

LTER Ocean Acidification Data Management



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Wed, 09/12/2012 - 1:37pm — mgastilbuhl

This page is for gathering web resources to build on for the LOAD'M plan.

Resources

Dickson's lab's manuals online

http://cdiac.ornl.gov/oceans/Handbook_2007.html [1]

EPOCA book download pdf of book

<http://www.google.com/url?q=http%3A%2F%2Fwww.epoca-project.eu%2Findex.ph...>
[2]

Example EOPOCA datasets:

1. PANGAEA.769833 [3] (specially the 4th on list)
2. PANGAEA.727120 [4] Observational data

Example LTER datasets:

1. knb-lter-mcr.1037 [5] (or in metacat <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.1037/lter> [6])
2. knb-lter-mcr.2002 [7] (or in metacat <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.2002/lter> [8])
3. knb-lter-mcr.5005 [9] (or in metacat <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.5005/lter> [10])

4. <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.88/lter> [11]
- <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.89/lter> [12]
- <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.90/lter> [13]
- <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.91/lter> [14]
- (same data in four time periods) Surface water samples DIC, TA and pH
5. <http://metacat.lternet.edu/knb/metacat/knb-lter-pal.44/lter> [15]
- bottle samples 1999 - 2003 DIC and alkalinity

Past OA Data Mgmt wkshop (NOAA, IOOS in Seattle spring 2012)

1. workshop report [16]
2. define OA dataset and minimum variables [17]

Software

CO2SYS <http://cdiac.ornl.gov/ftp/co2sys/> [18] is that best link?

seacarb

<http://cran.r-project.org/web/packages/seacarb/index.html> [19]

<http://www.obs-vlfr.fr/~gattuso/seacarb.php> [20]

CO2calc from USGS <http://soundwaves.usgs.gov/2011/03/research4.html> [21]

The powerpoint used at ASM Working Group Sept 13 is attached at the bottom of this page.

Products from ASM working group

Keyword List: (see attached pre-wg draft)

Measurements List:

(examples: TA vs TALK, tCO₂ vs DIC; see attached pre-wg list)

Which LTER Core Research Area:

Data Levels:

Attachment	Size
Suggested Keywords.docx [22]	13 KB
example_OA_dataset_1.xls.xlsx [23]	40.84 KB
LTER ASM 2012 - LOAD'M.pptx [24]	511.76 KB

- ControlledVocabulary [25]

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 Please contact us with questions, comments, or for technical assistance regarding this web site.

Source URL: <http://im.lternet.edu/node/1078>

Links:

- [1] http://cdiac.ornl.gov/oceans/Handbook_2007.html
- [2] http://www.google.com/url?q=http%3A%2F%2Fwww.epoca-project.eu%2Findex.php%2Frestricted-area%2Fdocuments%2Fdoc_download%2F658-guide-to-best-practices-for-ocean-acidification-research-and-data-reporting.html&sa=D&sntz=1&usg=AFQjCNGXDL8C90p
- [3] <http://doi.pangaea.de/10.1594/PANGAEA.769833>
- [4] <http://doi.pangaea.de/10.1594/PANGAEA.727120>
- [5] <http://mcr.lternet.edu/cgi-bin/showDataset.cgi?docid=knb-lter-mcr.1037>
- [6] <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.1037/lter>
- [7] <http://mcr.lternet.edu/cgi-bin/showDataset.cgi?docid=knb-lter-mcr.2002>
- [8] <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.2002/lter>
- [9] <http://mcr.lternet.edu/cgi-bin/showDataset.cgi?docid=knb-lter-mcr.5005>
- [10] <http://metacat.lternet.edu/knb/metacat/knb-lter-mcr.5005/lter>
- [11] <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.88/lter>
- [12] <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.89/lter>
- [13] <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.90/lter>
- [14] <http://metacat.lternet.edu/knb/metacat/knb-lter-gce.91/lter>
- [15] <http://metacat.lternet.edu/knb/metacat/knb-lter-pal.44/lter>
- [16] <http://oceanacidification.wordpress.com/2012/06/18/a-report-from-the-ocean-acidification-data-management-workshop-march-13-15-2012-seattle-wa/>
- [17] <http://oceanacidification.wordpress.com/2012/05/09/what-is-an-ocean-acidification-data-set-and-what-are-the-minimum-core-variables/>
- [18] <http://cdiac.ornl.gov/ftp/co2sys/>
- [19] <http://cran.r-project.org/web/packages/seacarb/index.html>
- [20] <http://www.obs-vlfr.fr/~gattuso/seacarb.php>
- [21] <http://soundwaves.usgs.gov/2011/03/research4.html>
- [22] http://im.lternet.edu/sites/im.lternet.edu/files/Suggested_Keywords.docx
- [23] http://im.lternet.edu/sites/im.lternet.edu/files/example_OA_dataset_1.xls.xlsx
- [24] http://im.lternet.edu/sites/im.lternet.edu/files/LTER_ASM_2012_LOAD'M_0.pptx
- [25] <http://im.lternet.edu/taxonomy/term/45>