EML: Submission and Discovery of Ecological Metadata

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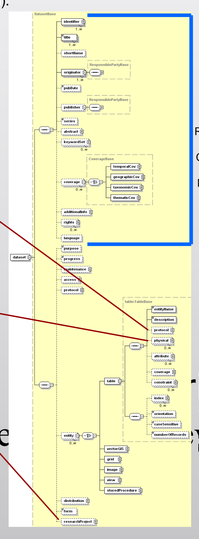
EML: Ecological Metadata Language

s a working draft of the metadata standards developed by the ASU BDI research project in conjunction with the LTER
Network for Biocomplexity (KNB) Project at the National Center for Environmental Analysis and Synthesis (NCEAS). It
plications that will enhance the management of and access to ecological data. The approach taken here is to represent
re in which generic descriptors are positioned close to the root of the tree, and more specific ones at the ends of the
or design and implementation is XML (eXtensible Markup Language) - a revolutionary hierarchical data structuring
based on existing standards from Dublin Core
from Standards Organization ISO, National Biological Information Infrastructure NBII).
source. The design concept then identifies
as shown here), collection, model, software,
s own descriptive schema that extends the
y describing everything as a "resource," our
lasses of resource at once.

Dataset Module



Resource Fields Common To All Modules

Literature Module

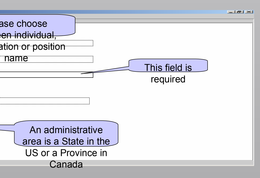
Protocol
contains information about methods, software, equipment, and QA QC procedures employed

Physical
description of physical location of the entity and how to obtain access

Research Project
information about the site, experimental design and research staff

Me ia: Specific To The Different Modules

g built after the model of tax entry programs.
nter data into appropriate fields, pulls
adata compiled by certain other programs (e.g.
he input, reverse engineering, and conversion
EML file or loaded into a database.



Xanthoria Web Application

The Generated EML

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