GCMD/IDN Version: 9.9.1 Software Release (2013-08-08)

GCMD: http://gcmd.nasa.gov
IDN: http://idn.ceos.org

The GCMD/IDN team is pleased to announce the release of GCMD/IDN System, Version 9.9.1. This release incorporates improvements to the back-end of the GCMD system, in addition to several new front-end features. These include the implementation of caching to improve the performance of the Keyword Management Service (KMS) and the Metadata Web Service (MWS) RESTful APIs. Acting as the drivers of the GCMD search interfaces, the APIs are critical in delivering sophisticated query refinements with rapid responses. The new front-end features include: (1) Hyperlinked Data Set Digital Object Identifiers (DOIs), (2) ISO-19115 Formatted Data Set Metadata View, (3) "ISO-19115 to DIF" Metadata Translator, (4) Bulk Metadata Uploader, (5) Open Search Tags.

Major Features of 9.9.1:

Performance Improvements to RESTful APIs

The performance of the KMS and MWS APIs has been improved using caching techniques. Users of the APIs and the GCMD search interfaces will notice improvements in the speed of keyword concept and metadata record returns. Dynamic access (See 1a) to the MWS and KMS APIs is available using an EOSDIS User Account (See 1b) (http://gcmd.nasa.gov/r/u/urs). Access to keywords without authentication is available from the static keyword service (See 2a).

1. Dynamic API Documentation and Access
    a. http://gcmd.nasa.gov/Connect/
    b. http://gcmd.nasa.gov/r/u/urs
2. Static Keyword Service
    a. http://gcmdservices.gsfc.nasa.gov/static/kms/

Hyperlinked "Data Set Digital Object Identifiers", (DOIs)

Digital Object Identifiers (DOIs) populated in the DIF "Data Set Citation" are now hyperlinked and will be resolved using http://dx.doi.org/. The instances in which a DOI is hyperlinked and resolved are DOIs that begin with:

- doi: (Example: doi:10.1016/j.asr.2005.05.125)
- http://dx.doi.org (Example: http://dx.doi.org/10.4225/15/514A98FB215B1)
- 10:XXXX (Example: 10.5067/MODIS/MODAODHD.051)
- DOI: (Example: DOI: 10.1007/s00190-006-0082-4)

DOIs that appear in the DIF "Data Set Citation" , without a valid DOI string, will not be hyperlinked. The DIF Writer's guide (http://gcmd.nasa.gov/add/difguide/data_set_citation.html) has been updated to provide additional usage information and sample DOIs.

ISO-19115 Formatted Data Set Metadata View

The GCMD/IDN DIF display now offers users the option to view data set descriptions in ISO 19115 XML format. To view the DIF in ISO-19115 format, select "Reformat as ISO 19115 document" at the bottom of the DIF display. To return to the default DIF display, use the "Back" button, which can be found at the top of the display window.

View "Reformat as ISO 19115 document" at the bottom of this record: http://gcmd.nasa.gov/r/d/LC02_FOREST_FLAMMABILITY_ACRE

ISO-19115 to DIF Metadata Translator

GCMD/IDN providers may now submit metadata to the system in ISO-19115 metadata format. This new tool translates sets of multiple metadata records from ISO format to DIF format. Providers who wish to share ISO metadata with the GCMD should email a .zip file of the ISO XML documents to *gsfc-gcmduso@mail.nasa.gov*. While this tool is currently run internally, an online web service will be available in the future.

Bulk Metadata Uploader

GCMD/IDN providers may now upload sets of multiple metadata records to the GCMD metadata queue via a Bulk Metadata Uploader tool. The tool has the capability to validate records and send an email to the provider detailing problem areas. This tool will be released internally for one month while it undergoes NASA security vetting. NASA EOSDIS providers, who wish to test the new tool, now should send an e-mail to *gsfc-gcmduso@mail.nasa.gov*.

* There is a known issue with using the tool in Safari browsers. Disable auto complete or switch to another browser as a temporary workaround. A fix for this will be implemented in an upcoming patch release.

"Open Search" Tags

"Open Search" tags were added to the GCMD, IDN Data, and IDN Services portal allowing users to add a custom search site from their browser. In Firefox, a user can add "Global Change Master Directory" or "CEOS" using the "Manage Search Engine" feature. OpenSearch assists search engines and search clients in communicating by introducing a common set of formats to perform search requests and syndicate search results. For more information about OpenSearch, see http://www.opensearch.org.

"Bug" Fixes/Enhancements

- Repaired a bug in the docBUILDER Science Keyword pick list, where the user could not see the full keyword hierarchy.
- Modified metadata view to keep the "Extended Metadata" field's properties field closed by default.
- Modified metadata display results text when a query returns "no records are found" in the keyword search.
- Repaired a bug where the "Temporal Coverage" subfield in docBUILDER no longer accepted hyphens when metadata authors add a date.
- Repaired a bug in the "Advanced Free-Text" search interface, where choosing the enter key did not initiate the search.

Please contact *gsfc-gcmduso@mail.nasa.gov* with questions or feedback.