

[Preserving the Scientific Record: Case Study 2 - Arctic Temperature Variability Data](#) [1]

Submitted by superadmin on Wed, 2012-10-31 19:58 **Overview:**

This training module is part of the Federation of Earth Science Information Partners (or ESIP Federation's) Data Management for Scientists Short Course. The subject of this module is "Case Study 2 - Arctic Temperature Variability Data." The module was authored by Matthew Mayernik from the National Center for Atmospheric Research. Besides the ESIP Federation, sponsors of this Data Management for Scientists Short Course are the Data Conservancy and the United States National Oceanic and Atmospheric Administration (NOAA).

In this module we are going to discuss how preserving a record of environmental change involves preserving natural artifacts as well as the measurements gathered from them, looking in particular at a case study of Arctic climate variability data. In this case study, the data are proxy measurements not actual temperature readings. The proxy measurements were used to produce a study of past climate variability. These data were archived with the National Climatic Data Center (NCDC) and have been used as a basis for other studies. We will also discuss how data re-use requires long term archiving, and thorough documentation.

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Module Leads:

Name: [Matthew Mayernik](#) [5]
Organization(s): [National Center for Atmospheric Research](#) [6]

Attachments:  [PreservingScientificRecordCaseStudy2Mayernik_final.pptx](#) [7]

Media/Video: [Preserving Scientific Record: Case Study 2 on Vimeo](#) [8]

Collaboration Area: [Data Preservation](#) [9]

[Data Management Training](#) [10]

DOI /EZid : doi:10.7269/P3TB14TR

Target Audience: Research Scientist

Educational Purpose: Online course

Time Required : P8m25s

Learning Mode: Expositive

Learning Resource Type: Online exercise

Language of Learning Resource: en-us

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Nancy J. Hoebelheinrich

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