pdf (Don)
- StreamChemDB presentation (Don)
- a. Current status and schema design
- b. Current integration needs with ClimHy data and metadata
- LTERMapS presentation (Jamie, Aaron)
- a. Current status and design
- b. SiteDB requirements/issues

Noon: lunch 1300-1700:

- Working discussions:
- a. Redesign of SiteDB
- i. Prepare for common use of SiteDB descriptions/ discipline-specific metadata
- ii. Share SiteDB metadata with ClimHy/StreamChemDB, LTERMapS, other DBs
- iii. Add modules for specific metadata, e.g., Hydrology, Stream chemistry module
- iv. Use of web services to populate or deliver SiteDB data
- b. Mapping discipline-specific metadata into EML
- i. Integrate key ClimHy metadata into EML best practice for DBs, e.g., site descriptions, methods
- ii. Build EML template for a standard ClimHy data harvest: <u>HTML view of a candidate template for a ClimDB data submission</u> [1]. Based on SBC precipitation data; see below for raw EML file on SBC server.
- iii. Use of web services to populate EML for ClimHy data harvests
- c. Outline steps for moving ClimHy integration forward
- i. Use EML ClimHy template to describe current harvest data
- ii. Use of SiteDB to capture ClimHy-specific metadata
- iii. Use of workflows to populate ClimHy from site-specific formats

June 2011 - ClimDB/HydroDB integration into PASTA: http://im.lternet.edu/node/887 [2]

StreamchemDB test website: http://web.fsl.orst.edu/streamchem/ [3]

Day 2: Friday, April 6, 2012

TBD

EML Resources:

SBC EML file that describes a ClimDB submission:

http://sbc.lternet.edu/external/EML/Data_packages/harvester/SBCLTER_prec... [4] This is a template document, and should not be exposed in a public catalog. Please use for demonstration or testing only. Contact SBC for more information.

HTML view of this EML template (as a SBC "draft data package"): http://sbc.lternet.edu/cgibin/showDraftDataset.cgi?docid=watershed_clim... [1]

Attachment	Size
2012_SiteDB_product-oriented_proposal.docx	[5] 20.62 KB
HJA talk Nov11 v4Nov11 Don.pptx [6]	5.67 MB
Yang_climhyDB_dh_yx_2.pptx [7]	2.97 MB
ERD.pdf [8]	441.61 KB
descriptors.xls [9]	78.5 KB

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Source URL: http://im.lternet.edu/projects/SiteDB

Links:

- [1] http://sbc.lternet.edu/cgi-bin/showDraftDataset.cgi? docid=watershed_climdb_precip_sbc/SBCLTER_precip_climDB_TEMPLATE.1.1.xml
- [2] http://im.lternet.edu/node/887
- [3] http://web.fsl.orst.edu/streamchem/
- [4] http://sbc.lternet.edu/external/EML/Data_packages/harvester/SBCLTER_precip_climDB_TEMPLATE.1.1.xml
- [5] http://im.lternet.edu/sites/im.lternet.edu/files/2012_SiteDB_product-oriented_proposal.docx
- [6] http://im.lternet.edu/sites/im.lternet.edu/files/HJA talk Nov11 v4Nov11 Don.pptx
- [7] http://im.lternet.edu/sites/im.lternet.edu/files/Yang_climhyDB_dh_yx_2.pptx
- [8] http://im.lternet.edu/sites/im.lternet.edu/files/ERD.pdf
- [9] http://im.lternet.edu/sites/im.lternet.edu/files/descriptors 0.xls