

Here is some information for Matlab users to access metadata and data from a variety of web services.

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OPeNDAP

The NJ Toolbox (njTBX). Based on NetCDF-Java, it works on any platform that Matlab runs on without the need for compiling or special versions, and supports the ability to read GRIB, GRIB2, NetCDF4, NcML and other gridded formats in addition to OPeNDAP and NetCDF. Has high level routines that can take advantage of CF Compliant data through the Unidata Common Data Model Scientific Feature Types. Has a Matlab-style indexing interface. Here is a quick introduction to njTBX.

The NCTOOLBOX. Also based on NetCDF-Java, it works on any platform that Matlab runs on without the need for compiling or special versions, and supports the ability to read GRIB, GRIB2, NetCDF4, NcML and other gridded formats in addition to OPeNDAP and NetCDF. Has some support for high level routines that can take advantage of CF Compliant data through the Unidata Common Data Model Scientific Feature Types. Cleaner, simpler codebase compared to njTBX. Does not (yet) have a Matlab-style indexing interface.

The Matlab Structs tools from OpenDAP.org. Gives Matlab users the ability to access any OpenDAP data, even sequences. However, it needs to be compiled for each specific combination of Matlab version and operating system, so may be effectively unavailable for your platform unless you are good at building MEX files. Also does not take advantage of COARDS or CF conventions, so does not allow higher level functions.

WMS

WCS

SOS