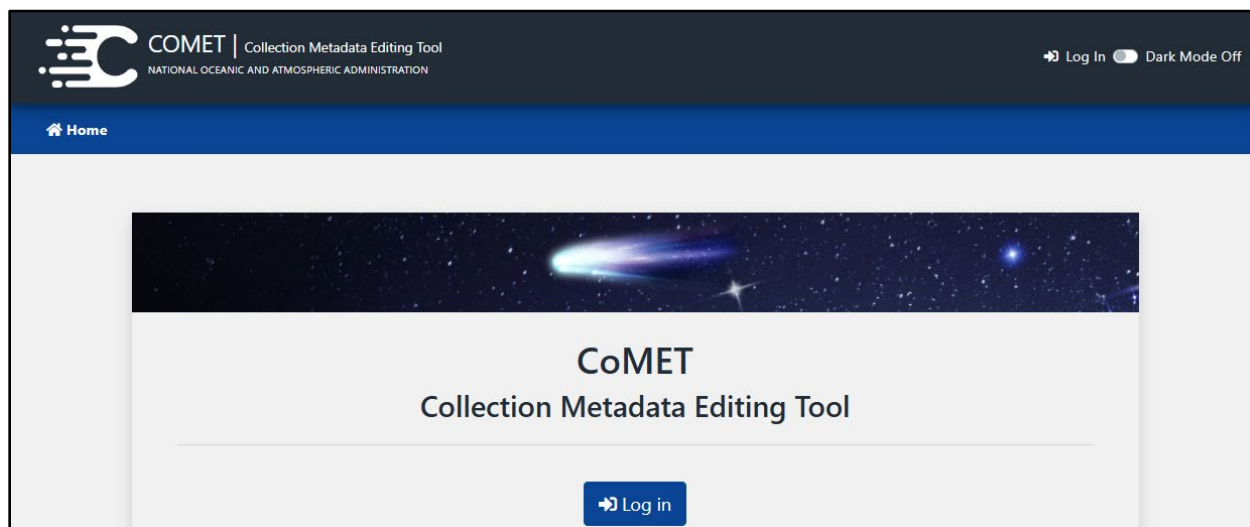




CoMET/DSMQ User Guide

Editor, Publisher, and Group Manager User Roles

Production Version 1.14.8

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Contact Information

Send questions, feedback, issues, and bugs regarding this guide to the Collection Manager Support email at ncei.collection-manager.support@noaa.gov. If an issue or bug, include steps required to replicate it. Additionally, provide your name and contact information if you wish to be contacted for issue clarification and/or to receive updates on the status of the issue.

Acknowledgements

Special thanks to Charlie Burris and Jerri Lynn Reeves for their technical input

Overview

CoMET was created by the National Centers for Environmental Information (NCEI) to be NOAA's comprehensive and easy to use collection metadata creation and editing tool. It is a common registry for managing collection-level metadata and serves as a means for publishing metadata to the NOAA data search platforms. CoMET includes a Data Stewardship Maturity Questionnaire (DSMQ) and Data Management Plan (DMP) functionality.

This guide was developed to assist users with learning how to use CoMET quickly and efficiently. It allows users to create ISO compliant metadata and can support NCEI collection metadata templates. Upon completing the guide, the user should be familiar with the base functionality of CoMET and be able to create and edit existing metadata, as well as to perform a DSMM assessment with the use of the DSMQ form.

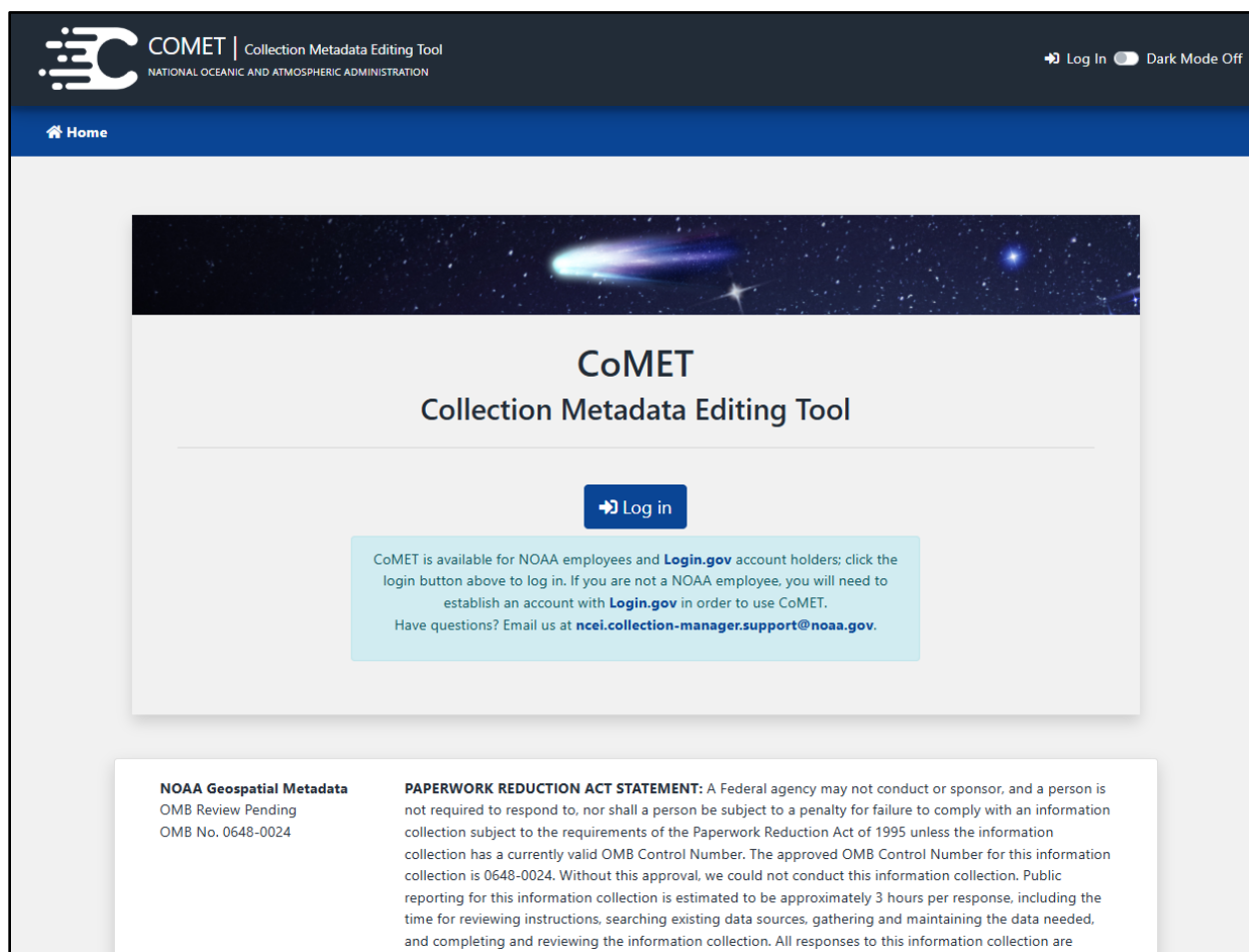
Log In

- Access CoMET at <https://data.noaa.gov/cedit/>
- Select 'Login'

New NOAA Users and new External Users

- Follow prompts to create accounts

Note: Accounts are automatically created when New Users click on Login link or button

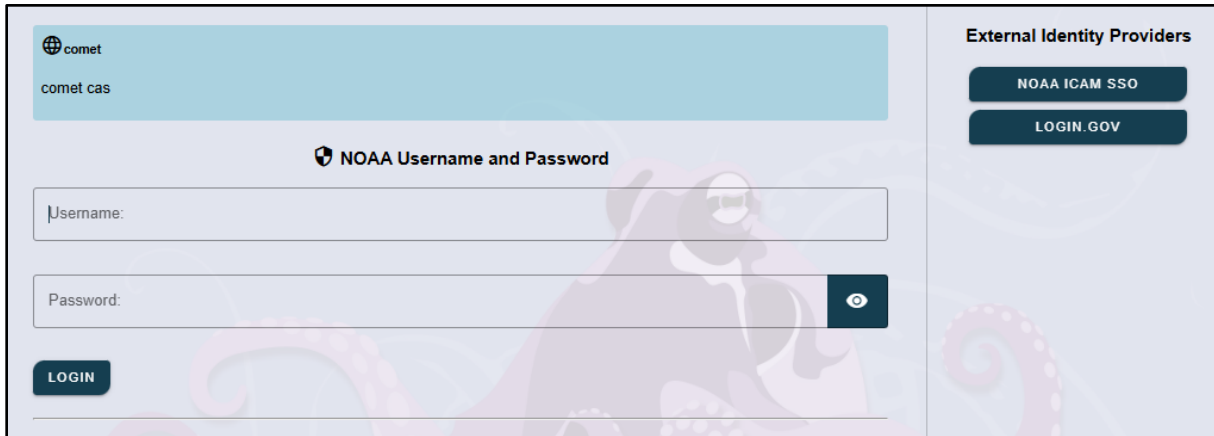


NOAA Users

- 'NOAA ICAM SSO' is standard login method for noaa.gov users
 - Enter CAC PIN Number
- 'LDAP' is backup login method for noaa.gov users who cannot use their CAC
 - Enter Username (email address without @noaa.gov) and email password

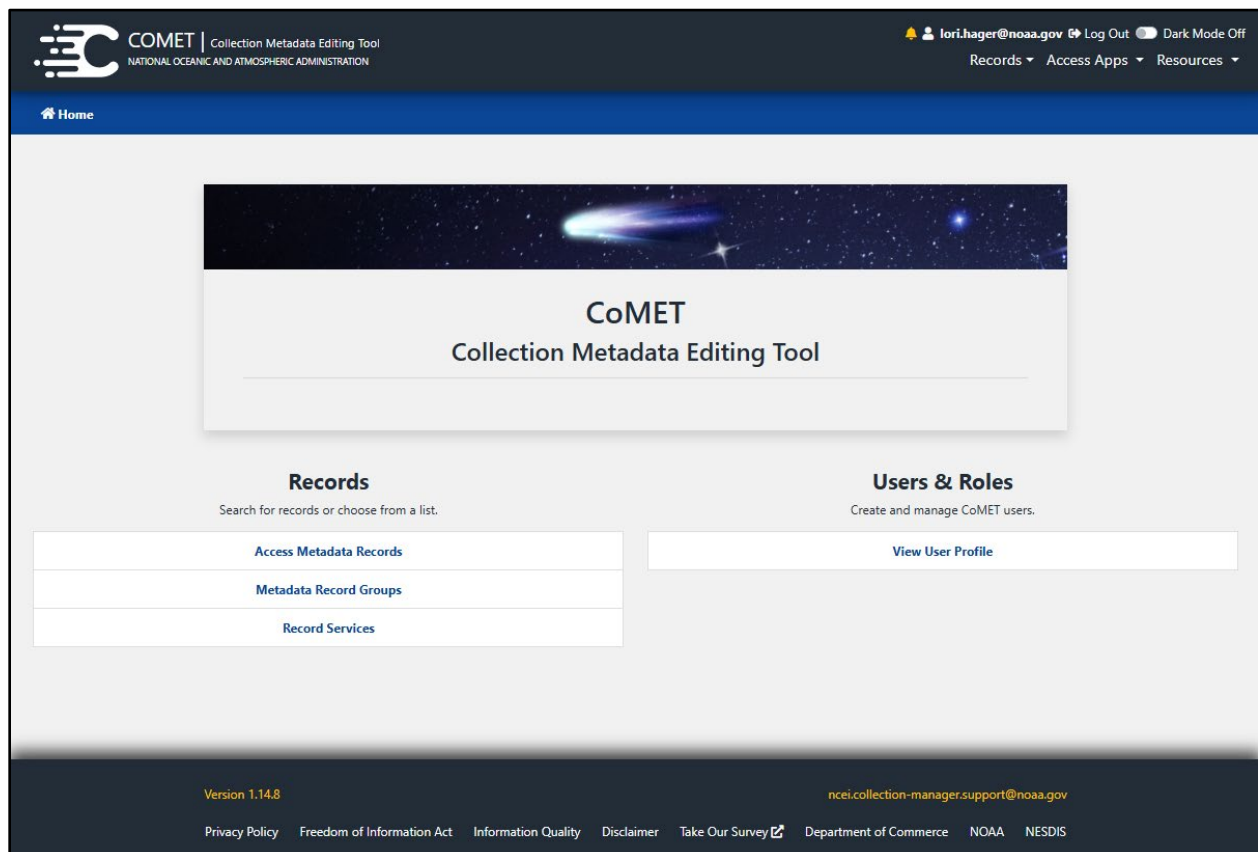
External Users

- Click 'LOGIN.GOV'
 - Follow prompts



The screenshot shows the CoMET login interface. On the left, there's a light blue box with the CoMET logo and 'comet cas'. Below it, a section titled 'NOAA Username and Password' contains fields for 'Username:' and 'Password:', followed by a 'LOGIN' button. On the right, under 'External Identity Providers', there are buttons for 'NOAA ICAM SSO' and 'LOGIN.GOV'. The background features a faint illustration of a person wearing a VR headset.

CoMET Landing Page/Home Page



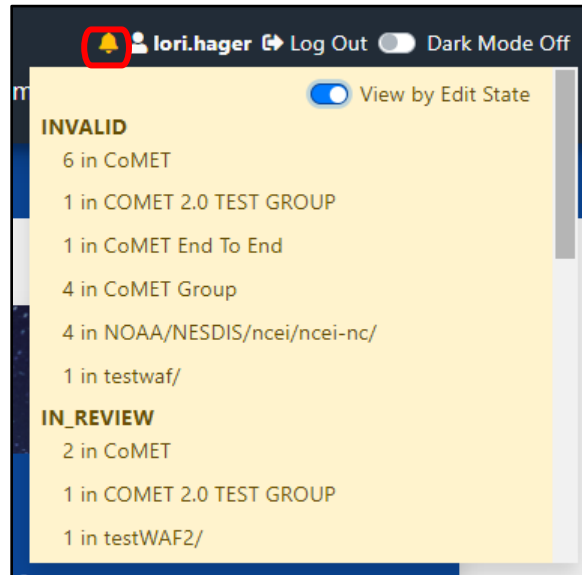
The screenshot displays the CoMET landing page. The header includes the CoMET logo, 'Collection Metadata Editing Tool', and 'NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'. User information shows 'lori.hager@noaa.gov' with 'Log Out' and 'Dark Mode Off' options. Navigation links for 'Records', 'Access Apps', and 'Resources' are present. The main content area has a 'Home' link and a central banner for 'CoMET Collection Metadata Editing Tool'. Below the banner, there are two main sections: 'Records' (with links for 'Access Metadata Records', 'Metadata Record Groups', and 'Record Services') and 'Users & Roles' (with a 'View User Profile' link). The footer contains the version '1.14.8', contact email 'ncei.collection-manager.support@noaa.gov', and various policy links.

Notifications

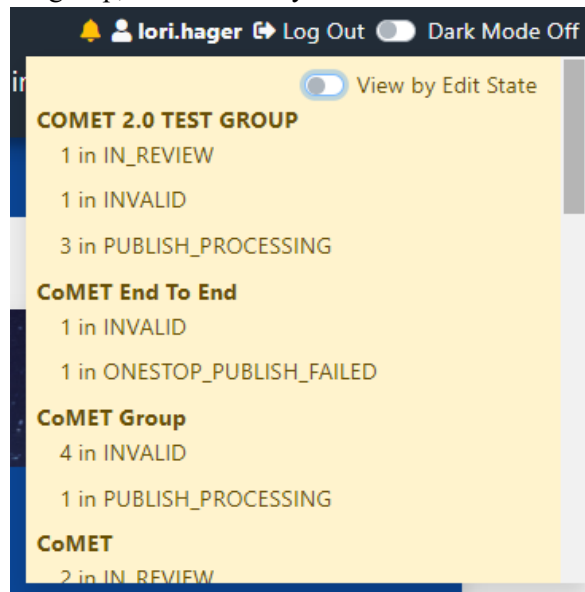
Note: Notifications icon can be accessed from any page (at top right corner)

User will see list of notifications for all record groups to which they have access

- To view notifications of records' statuses, in top right corner click 'yellow bell'
 - By default, records are listed by Edit State



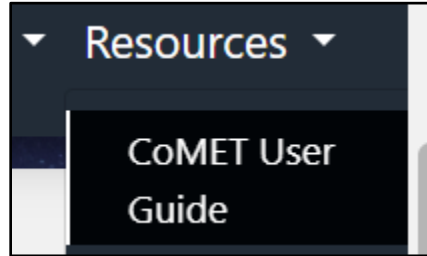
- To view by record group, click 'View by Edit State' off



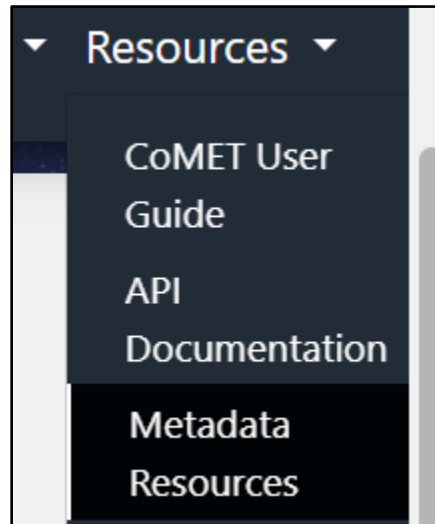
- Click 'yellow bell' to close

Link to CoMET/DSMQ User Guide

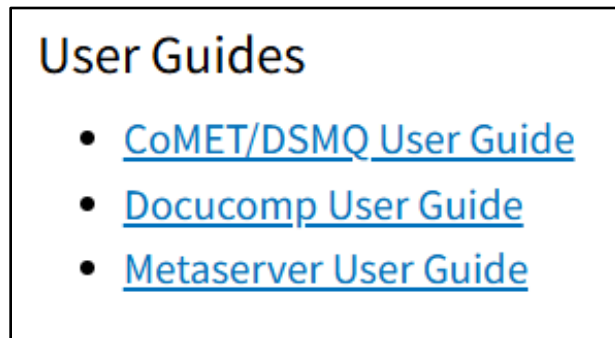
- There are two links to the user guide
- At top right corner, click 'Resources' drop-down
 - Select CoMET User Guide



- CoMET/DSMQ User Guide opens as a PDF
- OR from Resources drop-down
 - Select 'Metadata Resources'



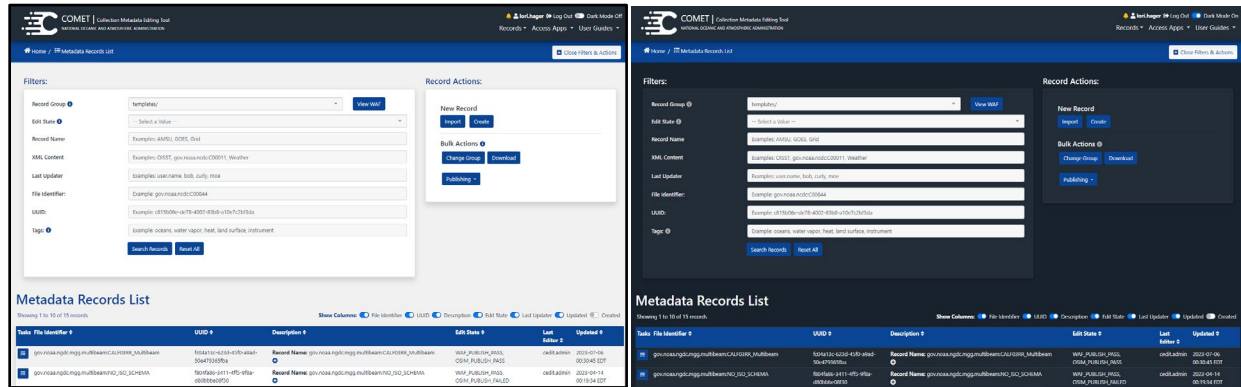
- Metadata Resource site opens in new tab
 - Below User Guides, click 'CoMET/DSMQ User Guide'



Viewing Options

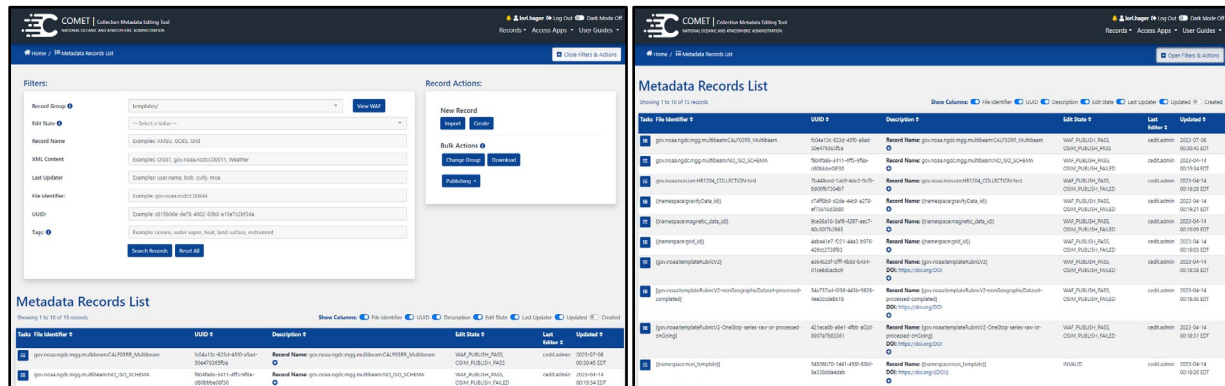
Dark Mode

- From any page, toggle button for ‘Dark Mode’ at top right corner of screen
 - ‘Dark Mode On’ or ‘Dark Mode Off’



Streamline Page

- From Metadata Records List page, click ‘Close Filters & Actions’
 - Toggle between ‘Close Filters & Actions’ and ‘Open Filters & Actions’



Metadata Record Groups

- To view list of all Record Groups to which user belongs and their role(s)
 - From Home page, select 'Metadata Record Groups'

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

lori.hager@noaa.gov Log Out Dark Mode Off

Records Access Apps Resources

Home

CoMET
Collection Metadata Editing Tool

Records
Search for records or choose from a list.

Access Metadata Records

Metadata Record Groups

Record Services

Users & Roles
Create and manage CoMET users.

View User Profile

Version 1.14.8

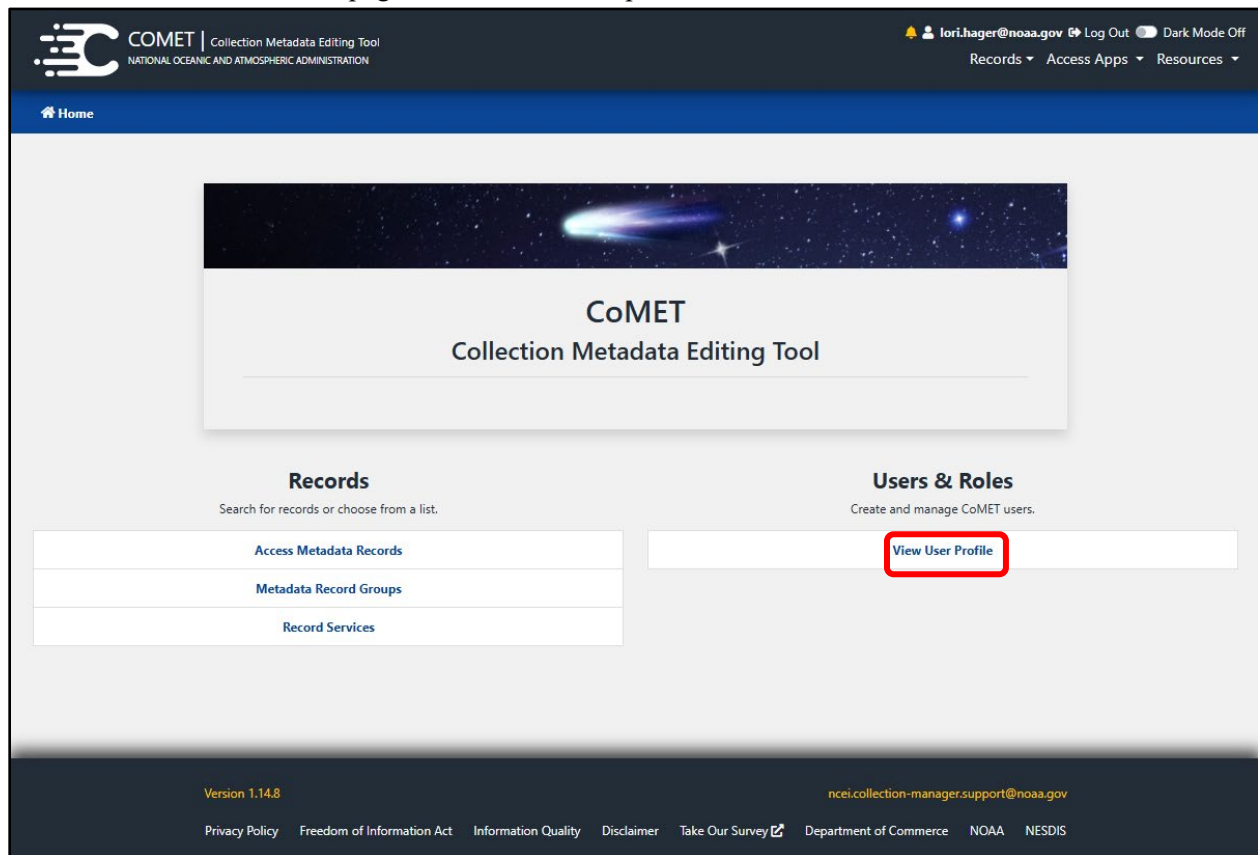
ncei.collection-manager.support@noaa.gov

Privacy Policy Freedom of Information Act Information Quality Disclaimer Take Our Survey Department of Commerce NOAA NESDIS

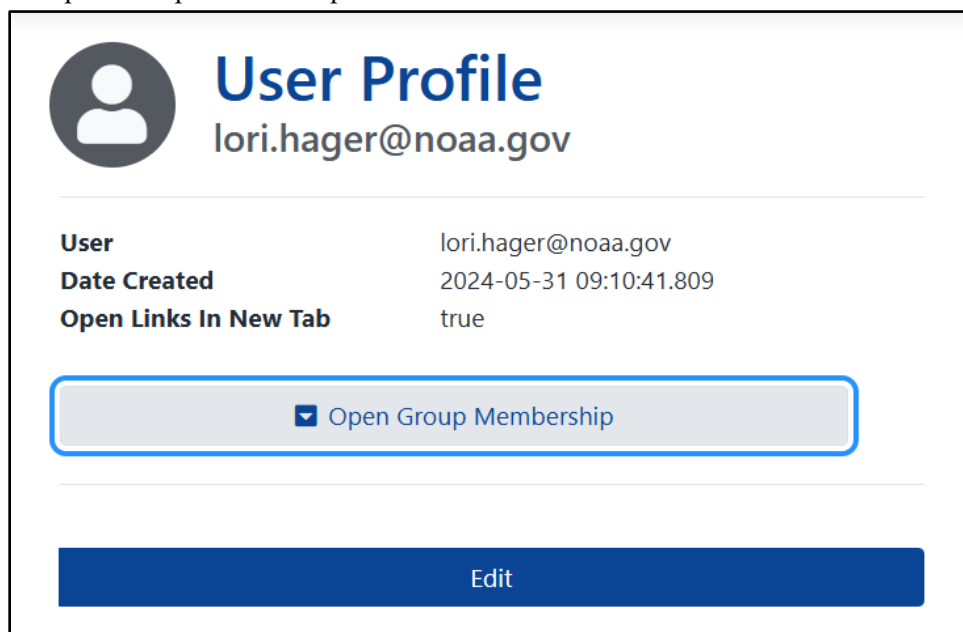
- Includes all users in group, along with their respective roles

Record Group List				
Showing 1 to 3 of 3 records				
Name	Members	Date Created	Last Updated	Last Updater
COMET 2.0 TEST GROUP	cedit.edit@noaa.gov Metadata Editor russell.scarpino@noaa.gov Metadata Editor kathy.martinolich@noaa.gov Group Manager youssef.tadros@noaa.gov Group Manager Sarah.Oconnor@noaa.gov Group Manager philip.jones@noaa.gov Metadata Editor lori.hager@noaa.gov Metadata Editor lauren.jackson@noaa.gov Metadata Editor william.franklin@noaa.gov Metadata Editor heather.brown@noaa.gov Metadata Editor amanda.dean@noaa.gov Metadata Editor cedit.group@noaa.gov Group Manager paul.tisch@noaa.gov Metadata Editor donald.collins@noaa.gov Metadata Editor paul.lemieux@noaa.gov Group Manager	2020-06-03	2026-01-06	charles.burris@noaa.gov
ea_demo/	youssef.tadros@noaa.gov Metadata Publisher jerri.reeves@noaa.gov Group Manager lori.hager@noaa.gov Metadata Publisher cedit.edit@noaa.gov Group Manager charles.burris@noaa.gov Group Manager	2021-02-19	2026-01-23	charles.burris@noaa.gov
test/	john.relp@noaa.gov Metadata Publisher kathy.martinolich@noaa.gov Group Manager myranda.uselton@noaa.gov Metadata Publisher amanda.dean@noaa.gov Metadata Publisher jason.v.weick@noaa.gov Metadata Publisher	2022-03-10	2023-04-18	lori.hager

- To view only user's group(s) and role(s)
 - From Home page, select 'User Groups'



- Click 'Open Group Membership'



- User's group(s), and their role(s) only, are displayed



User Profile

lori.hager@noaa.gov

User

lori.hager@noaa.gov

Date Created

2024-05-31 09:10:41.809

Open Links In New Tab

true

 Close Group Membership

Group	Role
COMET 2.0 TEST GROUP	Metadata Editor
ea_demo/	Metadata Publisher
test/	Group Manager

Edit

- If user wants links to open in a new tab, click Edit
 - External links always open in a new tab, e.g., OSIM Landing Page
 - Check or uncheck 'Open Links in New Tab'
 - If a change was made, click 'Update'

Edit lori.hager@noaa.gov's Profile

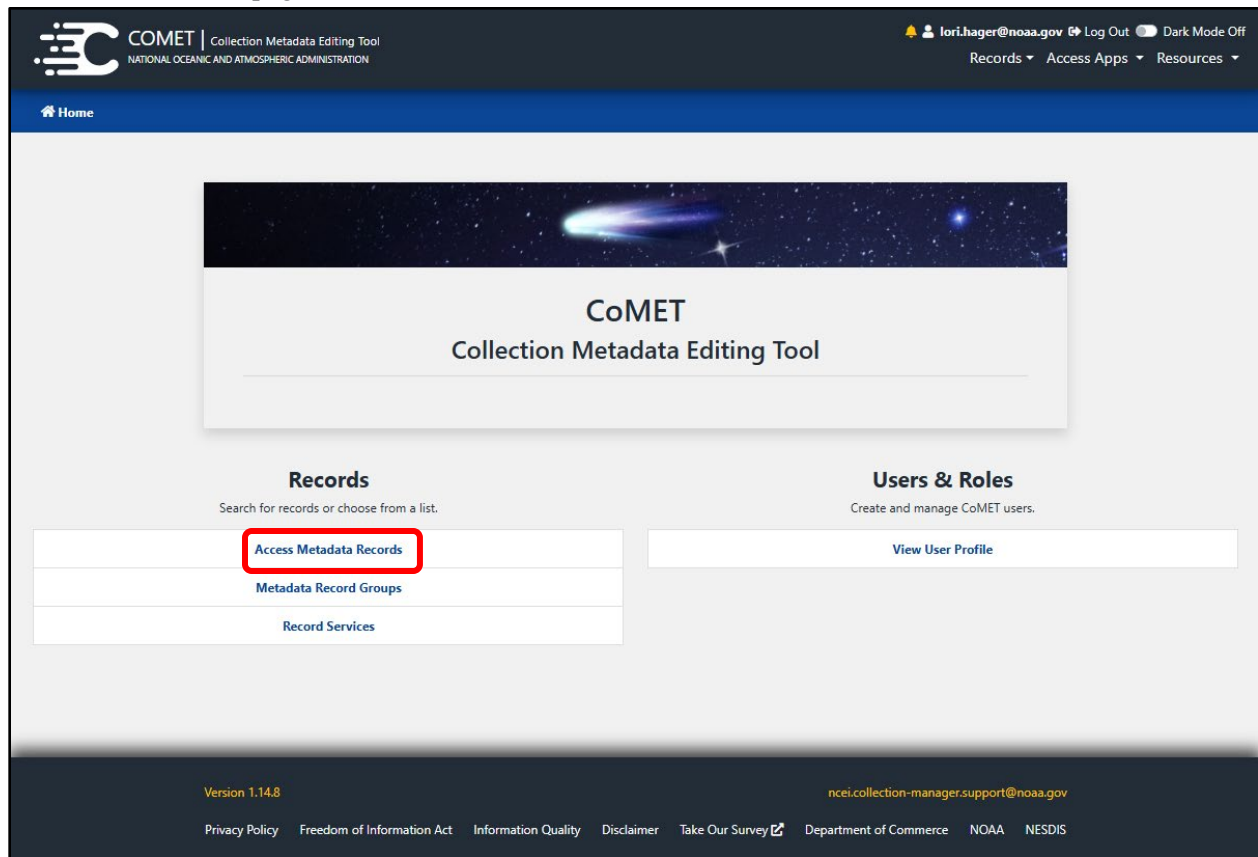
Open Links in New Tab

☒

Update

Access Metadata Records

- From Home page, click ‘Access Metadata Records’



Search Across Record Groups

- If user knows in which Record Group record is located, they may select Record Group from drop-down
- If Record Group is unknown, user may search for Record Group by File Identifier, UUID, or Tags
 - Enter in appropriate field in Filters section
 - Click Search Records

⚠ Select a record group to manage a record OR search for a record across record groups by File Identifier, UUID, or Tags.

Filters:

Record Group ⓘ -- Select a Value --

File Identifier: Example: gov.noaa.ncdc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags ⓘ Example: oceans, water vapor, heat, land surface, GOES, Cru

DOI: Example: https://doi.org/10.7289/V5HM56GM

Search Records Reset All

- If user has access to record group, Record is displayed in output below

Filters:

Record Group ⓘ -- Select a Value --

File Identifier: gov.noaa

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags ⓘ Example: oceans, water vapor, heat, land surface, GOES, Cruise or Hydrographic

Search Records Reset All

Metadata Records List

Showing 1 to 2 of 2 records

Show Columns: File Identifier UUID Description Edit State Last Editor Updated Created Group

File Identifier	UUID	Description	Edit State	Last Editor	Updated	Created	Group
gov.noaa.ncdc:C00844	c6e9f66a-ac9e-430f-ba74-7ba0b853ae90	Record Name: Optimum Interpolation Sea Surface Temperature - 365001 - gov.noaa.ncdc:C00844 DOI: https://doi.org/10.7289/V5SQ8X85 Tags:	DRAFT	cedit.admin@noaa.gov	2026-03-06 10:25:12 EST	2026-03-06 10:25:12 EST	CoMET
gov.noaa.ncdc:C01557	578f6745-9a2b-4efe-8a58-25427f3c7f6d	Record Name: AVHRR Surface Reflectance - gov.noaa.ncdc:C01557 Tags:	DRAFT	cedit.admin@noaa.gov	2026-03-06 10:25:12 EST	2026-03-06 10:25:12 EST	CoMET

- If user does not have access to record group, user will receive 'Access Denied' message

Access Denied

Sorry, you're not authorized to view this page.

- Find Record Group in output table
 - Look below ‘Group’ heading
 - ‘Group’ must be selected in the Show Columns section
- Select group from ‘Record Group’ drop-down above
 - Hover over blue and white ‘i’ for information about ‘What is/are’ a Record Group, Edit State, or Tags

Note: A Record Group must be selected prior to performing any actions

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

User: lori.hager@noaa.gov | Log Out | Dark Mode Off

Records ▾ Access Apps ▾ User Guides ▾

Filters:

Record Group: [View WAF](#)

Edit State:

Record Name:

XML Content:

Last Updater:

File Identifier:

UUID:

Tags:

[Search Records](#) [Reset All](#)

Record Actions:

New Record
[Import](#) [Create](#)

Bulk Actions
[Download](#)
[Publishing ▾](#)

Metadata Records List

Showing 1 of 1 records

Show Columns: ☒ File Identifier ☒ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☒ Created ☒ Group

Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated	Created	Group
	gov.noaa.ncei:444987790140989	6991bdad-8be8-4c0d-864f-843513d8d373	Record Names gov.noaa.ncdc.ncddc:OBMSMAP_TEST1 with edit_lh	IN_REVIEW	lori.hager@noaa.gov	2026-02-27 17:25:15 UTC	2026-02-27 17:24:04 UTC	ea_demo/

Tags:

- Page is auto-populated with records that match Filters, as well as any actions permitted per user profile
- If record group has associated WAF, 'View WAF' button displays to right of Record Group name
 - Click 'View WAF' to see all associated WAFs

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Records Administration Access Apps User Guides

Home / Metadata Records List

Filters:

Record Group: trainingCoMET/ **View WAF**

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ndbc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ndbc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record
Import Create

Bulk Actions
Change Group Download Publishing

Metadata Records List

Showing 1 to 2 of 2 records

Hide Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ndbc:C01436_test	Record Name: gov.noaa.ndbc:C01436_test DOI: https://doi.org/10.7289/V5M043MH Tags:	PUBLISH_PROCESSING	lori.hager	2023-01-09 16:14:36 EST
	gov.noaa.ncel:82093997631775	Record Name: My special test DOI: https://doi.org/([DOI]) Tags:	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT

New Users

(Existing users skip this section)

- Record Group with user's name and 'Personal Repository' created
 - User may create records in their repository
 - User is Group Manager for their repository
 - Group Manager may assign user to other groups they manage
 - Group Manager can move records from a user's repository to other groups they manage

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Records Access Apps User Guides

Home / Metadata Records List

Filters:

Record Group: lori.hager@noaa.gov | Personal Repository

Edit State: -- Select a Value --

Record Actions:

New Record
Import Create

Filters (optional)

- Filters panel allows limiting number of records by various criteria
 - Filter records by:
 - Edit State
 - Hover over blue and white 'i' for information about Edit States
 - Record Name
 - XML Content
 - Last Updater
 - File Identifier
 - UUID
 - Automatically generated or use own from XML
 - Tags
 - Hover over blue and white 'i' for information about Tags
 - Click 'Search Records' to apply filter(s)
 - Click 'Reset All' to clear filter(s)

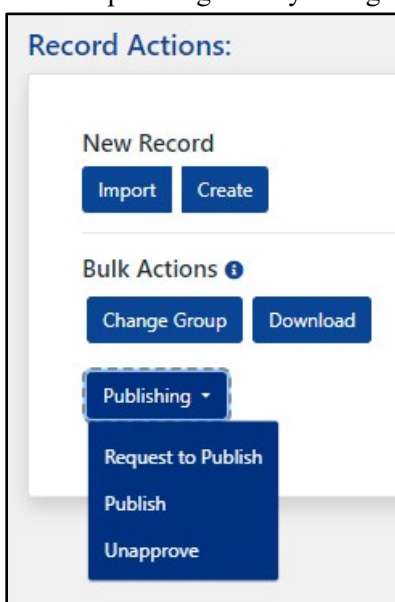
Filters:

Record Group ⓘ	trainingCoMET/	View WAF
Edit State ⓘ	-- Select a Value --	
Record Name	Examples: AMSU, GOES, Grid	
XML Content	Examples: OISST, gov.noaa.ncdc:C00011, Weather	
Last Updater	Examples: user.name, bob, curly, moe	
File Identifier:	Example: gov.noaa.ncdc:C00844	
UUID:	Example: c815b06e-de78-4002-83b8-a10e7c2bf3da	
Tags: ⓘ	Example: oceans, water vapor, heat, land surface, instrument	

[Search Records](#) [Reset All](#)

Record Actions

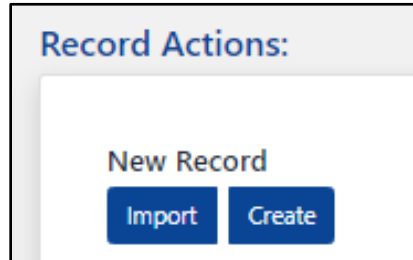
- Record Actions panel includes commonly-used actions
 - New Record
 - [Import](#)
 - Import one or multiple valid 19115-2 ISO XML files
 - [Create](#)
 - Create new records based on values in NCEI template
 - Bulk Actions
 - [Change Group](#) (action available only to Group Managers)
 - Allows records to be moved from one group to another
 - [Download](#)
 - Allows download of XML files
- If record group has associated WAF, 'Publishing' drop-down menu displays
 - [Publishing](#)
 - [Request to Publish](#)
 - Request a draft to be published
 - [Publish](#) (action available only to Publishers and Group Managers)
 - Publishers and Group Managers view records requested to be published
 - [Unapprove](#) (action available only to Publishers and Group Managers)
 - Publishers and Group Managers may change Edit State back to DRAFT



New Record

Import

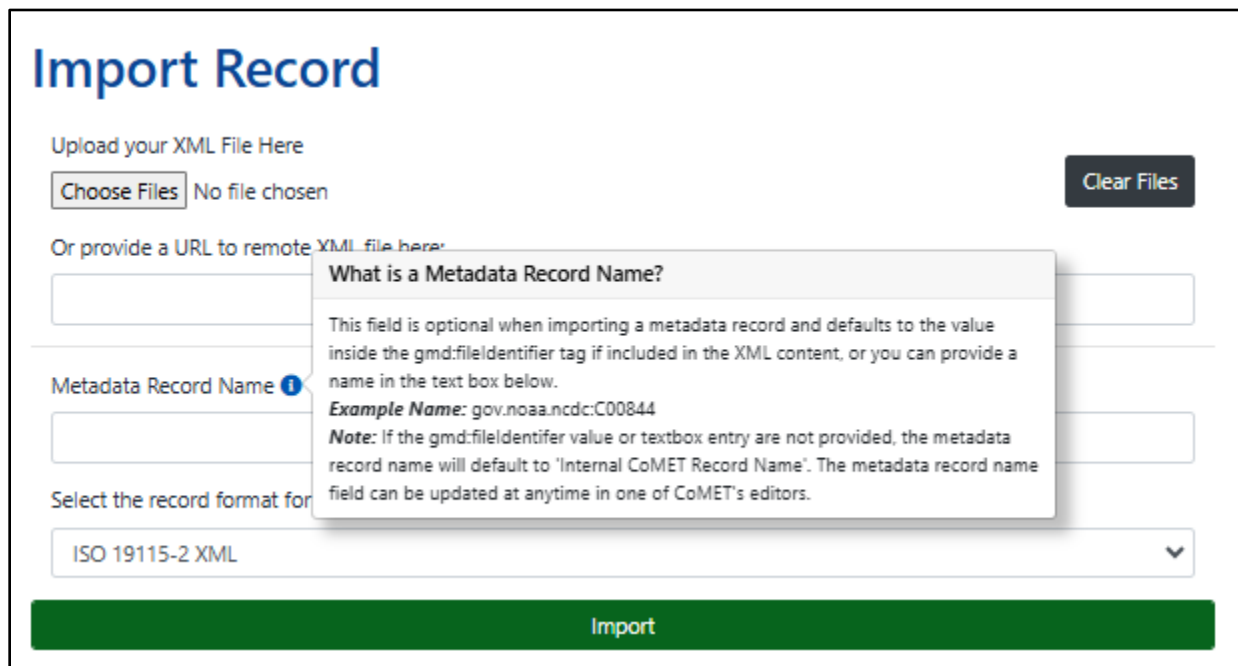
- In Record Actions panel, click 'Import'



- 'Import Record' dialogue box opens
- Either click 'Choose Files' to upload XML file(s) saved on computer OR enter URL for remote XML file
 - All XML URLs must have XML extension
 - Multiple/Bulk files may be uploaded from computer

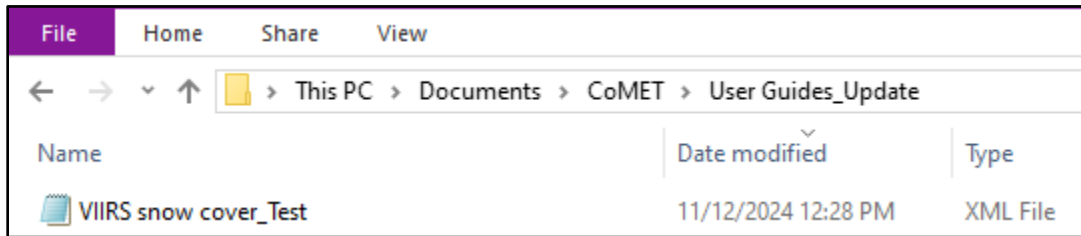
Note: Multiple/Bulk URLs are not supported and must be imported individually

- Hover over blue and white 'i' for information about 'What is a Metadata Record Name?'

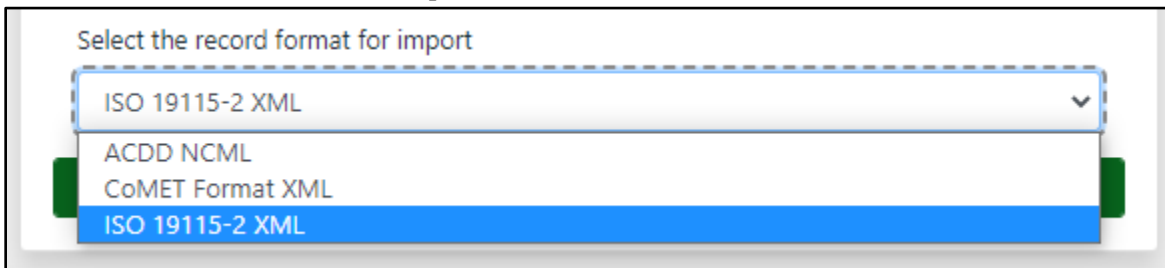
A screenshot of the "Import Record" form. The form has a title "Import Record" in blue. Below it, there is a section "Upload your XML File Here" with a "Choose Files" button and "No file chosen" text. To the right is a "Clear Files" button. Below this is a section "Or provide a URL to remote XML file here:" with a text input field. Further down is the "Metadata Record Name" field, which has a blue and white information icon (i) to its right. A tooltip is open over this icon, titled "What is a Metadata Record Name?". The tooltip text says: "This field is optional when importing a metadata record and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below. Example Name: gov.noaa.ncdc:C00844 Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors." Below the "Metadata Record Name" field is a dropdown menu labeled "Select the record format for" with "ISO 19115-2 XML" selected. At the bottom of the form is a large green "Import" button.

Upload an XML File

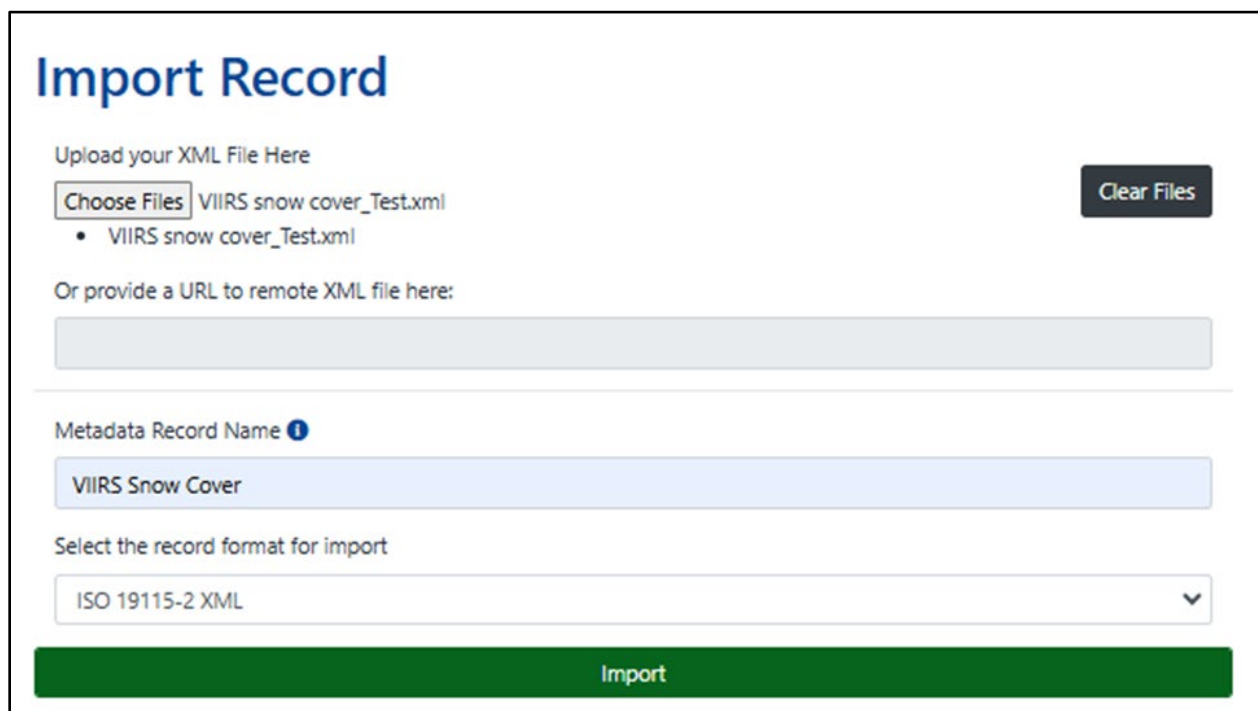
- Click ‘Choose Files’
 - Select XML file from computer



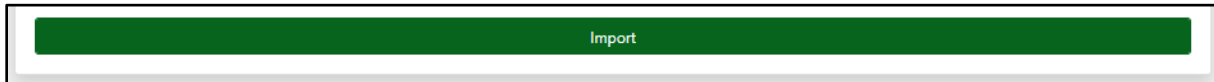
- Select Record Format from drop-down



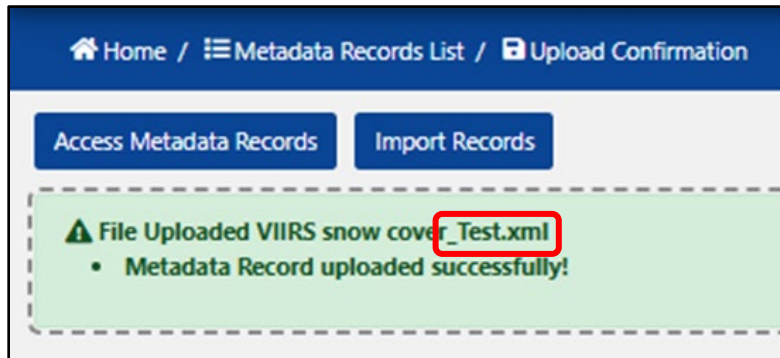
- ‘Metadata Record Name’ field is optional
 - If Record Name is not entered, fileIdentifier defined in the xml file will be used for Record Name in Metadata Records List
 - Hover over blue and white ‘i’ for information about ‘What is a Metadata Record Name?’



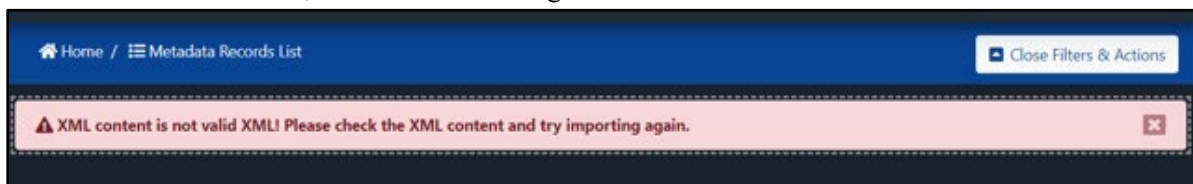
- Click 'Import'



- Get message 'File Uploaded [File Name].xml Metadata Record uploaded successfully!'
 - CoMET adds '.xml' to File Name



- If XML is not valid, receive error message



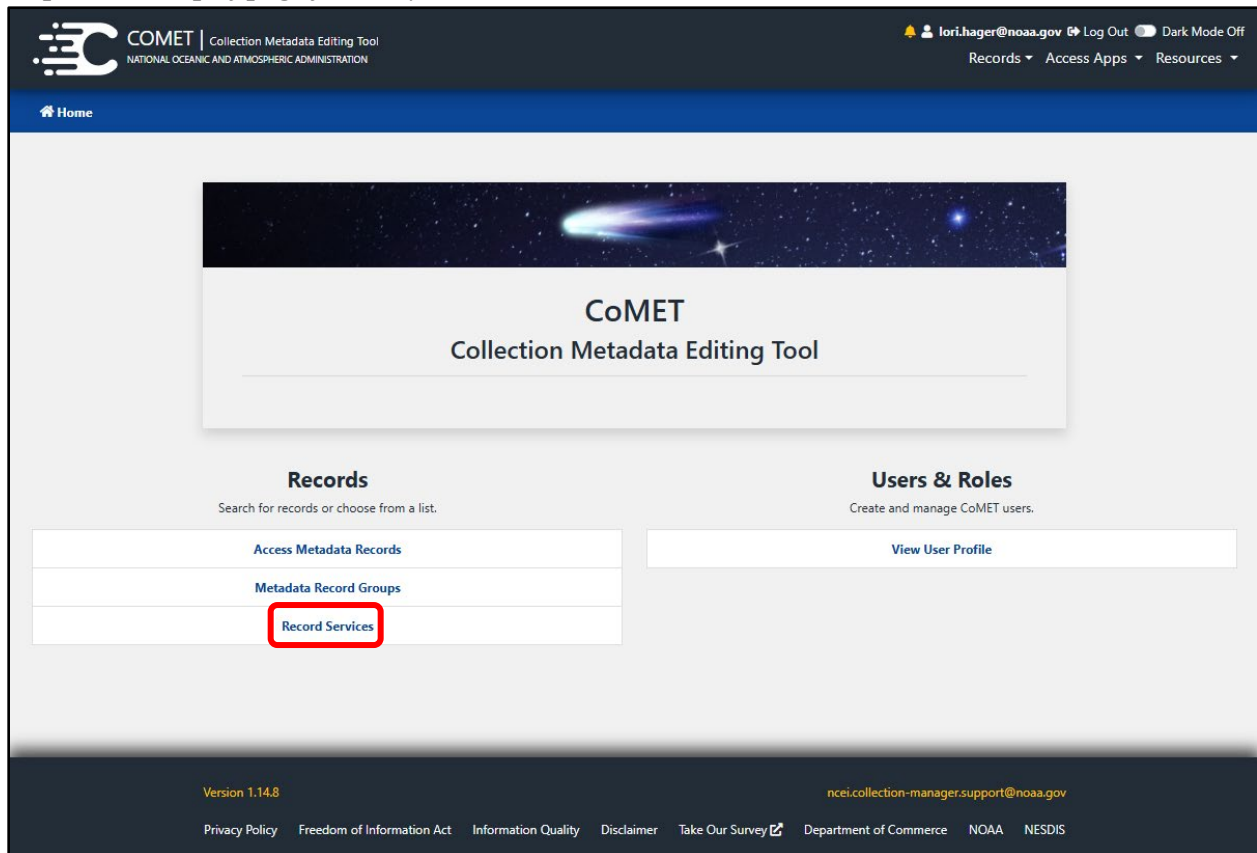
- To find errors, run '[Check XML Format](#)' in Record Services
 - Start at 'Choose Input'
- Record is now in Metadata Records List

Showing 1 to 3 of 3 records					
Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☐ Last Updater ☒ Updated ☐ Created					
Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncdc:C01436_test11122024	Record Name: VIIRS Snow Cover DOI: https://doi.org/10.7289/V5M043MH	DRAFT	lori.hager@noaa.gov	2024-11-12 17:28:44 UTC

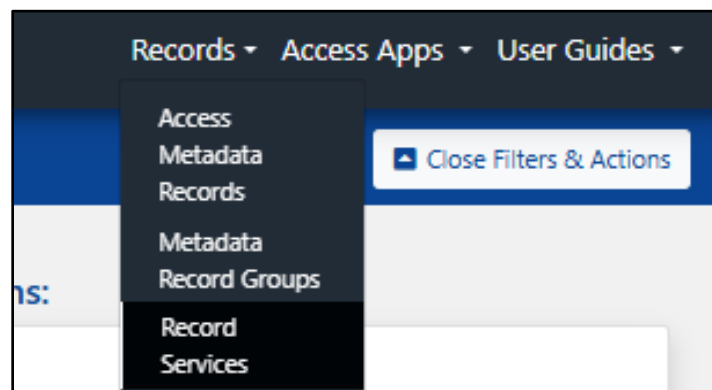
Record Services

Record Services allows users to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group

Note: Records Services may be accessed from either link below Records on Home page OR Records drop-down at top of page from any screen



- At top right corner, click 'Records' drop-down
 - Select 'Record Services'



Choose Input

- Either select 'File' and then click 'Choose File' to upload XML file saved on computer OR select 'URL' to enter URL for remote XML file

Record Services

Record Services allows you to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group.

Choose Input

☒ File No file chosen

☐ URL

- File name appears next to 'Choose File' button or in URL field

Record Services

Record Services allows you to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group.

Choose Input

☒ File EXIS Instrument Calibration Data.xml

☐ URL

Choose Service

Note: Every service requires a 19139 Schema-Valid XML file
Check XML format prior to using other services

- Click button next to 'Check XML Format'
 - Click 'Submit'

Choose Service

☒ Check XML Format	Check for well formed XML. Input: Any XML file.
☐ Resolve	Resolve URL references to components. Input: 19139 schema valid XML file
☐ ISO Validate	Validate metadata with 19139 Schema. Input: 19139 XML file
☐ Link Check (slow)	Verify online resource links within the ISO tag CI_OnlineResource are valid URLs.
☐ NCEI Landing Page	Generate the NCEI Landing page view based on a valid ISO 19115-2 XML file.
☐ ISO To Rubric V2	Generate IMPROVED completeness assessment report. Input: 19139 schema valid XML file
☐ ISO To Rubric V1	Generate completeness assessment report. Input: 19139 schema valid XML file
☐ NCML To Rubric V1	Generate completeness assessment report. Input: NetCDF XML
☐ NCML To ISO	Translate from NCML to ISO 19115-2. Input: ACDD compliant NetCDF XML
☐ FGDC To ISO	Translate from FGDC to ISO 19115-2. Input: FGDC compliant XML

Submit

- Message opens in new tab
 - If XML has no errors, get message 'Xml is well formed.' at top left corner of page

Xml is well formed.

- If XML has errors, only first error will be displayed
 - Correct error
 - Repeat Check XML Format instructions
 - Correct any additional errors

RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or ">".

Other Services

[Resolve](#)

[ISO Validate](#)

[Link Check \(slow\)](#)

[NCEI Landing Page](#)

[ISO to Rubric V2](#)

[ISO to Rubric V1](#)

[NCML to Rubric V1](#)

[NCML to ISO](#)

[FGDC To ISO](#)

Note: If errors in XML of files submitted to other services, error message appears

RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or ">".

- Correct XML content and resubmit

Resolve

Resolve URL references to components. Input: 19139 schema valid XML file. Resolving records with Docucomp Components (Xlinks) allows users to see how the record will look published. This feature will not resolve a component with errors, so this feature is a method to allow users to check that components are correct.

- XML opens in new tab

Note: Six highlighted ‘resourceConstraint’ tags are populated with XML

```
<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
    <gmd:otherConstraints>
      <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
    </gmd:otherConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page https://doi.org/DOI}}</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
  <gmd:resourceConstraints>
  <gmd:MD_LegalConstraints> xlink:title="Distribution Liability"
  <gmd:accessConstraints>
    <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_RestrictionCode"
    codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
  </gmd:accessConstraints>
  <gmd:otherConstraints>
    <gco:CharacterString>Distribution liability: NOAA and NCEI make no warranty, expressed or implied, regarding these data, nor does the fact of distribution constitute such a warranty. NOAA and NCEI cannot assume liability for any damages caused by any errors or omissions in these data. If appropriate, NCEI can only certify that the data it distributes are an authentic copy of the records that were accepted for inclusion in the NCEI archives.</gco:CharacterString>
  </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
  </gmd:resourceConstraints>
  <gmd:resourceConstraints> xlink:title="Use Liability"
  <gmd:MD_LegalConstraints> uuid="e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b"
  <gmd:useConstraints>
    <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_RestrictionCode"
    codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
  </gmd:useConstraints>
  <gmd:otherConstraints>
    <gco:CharacterString>Use liability: NOAA and NCEI cannot provide any warranty as to the accuracy, reliability, or completeness of furnished data. Users assume responsibility to determine the usability of these data. The user is responsible for the results of any application of this data for other than its intended purpose.</gco:CharacterString>
  </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
  </gmd:resourceConstraints>
  <gmd:aggregationInfo>
```

- Same XML file, but unresolved

Note: Four highlighted ‘resourceConstraint’ tags are populated with Xlinks

```
<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
    <gmd:otherConstraints>
      <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
    </gmd:otherConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page https://doi.org/DOI}}</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
  <gmd:resourceConstraints>
  <gmd:resourceConstraints> xlink:href="https://data.noaa.gov/docucomp/dadd4ac3-2b9f-4db5-8603-71285b94c3d7" xlink:title="Distribution Liability"/>
  <gmd:resourceConstraints> xlink:href="https://data.noaa.gov/docucomp/e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b" xlink:title="Use Liability"/>
  <gmd:aggregationInfo>
```

ISO Validate

Validate metadata with 19139 Schema. Input: 19139 XML file

- 19139 Schema-valid ISO

Validation Report	
Invalid Records for Collection	
Date measured: Mon Apr 15 14:52:40 EDT 2024	
Metric	Value
Invalid Record count	0
Non-ISO Records Count	
No errors found :-)	

Link Check (slow)

Verify CI_OnlineResource URLs are valid. Input: 19139 schema valid XML file. This service is noted as slow as it does not run as fast as the others.

- Checks for broken [CI_OnlineResource](#) links
 - No broken links

Number of Unique Bad OnlineResource URLs = 0 Total URL hits = 0
--

- Input: 19139 schema valid XML file

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ISO to Rubric V2

Generate V2 completeness assessment report

- Input: 19139 schema valid XML file

**NOAA** NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION

[Back to Collection](#)
[View Metadata As: HTML, 19139 XML](#)
[Assess Metadata For: Components](#)

Completeness Rubric for: NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data

Completeness Score: 81% + 18

Resource Hierarchy Level: 'dataset' — Status: 'onGoing'

Category	Score + Extra Credit	Rubric Requirements
Identification	100% + 3	Required
Access	100% + 0	Conditional - not required when Resource Hierarchy Level = 'FieldSession' or Status = 'planned'
Coverage	100% + 2	Required
Content	0% + 0	Conditional - not required when Resource Hierarchy Level = 'FieldSession'
History	75% + 5	Required
Quality	0% + 0	Conditional - not required when Resource Hierarchy Level = 'FieldSession'
Connections	100% + 10	Required
Metadata	100% + 1	Required
Associated Resource	+ 2	Highly Recommended
Attribution	+ 4	Highly Recommended

Identification Access Coverage Content History Quality Connection Metadata Resources Attribution

ABOUT COMPLETENESS RUBRIC

MORE INFORMATION

CONTACT

Identification Category 9/9 -3

The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.

Label (count)	Rule	Score	Metadata Content	Guidance: Xpath and ISO Explorer Links
Resource Hierarchy Level (1)	Required	1	dataset	//gmd:MD_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode/@codeListValue
Resource Title (1)	Required	1	NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (2)	Recommended	EC	gov.noaa.class.GLMINCAL gov.noaa.nodc:C01529	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	The Geostationary Lightning Mapper is a single-channel, near-infrared optical transient detector that detects the momentary changes in an optical scene, indicating the presence of lightning. GLM measures total lightning activity continuously over the L-etc)	//gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	These instrument calibration data can be used to evaluate, monitor, and trend sensor performance.	//gmd:MD_DataIdentification/gmd:purpose
Resource Date (1)	Required	1	2015-01-01 - publication	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date or gmd:CI_Date/gmd:date/@gco:nilReason
Status (1)	Required	1	onGoing	//gmd:MD_DataIdentification/gmd:status/gmd:MD_ProgressCode/@codeListValue
Browse Graphic (1)	Recommended	EC	https://www1.nodc.noaa.gov/pub/data/metadata/images/SEIS-INST-CAL-ENG.jpg	//gmd:MD_DataIdentification/gmd:graphicOverview/gmd:MD_BrowseGraphic/gmd:titleName
Topic Category (1)	Required	1	climatologyMeteorologyAtmosphere	//gmd:MD_DataIdentification/gmd:topicCategory/gmd:MD_TopicCategoryCode
Theme Keywords (2)	Required	1	Earth Science > Spectral/Engineering > Infrared Wavelengths > Sensor Counts Earth Science > Spectral/Engineering > Visible Wavelengths > Sensor Counts	//gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue = theme gmd:keyword
Theme Keyword Thesaurus (1)	Recommended	EC	Global Change Master Directory (GCMD) Science Keywords	//gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue = theme gmd:thesaurusName/gmd:CI_Citation/gmd:title
Resource Contact (1)	Required	1	DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - Customer Engagement Branch - pointOfContact	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_ResponsibleParty/gmd:role/gmd:CI_RoleCode/@codeListValue = pointOfContact //gmd:MD_DataIdentification/gmd:pointOfContact

NOAA > NESDIS > NCEI (formerly NGDC)

Questions: emma.metadata-support@noaa.gov

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ISO to Rubric V1

Generate a V1 completeness assessment report

- Input: 19139 schema valid XML file

Back to Collection

View Metadata As: [HTML](#) [19139 XML](#)

Assess Metadata For: [Completeness](#)

ISO 19115 SpiralTracker Report

This report identifies ISO metadata elements described in spirals of documentation development described in [Creating Good Documentation](#). Together these spirals build a strong foundation for high-quality documentation. The ISO Standard includes a number of options for building on that foundation by addressing specific scientific needs. See [Use Cases to CRUD](#) for some examples.

The elements are listed by name and are followed by M, C, or O if they are Mandatory, Conditional or Optional. They are followed by UDD (attribute name) if they are included in the [NetCDF Attribute Convention for Dataset Discovery](#).

The ISO 19115 Standard recommends [Core Elements](#) for inclusion in metadata. This tool tests also conformance with those recommendations.

The Rubric at the top of the report summarizes the results. Each spiral is represented by a row in the rubric. The columns show the % of the elements in that spiral that exist in the record. Click the spiral name for more details.

This report is produced using this [spiral sheet](#). Please contact [metadata support](#) if you have questions or suggestions.

The tables included below include [aPaths](#) that give the locations of the elements included in the rubric in the ISO XML schema.

Title: NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data

Total Spiral Score: 30/41

Spiral	None	1-33%	34-66%	67-99%	All
Total Spiral					
Identification					
Connection					
Extent					
Distribution					
Description					
Content					
Lineage					
Acquisition Information					

Total ISO Core Score: 19/23

Note: The Total ISO Core Score does not count toward the Total Spiral Score

Spiral	None	1-33%	34-66%	67-99%	All
Total Core Score					
ISO Core Mandatory					
ISO Core Conditional					
ISO Core Optional					

[Identification](#) [Extent](#) [Connection](#) [Distribution](#) [Description](#) [Content](#) [Lineage](#) [Acquisition Information](#)

Identification Score: 9/9

The Identification Spiral sets the stage for discovery using text search engines. It includes a unique identifier for the metadata, a title, an abstract, theme keywords and contact information for the metadata and the dataset.

Score	Attribute (Count)	Description	Recommended Practice	Path
9	Metadata Identifier (D_UDD/uid)	A unique phrase or string which uniquely identifies the metadata file.	Each metadata record shall include a character string as a unique identifier. There are two general approaches to ensuring uniqueness for these	gmd:fileIdentifier

NCML to Rubric V1

Generate a completeness assessment report

- Input: NetCDF XML

Back to Collection

View Metadata As: [HTML](#) [NetCDF XML](#)

Assess Metadata For: [Completeness](#)

NetCDF Attribute Convention for Dataset Discovery Report

The [NetCDF Attribute Convention for Dataset Discovery](#) provides recommendations for netCDF attributes that can be added to netCDF files to facilitate discovery of those files using standard metadata searches. This tool tests conformance with those recommendations using this [spiral sheet](#). More [Information on Conventions and Tools](#).

Title: AF EDR

Total Score: 22/46

General File Characteristics

Number of Global Attributes: 29
Number of Variables: 6
Number of Variable Attributes: 0
Number of Standard Names: 0
Number of Standard Names: 0

Spiral	None	1-33%	34-66%	67-99%	All
Total					
File Location					
File Search					
Formal Search					
Other Search Information					
Creator Search					
Contributor Search					
Publisher Search					
Data Attributes					
Identifiers (File Search) Formal Search Other Search Information Creator Search Contributor Search Publisher Search Other Attributes					

Identification / Metadata Reference Score: 4/4

As metadata are shared between external self-archival repositories it is becoming increasingly important to be able to unambiguously identify and refer to specific records. This is facilitated by including an identifier in the metadata. Some institutions must insist for metadata that those identifiers are unique. This is accomplished by specifying the naming authority or name space for the identifier. It is the responsibility of the manager of the enterprise to ensure that the identifiers in that namespace are unique. Identifying the Metadata Conventions being used in the file and providing a link to more complete metadata, possibly using a different convention, are also important.

Score	Attribute	Description	THREDDS	ISO 19115-2
4	file	The construction of the "metadata authority" and the "id" should be a globally unique identifier for the dataset.	dataset/gid	gmd:MD_Metadata/gmd:fileIdentifier/gmd:CharacterString
1	metadata authority			gmd:MD_Metadata/gmd:fileIdentifier/gmd:CharacterString
1	Metadata Conventions	This attribute should be set to "NetCDF Attribute Convention v1.0" for NetCDF files that follow this convention.		
1	Metadata Link or Identifier Link	This attribute provides a link to a complete metadata record for this dataset or the collection that contains this dataset. This attribute is not included in Section 1 of the Unidata Attribute Convention for Data Discovery . It is recommended here because a complete metadata convention for dataset link may contain more information that can be included in generic formats. This attribute contains a link to that information.		

[Identification](#) [Text Search](#) [Formal Search](#) [Other Search Information](#) [Creator Search](#) [Contributor Search](#) [Publisher Search](#) [Other Attributes](#)

Text Search Score: 4/7

Text searches are a very important mechanism for data discovery. This group includes attributes that contain descriptive text that could be the target of these searches. Some of these attributes, for example title and summary, might also be displayed in the results of text searches.

Score	Attribute	Description	THREDDS	ISO 19115-2
1	file	A short description of the dataset.	dataset/name	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
1	summary	A paragraph describing the dataset.	metadata:documented[?type="summary"]	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
0	keywords	A comma separated list of key words and phrases.	metadata:keyword	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
0	keyword vocabulary	This attribute identifies a guideline for the keyword phrases in your "keywords" attribute, put the name of that guideline here.	metadata:keyword[?vocabulary]	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
1	keyword name vocabulary	The name of the controlled vocabulary from which variable standard names are taken.	metadata:variable[?vocabulary]	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
1	history	Provides an ordered list of modifications to the original data.	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString
0	provenance	Documentation information about the data.	metadata:documentation	gmd:MD_Metadata/gmd:fileIdentifier/gmd:MD_FileIdentifier/gmd:CharacterString

[Identification](#) [Text Search](#) [Formal Search](#) [Other Search Information](#) [Creator Search](#) [Contributor Search](#) [Publisher Search](#) [Other Attributes](#)

v 1.14.8

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NCML to ISO

Translate from NCML to ISO 19115-2

- Input: ACDD compliant NetCDF XML

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
<gmi:MI_Metadata xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:gml="http://www.isotc211.org/2005/gml" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:gx="http://www.isotc211.org/2005/gmx"
  xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:schemaLocation="http://www.isotc211.org/2005/gmi
  https://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier gco:nilReason="missing"/>
  <gmd:language>
    <gmd:LanguageCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#LanguageCode" codeListValue="eng">eng</gmd:LanguageCode>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_CharacterSetCode"
      codeListValue="UTF8">UTF8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_ScopeCode"
      codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact gco:nilReason="missing"/>
  <gmd:dateStamp>
    <gco:Date>
    </gco:Date>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString>ISO 19115-2 Geographic Information - Metadata Part 2 Extensions for imagery and gridded data</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString>ISO 19115-2:2009(E)</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:spatialRepresentationInfo gco:nilReason="missing"/>
  <gmd:identificationInfo>
    <gmd:MD_DataIdentification id="DataIdentification">
      <gmd:citation>
        <gmd:CI_Citation>
          <gmd:title gco:nilReason="missing"/>
          <gmd:date gco:nilReason="missing"/>
          <gmd:identifier gco:nilReason="missing"/>
        </gmd:CI_Citation>
      </gmd:citation>
      <gmd:abstract gco:nilReason="missing"/>
      <gmd:pointOfContact gco:nilReason="missing"/>
      <gmd:language>
        <gco:CharacterString>eng</gco:CharacterString>
      </gmd:language>
      <gmd:topicCategory>
        <gmd:MD_TopicCategoryCode>climatologyMeteorologyAtmosphere</gmd:MD_TopicCategoryCode>
      </gmd:topicCategory>
      <gmd:extent gco:nilReason="missing"/>
    </gmd:MD_DataIdentification>
  </gmd:identificationInfo>
  <gmd:metadataMaintenance>
    <gmd:MD_MaintenanceInformation>
      <gmd:maintenanceAndUpdateFrequency gco:nilReason="unknown"/>
      <gmd:maintenanceNote>
        <gco:CharacterString>This record was translated from NetCDF using UnidataDD2MI.xsl Version 2.3.4. (2024-04-15T15:56:36.088-04:00)</gco:CharacterString>
      </gmd:maintenanceNote>
    </gmd:MD_MaintenanceInformation>
  </gmd:metadataMaintenance>
</gmi:MI_Metadata>
```

FGDC To ISO

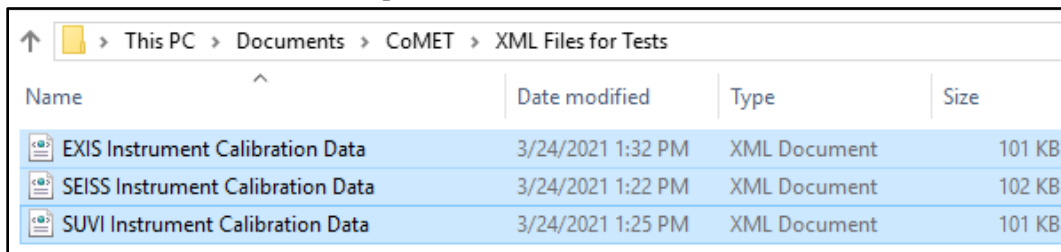
Translate from FGDC to ISO 19115-2

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" ?>
<gmi:MI_Metadata xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gml="http://www.isotc211.org/2005/gml"
xmlns:gmw="http://www.isotc211.org/2005/gmw" xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:gss="http://www.isotc211.org/2005/gss"
xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.isotc211.org/2005/gml http://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier/>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="http://www.isotc211.org/2005/resources/CodeList/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="http://www.isotc211.org/2005/resources/CodeList/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:dateStamp>
    <gco:Date>9999-01-01</gco:Date>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString>ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString>ISO 19115-2:2009(E)</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:metadataMaintenance>
    <gmd:MD_MaintenanceInformation>
      <gmd:maintenanceAndUpdateFrequency>
        <gmd:MD_MaintenanceFrequencyCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_MaintenanceFrequencyCode"
codeListValue="annually">annually</gmd:MD_MaintenanceFrequencyCode>
      </gmd:maintenanceAndUpdateFrequency>
      <gmd:maintenanceNote>
        <gco:CharacterString>This metadata was automatically generated from the standard (version ) using the 2016-10-18 version of the FGDC RSE to ISO 19115-2 transform.
</gco:CharacterString>
      </gmd:maintenanceNote>
      <gmd:maintenanceNote>
        <gco:CharacterString>Translated from FGDC 2024-04-15T15:58:10.05-04:00</gco:CharacterString>
      </gmd:maintenanceNote>
    </gmd:MD_MaintenanceInformation>
  </gmd:metadataMaintenance>
</gmi:MI_Metadata>
```

Upload Multiple/Bulk XML Files

- Click ‘Choose Files’
 - Select XML files from computer



This PC > Documents > CoMET > XML Files for Tests			
Name	Date modified	Type	Size
EXIS Instrument Calibration Data	3/24/2021 1:32 PM	XML Document	101 KB
SEISS Instrument Calibration Data	3/24/2021 1:22 PM	XML Document	102 KB
SUVI Instrument Calibration Data	3/24/2021 1:25 PM	XML Document	101 KB

- Hover over blue and white 'i' for information about 'What is a Metadata Record Name?'

Or provide a URL to remote XML file here:

Metadata Record Name ⓘ

Select the record format for

ISO 19115-2 XML

Import

What is a Metadata Record Name?

This field is optional when importing a metadata record and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below.

Example Name: gov.noaa.ncdc:C00844

Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors.

- Select Record Format from drop-down

Select the record format for import

ACDD NCML

ACDD NCML

CoMET Format XML

Unresolved ISO 19115-2 XML

- Click 'Import'

Import

- Receive message for each record: 'File Uploaded [File Name] Metadata Record uploaded successfully!'

Access Metadata Records Import Records

⚠ File Uploaded SUVI Instrument Calibration Data.xml

- Metadata Record uploaded successfully!

⚠ File Uploaded SEISS Instrument Calibration Data.xml

- Metadata Record uploaded successfully!

⚠ File Uploaded EXIS Instrument Calibration Data.xml

- Metadata Record uploaded successfully!

URL To Remote XML File

- Type or paste URL into ‘Or provide a URL . . .’ field

The screenshot shows the 'Import Record' form. At the top, it says 'Upload your XML File Here' with a 'Choose Files' button and 'No file chosen' text. To the right is a 'Clear Files' button. Below this, it says 'Or provide a URL to remote XML file here:' followed by a text input field containing the URL 'https://www.ncei.noaa.gov/metadata/geoportal/rest/metadata/item/gov.noaa.nodc%3AGHRSST-AHI_H08-STAR-L2P/html'. Below the URL field is a 'Metadata Record Name' field with a blue 'i' icon. Below that is a dropdown menu for 'Select the record format for import' with 'ISO 19115-2 XML' selected. At the bottom is a large green 'Import' button.

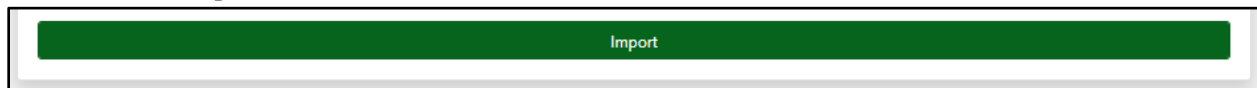
- Hover over blue and white ‘i’ for information about ‘What is a Metadata Record Name?’

This screenshot is similar to the previous one but includes a tooltip. The tooltip, titled 'What is a Metadata Record Name?', explains that the field is optional and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below. It gives an example: 'Example Name: gov.noaa.nodc:C00844'. A note states: 'Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors.' The form fields and buttons are the same as in the previous screenshot.

- Select Record Format from drop-down

This is a close-up of the 'Select the record format for import' dropdown menu. It shows four options: 'ISO 19115-2 XML', 'ACDD NCML', 'CoMET Format XML', and 'ISO 19115-2 XML'. The last option is highlighted in blue.

- Click 'Import'

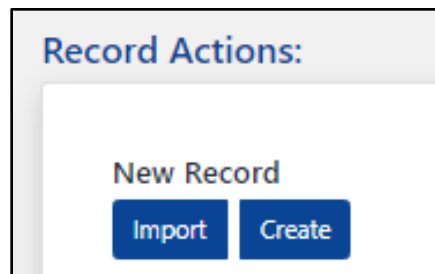


- Get message 'File Uploaded [File Name] Metadata Record uploaded successfully!'

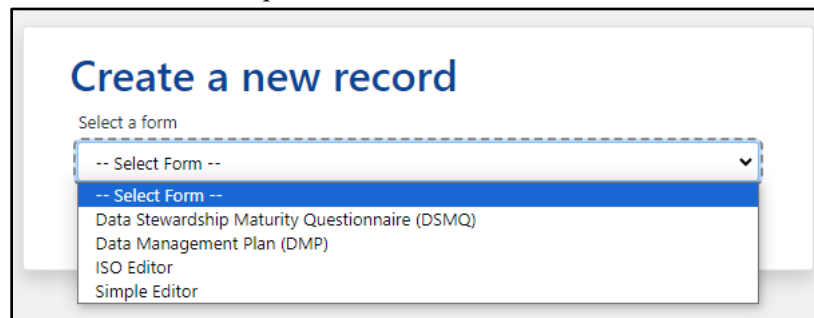


Create

- In Record Actions panel, click 'Create'



- From 'Create a new record' drop-down menu, select a form



Data Stewardship Maturity Questionnaire (DSMQ)

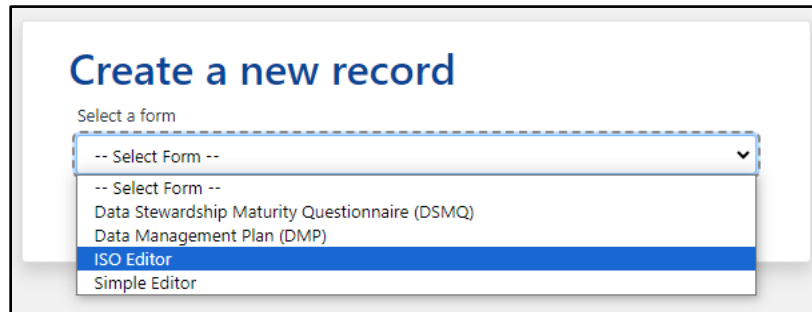
- DSMQ is an easy-to-use tool for assessing stewardship quality of digital environmental datasets
 - Based on Data Stewardship Maturity Matrix (DSMM)
- If metadata record will be published in OSIM (OneStop Inventory Manager), completing a DSMQ allows user to take advantage of OSIM's unique relevancy ranking feature
 - It may help metadata appear higher in search results
- Future functionality will allow user to generate a Data Stewardship Maturity Report (DSMR) based on answers provided in DSMQ
 - Report may be published under DSMR Technical Information Series with NOAA Central Library's Institutional Repository (IR)
 - Reports submitted to IR receive a Digital Object Identifier (DOI) that can be used for citability and tracking purposes by author
- See [DSMQ](#) instructions

Data Management Plan (DMP)

- In development

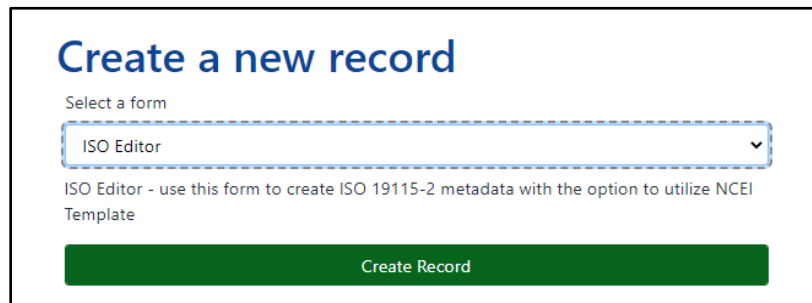
ISO Editor

- From 'Select a form' drop-down, select 'ISO Editor'



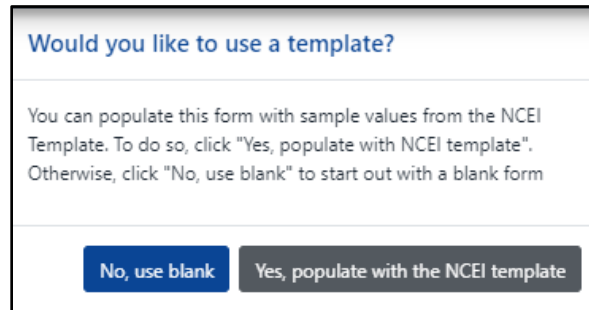
The screenshot shows a web interface titled "Create a new record". Below the title is a label "Select a form" followed by a dropdown menu. The dropdown menu is open, showing four options: "-- Select Form --", "-- Select Form --", "Data Stewardship Maturity Questionnaire (DSMQ)", "Data Management Plan (DMP)", "ISO Editor" (which is highlighted in blue), and "Simple Editor".

- Click 'Create Record'



The screenshot shows the same "Create a new record" form. The dropdown menu now shows "ISO Editor" as the selected option. Below the dropdown, there is a text description: "ISO Editor - use this form to create ISO 19115-2 metadata with the option to utilize NCEI Template". At the bottom of the form, there is a large green button labeled "Create Record".

- At ‘Would you like to use a template?’ prompt
 - Select ‘No, use blank’ if record will not be submitted to NCEI
 - OR select ‘Yes, populate with the NCEI template’ if data will be submitted to NCEI
 - Contains pre-populated fields for standard NCEI data

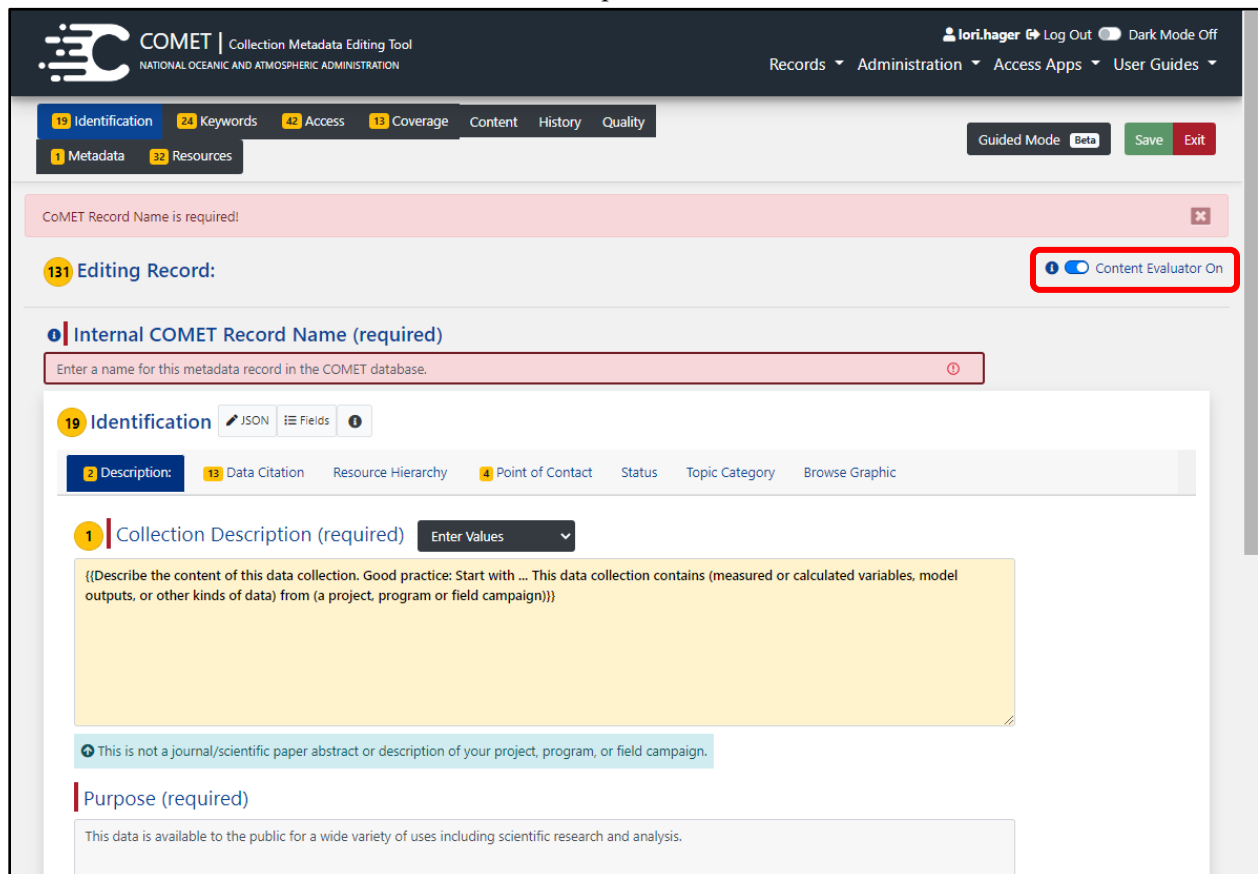


The screenshot shows a dialog box with a light gray background and a thin black border. At the top, the title 'Would you like to use a template?' is displayed in a blue font. Below the title, there is a paragraph of text: 'You can populate this form with sample values from the NCEI Template. To do so, click "Yes, populate with NCEI template". Otherwise, click "No, use blank" to start out with a blank form'. At the bottom of the dialog box, there are two buttons: a blue button on the left labeled 'No, use blank' and a gray button on the right labeled 'Yes, populate with the NCEI template'.

***Note: Instructions are same for ‘Yes, populate with the NCEI template’ as with ‘No, use blank’ except if NCEI template is used, there is an additional field on Identification tab titled ‘Supplemental Information’
‘Supplemental Information’ is not a required field***

Content Evaluator

- CoMET defaults to 'Content Evaluator On'
 - Hover over blue and white 'i' for information about 'Content Evaluator'
 - Orange badges identify content to be reviewed
 - Contains blank data or data from templates meant to be replaced or removed
- Required fields are identified by a vertical red bar next to field name, as well as text '(required)' after field name
- Enter 'Internal COMET Record Name' in pink field



COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

lori.hager Log Out Dark Mode Off

Records Administration Access Apps User Guides

19 Identification 24 Keywords 42 Access 13 Coverage Content History Quality

1 Metadata 32 Resources

Guided Mode Beta Save Exit

COMET Record Name is required!

131 Editing Record: Content Evaluator On

Internal COMET Record Name (required)

Enter a name for this metadata record in the COMET database.

19 Identification JSON Fields

2 Description: 13 Data Citation Resource Hierarchy 4 Point of Contact Status Topic Category Browse Graphic

1 Collection Description (required) Enter Values

{{Describe the content of this data collection. Good practice: Start with ... This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)}}

This is not a journal/scientific paper abstract or description of your project, program, or field campaign.

Purpose (required)

This data is available to the public for a wide variety of uses including scientific research and analysis.

Browse Graphic

- Copy URL from an approved image from [Docucomp](#)
- Click on 'Browse Graphic'



Identification JSON Fields

Description: Data Citation Resource Hierarchy Point of Contact Status Topic Category Browse Graphic

- Paste URL into Filename field

Browse Graphic

Required for NCEI datasets. Select the default NOAA logo if a custom image is not available.

Graphic 1

Enter Values ▼

JSON Fields Info

Filename (required) Enter Values ▼

https://data.dev.ncei.noaa.gov/docucomp/image/8f69a92a-4f8e-466d-9e0d-b0281fc25d4b

- Get message 'Document updated successfully!'

Document updated successfully!

- To preview graphic image on Landing page
 - On Metadata Records List panel, locate record to be viewed and select 'View' drop-down from Tasks column
 - Select 'Landing Page HTML'

Metadata Records List

Showing 1 of 1 records Show Columns: File Identifier

Tasks	File Identifier	UUID	Description
Edit - Manage - View - Assess - Validate -	gov.noaa.ncdc:C01436_test11122024	90ec63e7-224a-4ff0-bab6-c622f3290f34	Record Name: VIIRS Snow Cover DOI: https://doi.org/10.7289/V5M043MH

CoMET Format XML

Landing Page HTML

Plain Text HTML

Resolved ISO 19115-2 XML

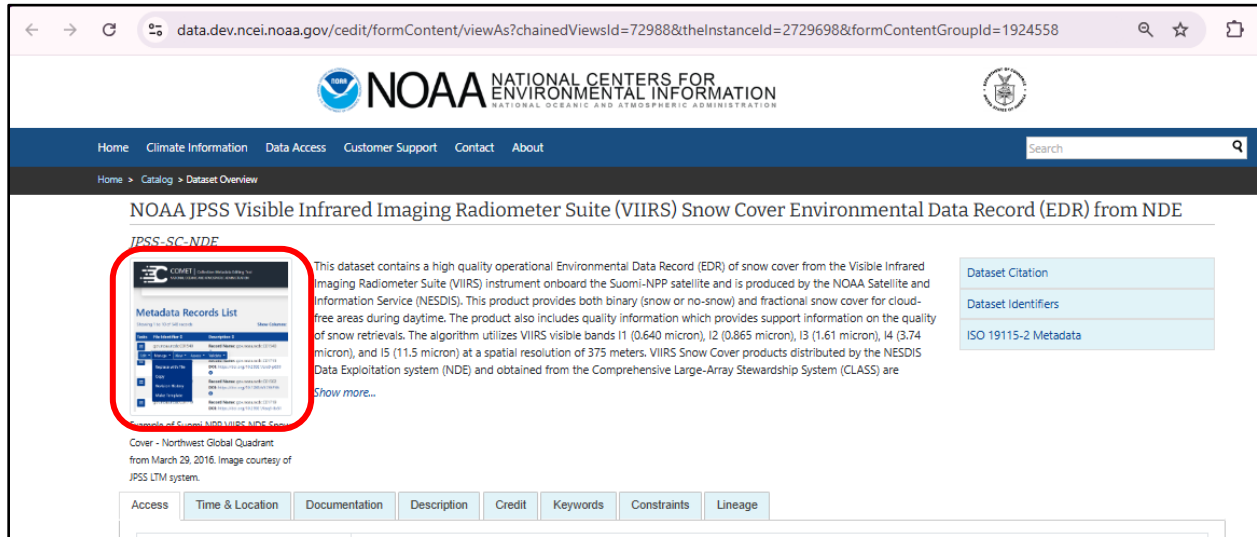
Unresolved ISO 19115-2 XML

NODD Metadata Beta

Version 1.13.5

Privacy Policy Freedom of Information Act Information Quality Disclaimer Take Our Survey Depa

- View image on Landing Page

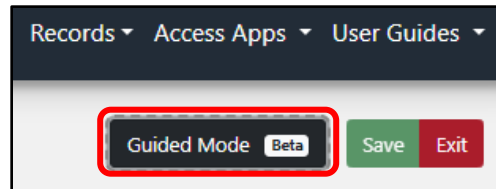


Guided Mode

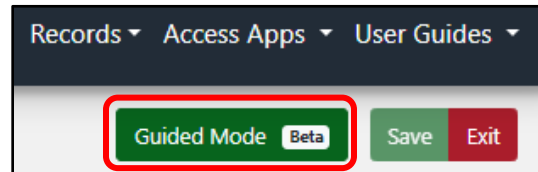
- Helps user work through metadata for completeness, thereby increasing Rubric V2 score
 - Works in conjunction with Content Evaluator (orange badges)

Note: User has option to use Guided Mode when first creating a record OR user may wait to consult Guided Mode to review what fields may be missing metadata

- To turn on 'Guided Mode', click black 'Guided Mode' button



- To turn off 'Guided Mode', click green 'Guided Mode' button



- Right column is ‘Total Completeness Score’ for each Rubric category
 - Total Completeness Score percentages are calculated from Required fields
 - Total Completeness Score Extra Credits are calculated from Recommended fields
- Left column is ‘Guided ISO Editor’ and displays points scored for each sub-category

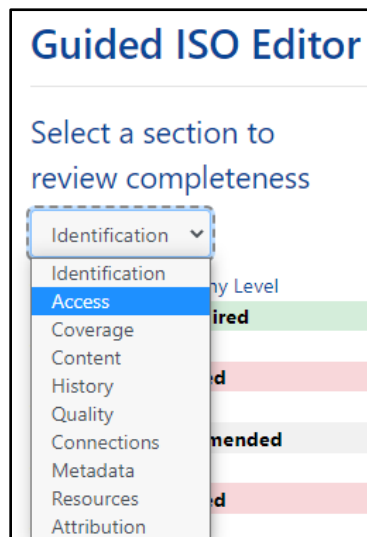
The screenshot shows the 'Guided ISO Editor' interface. On the left, a sidebar lists various metadata categories with their completion status (e.g., 'Resource Hierarchy Level' is 100% required, 'Resource Title' is 0% required). The main area is titled 'Editing Record:' and shows a 'Completeness Rubric for: {{Collection Title}}'. The 'Total Completeness Score' is 39% + 9.42 (extra credit). Below this, a grid of 10 boxes displays scores for different categories: Identification (50%), Access (42%), Coverage (0%), Content (0%), History (25%), Quality (0%), Connections (0%), Metadata (100%), Resources (Extra Credit Only), and Attribution (Extra Credit Only). A red banner at the top indicates 'CoMET Record Name is required!'.

- Below ‘Total Completeness Score’, hover over blue and white ‘i’ for a description of a Rubric category

• Identification Description

This screenshot shows a tooltip for the 'Identification' category. The tooltip has a title 'Identification Description' and a description: 'The Identification Category provides content needed for the basic discovery of the resource. It includes the title, abstract, theme keywords, point of contact, and resource hierarchy level'. Below the description, it states 'Required'. On the left side of the tooltip, there is a small box showing the category name 'Identification' with an information icon, and the score '50% (4.50/9) Extra Credit 2'.

- To see scores for other categories, click drop-down menu in ‘Guided ISO Editor’ below ‘Select a section to review completeness’
 - Select category



- **Access Description**

Access Description	
	The Access Category provides information about how to obtain the data, including formats, access points, distribution contacts, and disclaimer statements.
Access ⓘ	Not required when Resource Hierarchy Level = fieldSession or Status = planned
42% (1.67/4)	
Extra Credit 0.75	

- **Coverage Description**

Coverage Description	
	The Coverage Category provides information about regarding the extent of the resource, such as temporal range of content, geographic bounds of content, and general place names. This information can be displayed on maps and timelines and used in spatial searches.
Coverage ⓘ	Spatial Extent is not required when the Resource Hierarchy Level = nonGeographicDataset.
0% (0/2)	
Extra Credit 1	

- Content Description

Content Description	
The Content Category identifies the parameters, variables or features of the resource and can be documented with at least one of the two subcategories: Attributes or Features.	
Content ⓘ	
0% (0/3) Extra Credit 0	Not Required when Resource Hierarchy Level = 'fieldSession'.

- History Description

History Description	
The History Category provides information about how the resource was collected, processed or other steps associated with the resource, such as archival activity.	
The Acquisition subcategory is recommended for raw or near-raw observations, for example Level 0 satellite data. Lineage subcategory is recommended for resources that have been processed.	
History ⓘ	If unable to provide acquisition or lineage, then provide a general statement. At least Acquisition, Lineage or Statement is required. You get extra credit if more than one subcategory is documented.
25% (1/4) Extra Credit 2	Required
The subcategory with the highest score is used as the Required segment. The lower score will become extra credit. If the Required Score for Lineage is > 1, Acquisition = 0, and Statement = 1; you will score 100%	

- Quality Description

Quality Description	
The Quality Category provides reports on how complete or accurate a resource is.	
Quality ⓘ	
0% (0/2) Extra Credit 0	Not required when Resource Hierarchy Level = 'fieldSession'.
Only Quality sections that include 'Reports' are counted.	

- **Connections Description**

	Connections Description
Connections ⓘ	The Metadata Category provides information about this metadata record such as metadata ID, standard name, metadata contact and notes.
0% (0/2) Extra Credit 0	Required
	Extra Credit 0 Extra Credit 2.67

- **Metadata Description**

	Metadata Description
Metadata ⓘ	The Metadata Category provides information about this metadata record such as metadata ID, standard name, metadata contact and notes.
100% (5/5) Extra Credit 0	Required
	Extra Credit 2.67 Extra Credit 1

- **Resources Description**

	Resources Description
Resources ⓘ	The Associated Resource Category provides citations or identifiers to related papers, sister resources, parents, or programs that the resource is associated with.
Extra Credit Only Extra Credit 2.67	Highly Recommended

- **Attribution Description**

	Attribution Description
Attribution ⓘ	The Attribution Category provides information that can be used to cite the resource and provide proper credit, such as creator names, publisher names and a Digital Object Identifier (DOI).
Extra Credit Only Extra Credit 1	Highly Recommended

- For each sub-category, click on link next to an ‘X’
 - Find orange badge(s) on right for what is missing or wrong
 - ‘Resource Title’ equals ‘Title (required)’
 - Enter a title
- Repeat for each link next to an ‘X’

COMET | Collection Metadata Editing Tool
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Records Administration Access Apps User Guides

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Guided Mode Beta Save Exit

Extra Credit 0 Extra Credit 0 Extra Credit 2.67 Extra Credit 1

Guided ISO Editor

Select a section to review completeness

Identification

- ✓ Resource Hierarchy Level
100% : 1/1 : Required
- ✗ Resource Title
0% : 0/1 : Required
- ✗ Resource ID
0% : 0/5 : Recommended
- ✗ Abstract
0% : 0/1 : Required
- ✓ Purpose
100% : 1/1 : Required
- ✗ Resource Date
0% : 0/1 : Required
- ✓ Status
100% : 1/1 : Required

1

Title (required)

{{Collection Title}}

Descriptive title of the dataset being documented. Spell out any acronyms.

Version 1.11.0

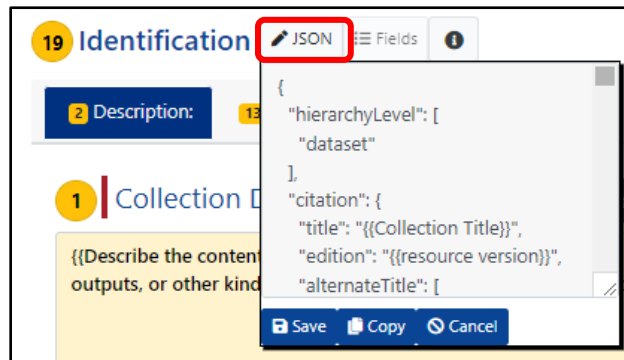
ncei.collection-manager.support@noaa.gov

Privacy Policy Freedom of Information Act Information Quality Disclaimer Take Our Survey Department of Commerce NOAA

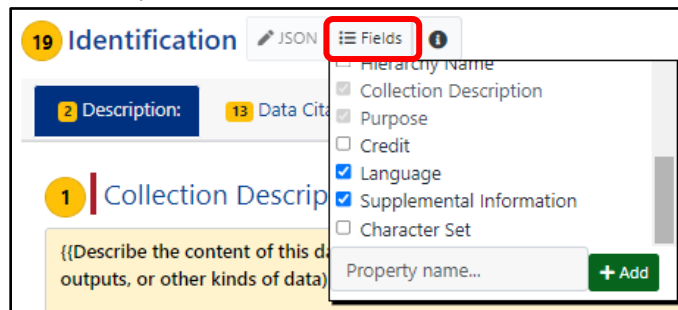
- Enter data into fields

The screenshot displays the COMET Collection Metadata Editing Tool interface. At the top, the header includes the COMET logo, the text 'Collection Metadata Editing Tool' and 'NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION', a user profile 'lori.hager', and links for 'Log Out' and 'Dark Mode Off'. A navigation bar contains 'Records', 'Administration', 'Access Apps', and 'User Guides'. Below this is a tabbed interface with 'Identification', 'Keywords', 'Access', 'Coverage', 'Content', 'History', and 'Quality'. A secondary bar shows 'Metadata' and 'Resources'. On the right, there are buttons for 'Guided Mode', 'Data', 'Save', and 'Exit'. A pink error message at the top states 'CoMET Record Name is required!'. The main section is titled '131 Editing Record:' and includes a 'Content Evaluator On' toggle. A sub-section 'Internal COMET Record Name (required)' has a text input field with a placeholder 'Enter a name for this metadata record in the COMET database.' and a red error icon. Below this is the '19 Identification' section with tabs for 'JSON', 'Fields', and 'Info'. Under the 'Fields' tab, there are sub-tabs: '3 Description:', '11 Data Citation', 'Resource Hierarchy', '4 Point of Contact', 'Status', 'Topic Category', and 'Browse Graphic'. The '3 Description:' sub-tab is active, showing a '1 Collection Description (required)' field with a placeholder '((Describe the content of this data collection. Good practice: Start with ... This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)))'. A tooltip below it says 'This is not a journal/scientific paper abstract or description of your project, program, or field campaign.' Below the description is a 'Purpose (required)' field with a placeholder 'This data is available to the public for a wide variety of uses including scientific research and analysis.' and a tooltip 'Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis)'. The 'Language' field has a dropdown menu set to 'eng: USA'. The '1 Supplemental Information' field has a placeholder '((any other information))' and a tooltip 'Any additional information to complete the data description.' At the bottom, there are buttons for 'View/Edit Orphaned Data' and 'View @xml* Fields', and a small icon in the bottom right corner.

- JSON code can be directly modified or copied
 - Click JSON button



- Modify, as desired
 - OR highlight text and click 'Copy'
 - If any changes made, click 'Save' in JSON window
- Click 'JSON' button again to close window
- Additional fields may be included by clicking 'Fields' button
 - Place check in box next to field
 - If checkbox is gray, its field is already on page
 - Field is required and cannot be removed
 - Deleting a check removes field and its values
 - Language is checked by default



- After selecting fields, click 'Fields' button again to close window
- Click 'Data Citation' tab (next to 'Description' tab)



- Enter Dataset Title in ‘Title’ field

1 Data Citation JSON Fields i

1 Title: Alternate Titles Dates Dataset Identifiers Responsible Parties Presentation Form

1 Title (required)

Enter a Collection Title

Descriptive title of the dataset being documented. Spell out any acronyms.

Enter DOI, ORCID, and/or ROR ID into a record

Note: Records may or may not have a DOI, ORCID, or ROR ID

DOIs, ORCIDs, and ROR IDs may be added when record is created or later, when edited

Digital Object Identifier (DOI)

- From Identification tab select ‘Data Citation’, then ‘Dataset Identifiers’

19 Identification JSON Fields i

2 Description: 13 Data Citation Resource Hierarchy 4 Point of Contact Status Topic Category Browse Graphic

13 Data Citation (required) Enter Values

JSON Fields i

2 Title: 1 Alternate Titles 1 Dates 7 Dataset Identifiers 2 Responsible Parties

- Below ‘@xlink:href’, replace the double braces and the text ‘DOI’ with the DOI number, e.g., 10.7289/V5HM56GM

1 @xlink:href

https://doi.org/{{DOI}}

The value of the href attribute in linking elements contains a locator that identifies a resource, e.g., by a URI reference or by an XPointer specification. The xlink href attribute is used to reference a component, and the xlink title attribute is used to apply a human understandable name to the component.

- Below ‘Text value for xlink’, replace the double braces and the text ‘DOI’ with ‘doi:[doi number]’ e.g., ‘doi:10.7289/V5HM56GM’

Text value for xlink

{{DOI}}

Open Researcher and Contributor ID (ORCID)

Note: ORCIDs are for individuals

- From Identification page, select ‘Data Citation’, then ‘Responsible Parties’

19 Identification JSON Fields i

2 Description: 13 Data Citation Resource Hierarchy 4 Point of Contact Status Topic Category Browse Graphic

13 Data Citation (required) Enter Values

JSON Fields i

2 Title: 1 Alternate Titles 1 Dates 7 Dataset Identifiers 2 Responsible Parties

- On left of screen is Author > Party 1
 - Below Role is ‘author’
 - Role may be changed as desired
 - Click gray drop-down menu

2 Responsible Parties + Party All

Identify individuals and/or organizations who are or were responsible for creating the dataset. A responsible party can have more than one role. At least one responsible party with the role code of "Author" is REQUIRED. Each "Author" receives credit as a creator and is included in the dataset's citation.

1 Author > Party 1

1 Author > Party 2

Publisher > Party 3

1 Party 1 Enter Values

JSON Fields i

Role (required) Select Value

author

- Next to Name, change ‘Enter Values’ to ‘Use an Xlink’

1 Individual JSON Fields i

1 Name Enter Values

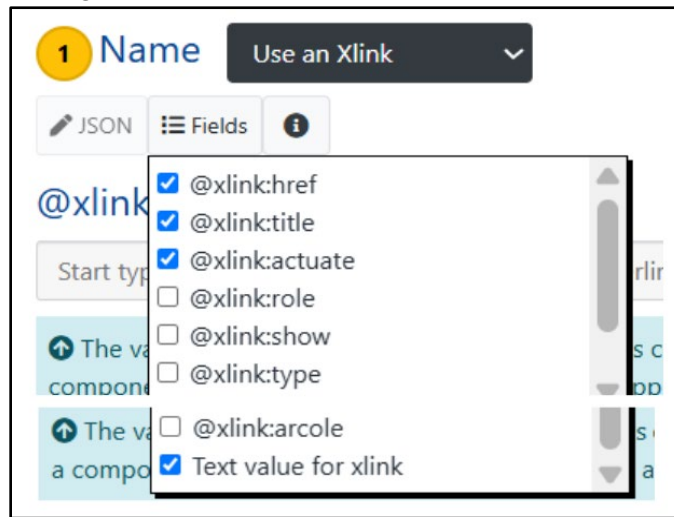
{{Last, F. M.}}

Use an Xlink

Choose a nilReason

Party Party

- Below Name, click Fields
 - Ensure '@xlink:href', '@xlink:title', '@xlink:actuate', and Text value for xlink are checked
 - Click Fields again to close



- As stated in field below @xlink:href 'Start typing to get a suggested list or paste a hyperlink here'
 - E.g., <https://orcid.org/0000-0001-7905-966X>
- Below @xlink:title, enter ORCID Researcher ID
- Below @xlink:actuate, enter 'onRequest'
- Below Text value for xlink, enter author's name
 - Last name, first name

1 Name Use an Xlink

JSON Fields

@xlink:href

Start typing to get a suggested list or paste a hyperlink here

The value of the href attribute in linking elements contains a locator that identifies a resource, e.g., by a URI reference or by an XPointer specification. The xlink href attribute is used to reference a component, and the xlink title attribute is used to apply a human understandable name to the component.

@xlink:title

The title attribute indicates a human-readable description of the entire link.

@xlink:actuate

The actuate attribute is used to express a policy as to when the traversal of a link should occur. The auto value indicates that the resource is automatically traversed. The user value indicates that the link is traversed only on the request of the user. The valid values for actuate are "onLoad", "onRequest", "other", and "none".

Text value for xlink

Research Organization Registry (ROR) ID

Note: ROR IDs are for organizations

- From Identification page, select 'Data Citation', then 'Responsible Parties'

The screenshot shows the 'Identification' page. At the top, there's a navigation bar with 'Data Citation' selected. Below this, the 'Data Citation (required)' section is visible, with a dropdown menu set to 'Enter Values'. At the bottom, the 'Responsible Parties' section is highlighted in the navigation bar.

- On left of screen click on Author > Party 2
 - Below Role is 'author'
 - Role may be changed as desired
 - Click gray drop-down menu

The screenshot shows the 'Responsible Parties' page. On the left, there's a list of parties: 'Author > Party 1', 'Author > Party 2', and 'Publisher > Party 3'. 'Party 2' is selected. Below the party name, there's a 'Role (required)' dropdown menu with 'author' selected.

- Next to Organization Name, change 'Enter Values' to 'Use an Xlink'

The screenshot shows the 'Organization' page. The 'Organization Name' field is visible, with a dropdown menu open showing options: 'Use an Xlink', 'Enter Values', 'Use an Xlink', and 'Choose a nilReason'. The first 'Use an Xlink' option is selected.

- Below Organization Name, click Fields

- Ensure '@xlink:href', '@xlink:title', '@xlink:actuate', and Text value for xlink are checked
- Click Fields again to close



- As stated in field below '@xlink:href' 'Start typing to get a suggested list or paste a hyperlink here'
 - E.g., <https://ror.org/03yn06t56>
- Below '@xlink:title', enter 'ROR ID'
- Below '@xlink:actuate', enter 'onRequest'
- Below Text value for xlink, enter organization's name

1
Organization Name
Use an Xlink

JSON
Fields
?

@xlink:href

Start typing to get a suggested list or paste a hyperlink here

ⓘ The value of the href attribute in linking elements contains a locator that identifies a resource, e.g., by a URI reference or by an XPointer specification. The xlink href attribute is used to reference a component, and the xlink title attribute is used to apply a human understandable name to the component.

@xlink:title

ⓘ The title attribute indicates a human-readable description of the entire link.

@xlink:actuate

ⓘ The actuate attribute is used to express a policy as to when the traversal of a link should occur. The auto value indicates that the resource is automatically traversed. The user value indicates that the link is traversed only on the request of the user. The valid values for actuate are "onLoad", "onRequest", "other", and "none".

Text value for xlink

- On left of screen is Publisher > Party 3
 - Below Role is 'publisher'
 - Below Organization Name always enter 'NOAA National Centers for Environmental Information'

Create, cont'd

- Use tabs to navigate through form

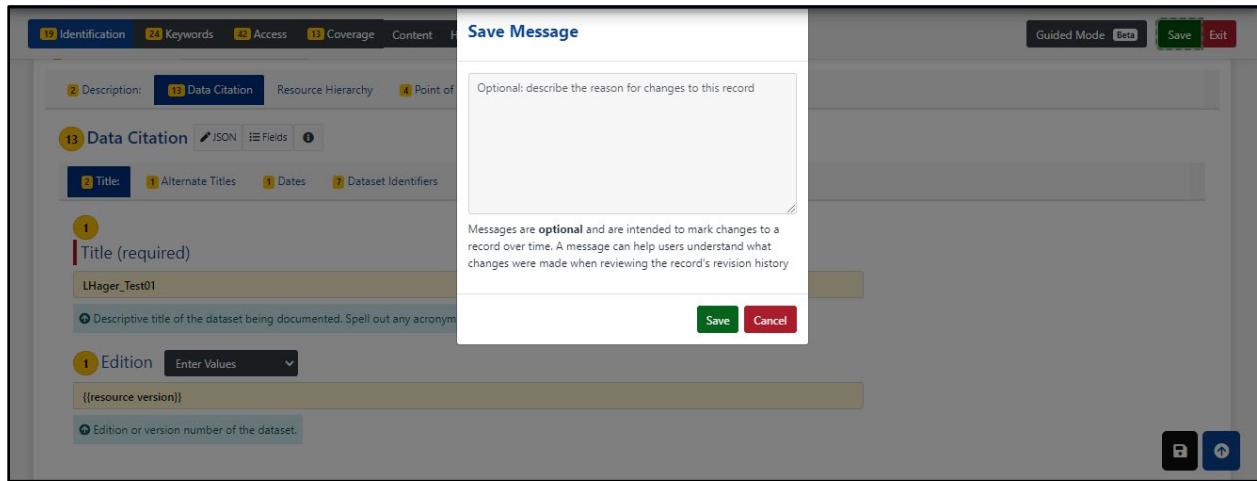
- Save periodically as form will not save automatically

**Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message**

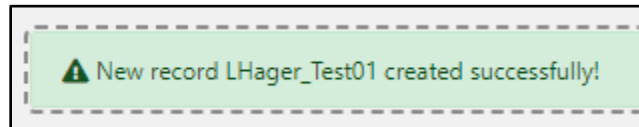
- Click 'Save' button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record . . . created successfully'



Note: Even if one or more required fields are blank or not in the expected format, CoMET will ignore the validation errors and allow the record to be created

- Metadata Records List page reloads
 - New record at top of Metadata Records List

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Records ▾ Administration ▾ Access Apps ▾ User Guides ▾

Home / Metadata Records List

Filters:

Record Group: trainingCoMET/ View WAF

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ndbc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ndbc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2b3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download Publishing ▾

Metadata Records List

Showing 1 to 4 of 4 records

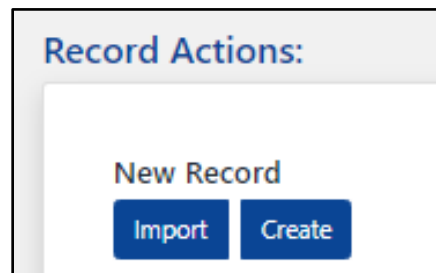
Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ndbc:373224862614429	Record Name: LHager_Test01 DOI: https://doi.org/[[DOI]] Tags:	DRAFT	lori.hager	2023-01-11 13:00:42 EST

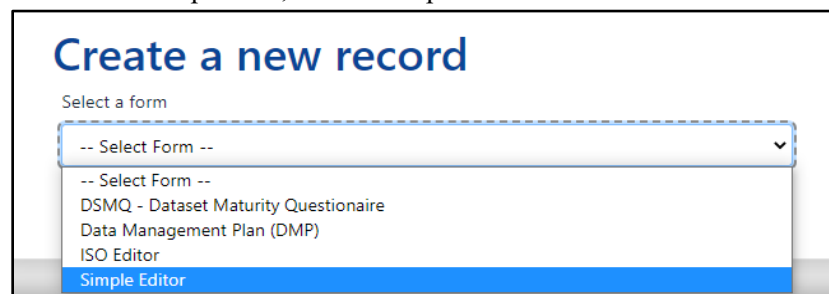
Simple Editor

Enables non-metadata experts to easily create metadata records within CoMET

- In Record Actions panel, click 'Create'



- From 'Select a form' drop-down, select 'Simple Editor'



- Click ‘Create Record’

Create a new record

Select a form

Simple Editor

Simple Editor - a lite version of ISO Editor, use this form to create a minimal ISO record. If you are copying a record from a full ISO record, use the ISO Editor instead.

Create Record

- CoMET defaults to Dataset Information tab
 - Enter data into fields
 - ‘Internal CoMET Record Name’ is a required field

Save Exit

Editing Record:

Internal CoMET Record Name (required)

Enter a name for this metadata record in the CoMET database.

This value is displayed as "Name" under the Record Identification column on the Metadata Records List. It is not derived from any part of the XML. Its purpose is to provide an easy to search name and sorting mechanism for the Metadata Records List. Some groups will enter a unique identifier in this field such as the record's file identifier or accession number.

Dataset Information People & Projects Dates & Locations Additional Keywords Access / Distribution

Dataset Title

Your title should include one or two primary variables, not more than one or two platform/ship names, and the location and date range when the data were collected. Please enter your date in the format YYYY-MM-DD

Title

Enter a Collection Title

Descriptive title of the dataset being documented. Spell out any acronyms.

Collection Description

A brief narrative summary of the data set; a clear and concise statement that enables the reader to understand the content of the dataset. This is not a journal/scientific paper abstract or description of your project, program, or field campaign.

Collection Description

Guidance: Describe the content of this data collection. Good practice: Start with: This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)

Save

Exit

Purpose

Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis).

Purpose

Example: This data is available to the public for a wide variety of uses including scientific research and analysis.

Supplemental Information

Supplemental Information

Enter any other information

Any additional information to complete the data description.

Topic Categories

High-level thematic classification to assist in the grouping and searching of data. The most applicable topics in NOAA are usually Geoscientific Information, Climatology > Meteorology > Atmosphere, Oceans or Elevation.

Topic Category

Topic 1

+ Topic

Publish Dates

Use the date that this dataset was first published or released.

Date

+ Date

Theme/Science Keyword Descriptors

These theme/science keywords are from the Global Change Master Directory (GCMD) controlled vocabulary. To enter other values, please go to the Additional Keywords tab.

(GCMD) Science Keyword Values

Select theme values from Global Change Master Directory (GCMD) Science Keywords

- Use tabs to navigate through form

Dataset Information

People & Projects

Dates & Locations

Additional Keywords

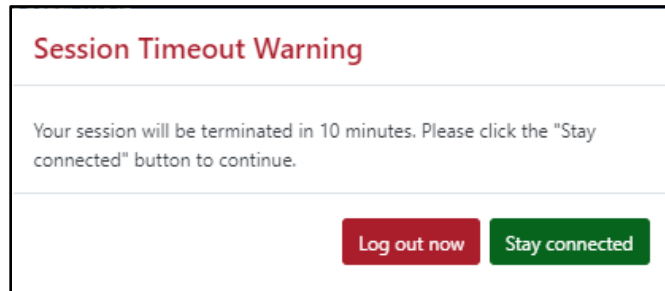
Access / Distribution

v 1.14.8

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- Save periodically as form will not save automatically

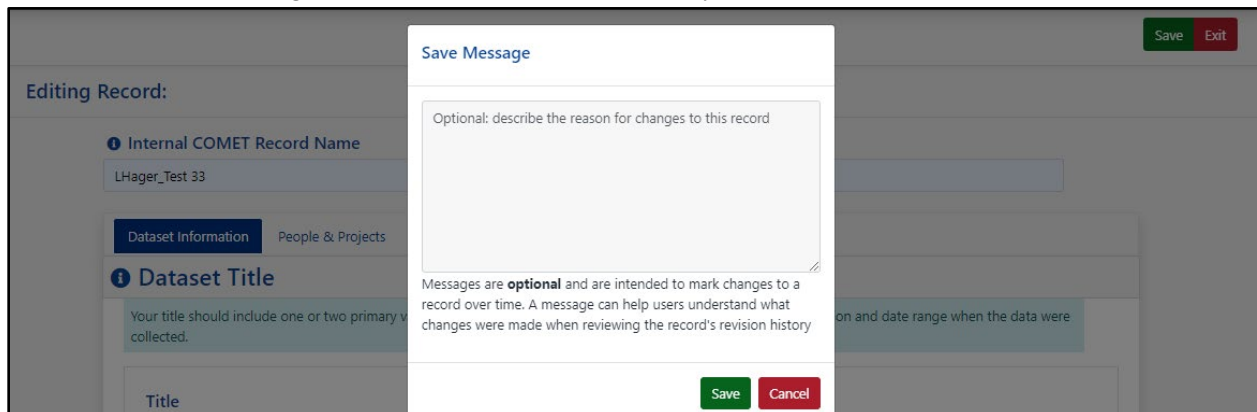
***Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message***



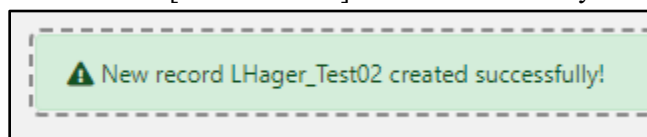
- Click 'Save' button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record [Record Name] created successfully'



- Metadata Records List page reloads
 - New record at top of Metadata Records List

Home / Metadata Records List Close Filters & Actions

▲ New record LHager_Test02 created successfully!

Filters:

Record Group: trainingCoMET/ View WAF

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ndbc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ndbc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download

Publishing

Metadata Records List

Showing 1 to 4 of 4 records

Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:508925708348805	Record Name: LHager_Test02 Tags: +	DRAFT	lori.hager	2023-01-18 10:16:32 EST
	gov.noaa.ncei:373224862614429	Record Name: LHager_Test01 DOI: https://doi.org/[[DOI]] Tags: +	DRAFT	lori.hager	2023-01-11 13:00:42 EST

Bulk Actions

- Hover over blue and white 'i' for information about Bulk Actions

Change Group

Note: Action available only to Group Manager user role

User with Editor role will not see 'Change Group' in 'Record Actions' box

Move one or more record(s) from current Record Group to another managed by same Group Manager

- In Record Actions panel, click 'Change Group'

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download

Publishing

- Below Record List, click box(es) next to File Identifier for record(s) to be moved
- From drop-down menu below 'Select the new record group', select target record group
 - Only record groups for which user is a Group Manager will be on drop-down

Move records from test/

Record List

Showing 1 to 10 of 33 records

Filter records: Unselect All Select All

File Identifier	UUID	Record Name	Last Updater	Last Updated	Edit State
☐ PhilC00028	5cd847df-b99a-4587-ac45-b6176a2460f0	PhilC00028	philip.jones	2022-03-22 15:41:28.62	DRAFT
☐ PaulC00026	c3f150f2-2135-475b-b69c-50d03773e85f	PaulC00026	paul.lemieux	2022-03-22 15:44:14.254	DRAFT
☐ JasonS:C000102	b51f45de-9c74-41a9-a245-aca547573418	test record	martin.aubrey	2022-07-13 11:37:05.919	ONESTOP_PUBLISH_FAILED
☐ gov.noaa.ncei:659646375416226	f82d6832-3e96-4a23-a8f5-9f0e9ecc23f5	Test Record	martin.aubrey	2022-07-13 11:37:05.891	ONESTOP_PUBLISH_FAILED
☐ gov.noaa.ncei:465524637497365	83a27161-6ed5-420e-b5e5-5363307ad41f	gov.noaa.ncei:465524637497365	lori.hager@noaa.gov	2024-11-12 16:24:40.27	WITHDRAWN
☐ gov.noaa.star:AHIL3U_GHRSST_ACSP0_SST_test11202024	980107b4-f05d-4d62-ab66-f860ec96fe41	H8_Test	lori.hager@noaa.gov	2024-11-20 19:30:17.536	WITHDRAWN
☒ gov.noaa.ncdc:C01436_test11122024	90ec63e7-224a-4ff0-bab6-c622f3290f34	VIIRS Snow Cover	lori.hager@noaa.gov	2024-11-15 18:54:15.489	DRAFT
☐ gov.noaa.star:AHIL3U_GHRSST_ACSP0_SST_test11122024	e371dc24-5d6f-439b-b6a4-18172228a415	H8_Test	lori.hager@noaa.gov	2024-11-20 15:22:02.6	DRAFT
☐ LoriC00021	b69822fe-77e1-410a-b09b-	LoriC00021	lori.hager	2023-08-11	IN_REVIEW

Display records per page

Previous 1 2 3 4 Next

You have selected 1 files to move

Select the new record group:

-- Select a Value --

-- Select a Value --

COMET 2.0 TEST GROUP

ea_demo/

- Click 'Move Records' at bottom of screen

☐ gov.noaa.star:AHIL3U_GHRSST_ACSP0_SST_test11202024

☒ gov.noaa.ncdc:C01436_test11122024

☐ gov.noaa.star:AHIL3U_GHRSST_ACSP0_SST_test11122024

☐ LoriC00021

Display records per page

Previous 1 2 3 4 Next

You have selected 1 files to move

Select the new record group:

COMET 2.0 TEST GROUP

Move Records

- ‘Metadata Records List’ of target page reloads
- Message appears ‘Records moved successfully!’
- Moved record is at top of list

Records moved successfully!

Filters:

Record Group

COMET 2.0 TEST GROUP

Edit State

-- Select a Value --

Record Name

Examples: AMSU, GOES, Grid

XML Content

Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater

Examples: user.name, bob, curly, moe

File Identifier:

Example: gov.noaa.ncdc:C00844

UUID:

Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags

Example: oceans, water vapor, heat, land surface, instrument

Search Records

Reset All

Record Actions:

New Record

Import

Create

Bulk Actions

Download

Metadata Records List

Showing 1 to 10 of 94 records

Show Columns:

File Identifier

UUID

Description

Edit State

Last Updater

Updated

Created

Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ncdc:C01436_test11122024	90ec63e7-224a-4ff0-bab6-c622f3290f34	Record Name: VIIRS Snow Cover DOI: https://doi.org/10.7289/V5M043MH	DRAFT	lori.hager@noaa.gov	2025-04-14 18:24:41 UTC

Download

Download one or more XML files from current Record Group to user’s records

- In Record Actions panel, click ‘Download’

Record Actions:

New Record

Import

Create

Bulk Actions

Change Group

Download

Publishing

- Below Record List, click box(es) next to File Identifier for record(s) to be downloaded
 - Records may be filtered by any Record List heading
 - Enter heading name in field next to 'Filter Records'
- From drop-down menu below 'Select resolve type for your downloaded data', select type

Download records for group: test/

Record List

Showing 1 to 10 of 32 records

Filter records: Unselect All Select All

File Identifier	UUID	Record Name	Last Updater	Last Updated	Edit State
☐ PhilC00028	5cdb47df-b99a-4587-ac45-b6176a2460f0	PhilC00028	philipjones	2022-03-22 15:41:28.62	DRAFT
☐ PaulC00026	c3f150f2-2135-475b-b69c-50d03773e65f	PaulC00026	pauJlemieux	2022-03-22 15:44:14.254	DRAFT
☐ JasonSIC000102	b51f45de-9c74-41a9-a245-aca547573418	test record	martin.aubrey	2022-07-13 11:37:05.919	ONESTOP_PUBLISH_FAILED
☐ gov.noaa.ncei:659646375416226	f82d6832-3e96-4a23-a8f5-9f0e9ecc23f5	Test Record	martin.aubrey	2022-07-13 11:37:05.891	ONESTOP_PUBLISH_FAILED
☐ gov.noaa.star:AHJ_L3U_GHRSSST_ACSP0_SST_test11202024	980107b4-f05d-4d62-ab66-f860ec96fe41	H8_Test	lori.hager@noaa.gov	2024-11-20 19:30:17.536	WITHDRAWN
☒ gov.noaa.star:AHJ_L3U_GHRSSST_ACSP0_SST_test11202024	e371dc24-5d6f-439b-b6a4-18172228a415	H8_Test	lori.hager@noaa.gov	2024-11-20 15:22:02.6	DRAFT
☐ gov.noaa.ncei:465524637497365	83a27161-6ed5-420e-b5e5-5363307ad41f	gov.noaa.ncei:465524637497365	lori.hager@noaa.gov	2024-11-12 16:24:40.27	WITHDRAWN
☐ LoriC00021	b69822fe-77e1-410a-b09b-567c8804dc8c	LoriC00021	lori.hager	2023-08-11 15:30:49.256	IN_REVIEW
☐ LoganC00020	013d48c7-3cb6-4ca6-841f-	LoganC00020	logan.dodson	2022-03-22 15:44:10.77	DRAFT

Display records per page

Previous 1 2 3 4 Next

You have selected 1 files to download

Please be aware that downloading a large number of records may take an extended period and could result in a timeout, depending on the size of the data and your connection speed.

Select resolve type for your downloaded data:

- Unresolved - Preserve xlink
- Unresolved - Preserve xlink
- Resolved - Resolve xlink

- Click 'Download Records' at bottom of screen
 - Save to destination folder
 - Records saved in Zip file

Select resolve type for your downloaded data:

Unresolved - Preserve xlink

Download Records

- If File Name/File Identifier saved in CoMET has a colon

Download records for group: test/

Record List

Showing 1 to 2 of 2 records (filtered from 32 total entries)

Filter records: noaa.star Unselect All Select All

File Identifier	UUID	Record Name	Last Updater	Last Updated	Edit State
☒ gov.noaa.star:AHJ_L3U_GHRSSST_ACSP0_SST_test11202024	980107b4-f05d-4d62-ab66-f860ec96fe41	H8_Test	lori.hager@noaa.gov	2024-11-20 15:22:02.6	DRAFT
☐ gov.noaa.star:AHJ_L3U_GHRSSST_ACSP0_SST_test11202024	980107b4-f05d-4d62-ab66-f860ec96fe41	H8_Test	lori.hager@noaa.gov	2024-11-20 19:30:17.536	WITHDRAWN

- Downloaded File Name will only have text after colon

Name	Type	Compressed size
 AHI_L3U_GHRSST_ACSP0_SST_test11122024	XML File	6 KB

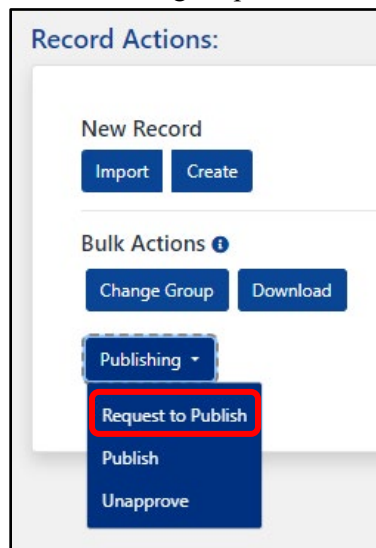
Publishing - NOAA Users

Note: *'Publishing' drop-down menu displays only if record group has associated WAF*
User with Editor role will see only 'Request to Publish' in 'Publishing' drop-down

Request to Publish

Once record is complete, submit a request to have it published

- Select 'Request to Publish' from Publishing drop-down



- Below 'Request to Publish' is a list of records eligible to be published
 - User may search for records by Content

Note: *Publishers are now automatically notified when a 'Request to Publish' has been made*

- To see overview of 'Request to Publish' function, click 'View Request to Publish Overview' button at top right of page

Home / Metadata Records List / Request to Publish

Publishers are not automatically notified when you make a request to publish. You will need to contact the publisher personally to make them aware there are records awaiting approval.

Select a Record Group: trainingCoMET/ Search content: Search

Request to Publish

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☐ View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST
☐ View	LHager_Test02	DRAFT	lori.hager	2023-01-10 12:57:26 EST	2023-01-10 12:57:26 EST

Select All Unselect All Request to Publish

View Request to Publish Overview

- To close message, click 'Close Request to Publish Overview' button

Request to Publish

Close Request to Publish Overview

Overview

This page displays records that are in the DRAFT state that editors can select and request to publish. A request to publish will change the record's edit state from DRAFT to IN_REVIEW. Records with the edit state of IN_REVIEW are reviewed by someone with the publisher role for final publishing approval.

Please review CoMET workflows here or contact us via email at ncei.collection-manager.support@noaa.gov if you have questions about publishing workflows.

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☐ View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST
☐ View	LHager_Test02	DRAFT	lori.hager	2023-01-10 12:57:26 EST	2023-01-10 12:57:26 EST

Select All Unselect All Request to Publish

- Check box(es) next to record(s) to be published
- Click 'Request to Publish'

Home / Metadata Records List / Request to Publish

Publishers are not automatically notified when you make a request to publish. You will need to contact the publisher personally to make them aware there are records awaiting approval.

Select a Record Group: trainingCoMET/ Search content: Search

Request to Publish

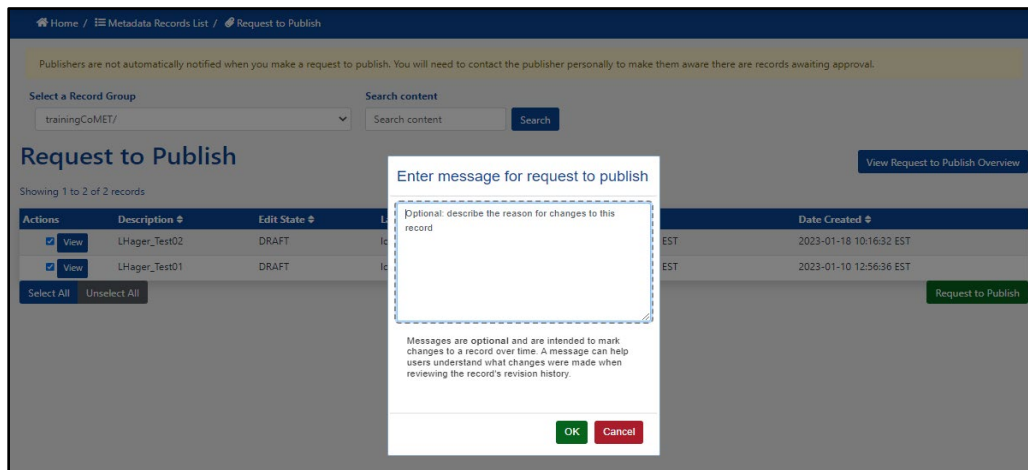
View Request to Publish Overview

Showing 1 to 2 of 2 records

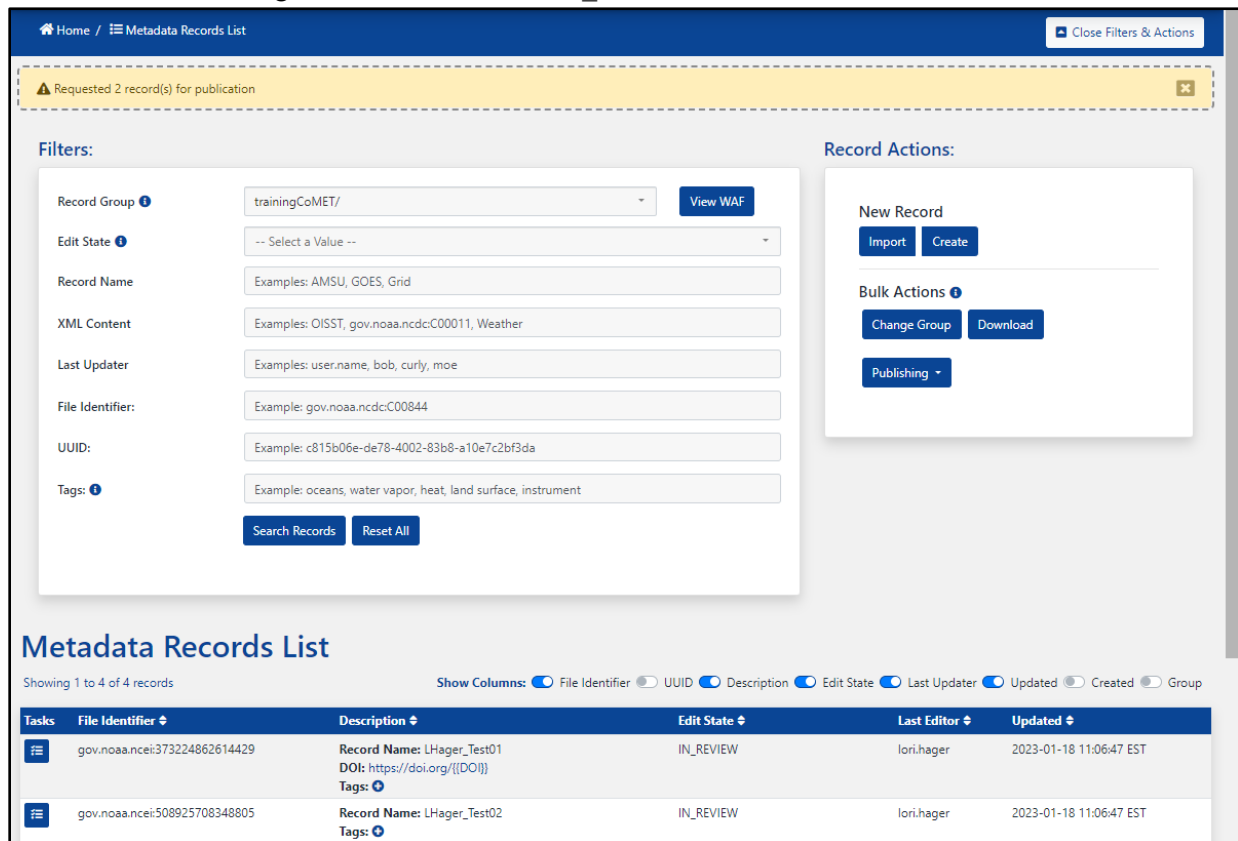
Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☒ View	LHager_Test02	DRAFT	lori.hager	2023-01-18 10:16:32 EST	2023-01-18 10:16:32 EST
☒ View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST

Select All Unselect All Request to Publish

- Pop-up box requests ‘Enter message for request to publish’
 - Comment is optional but strongly recommended
- Click ‘OK’



- Message appears ‘Requested (#) record(s) for publication’
- Metadata Records page reloads
- Edit State changed from ‘DRAFT’ to ‘IN_REVIEW’



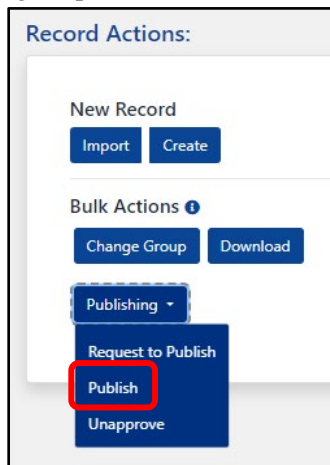
***Note: When a Request to Publish has been created, Edit State changes to IN_REVIEW
Publishers and Group Managers receive email notification of request***

Publish

Note: Action available only to Publisher and Group Manager user roles

Publish record(s)

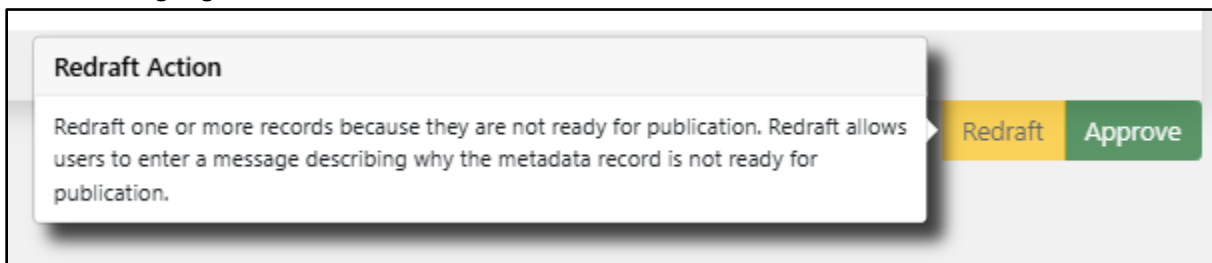
- Select 'Publish' from Publishing drop-down



- Records eligible to be published or republished are displayed

Note: Read warning in yellow message box about publishing from external sources

- For information about 'Redraft' and 'Approve', hover over their respective action buttons
 - At least one record box must be checked below 'Actions' heading (on left) for buttons to highlight and be clickable



- To approve publishing one or more records in Publishable Record List, check box(es) next to record(s)
 - Click green ‘Approve’ button

Home / Metadata Records List / Publishable

⚠️ If you are using an external source of record such as an external file server or git workflow, publishing records from CoMET could result in metadata updates being lost!
Publishing metadata out of CoMET means the metadata is written to a Web Accessible Folder. Please review CoMET workflows [here](#) or contact us via email with any questions ncel.collection-manager.support@noaa.gov.

Select a Record Group: test/ Search content: Search

Publishable Record List

Showing 1 to 4 of 4 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☒ View	H8_Test	IN_REVIEW	lori.hager@noaa.gov	2025-04-15 15:55:00 UTC	2024-11-12 17:41:58 UTC
☒ View	LoriC00021	IN_REVIEW	lori.hager	2023-08-11 15:30:49 UTC	2022-03-22 15:33:35 UTC
☒ View	test record	ONESTOP_PUBLISH_FAILED	martin.aubrey	2022-07-13 11:37:05 UTC	2022-03-22 16:19:25 UTC
☐ View	Test Record	ONESTOP_PUBLISH_FAILED	martin.aubrey	2022-07-13 11:37:05 UTC	2022-03-10 11:36:10 UTC

Select All Unselect All Redra **Approve**

Approve all

Approve All

⚠️ This action ignores the records listed in the above table and approves all records within a group except those with the edit state TEMPLATE.

- To approve publishing all records in a record group, **regardless of record’s edit state**, click red ‘Approve All’ button

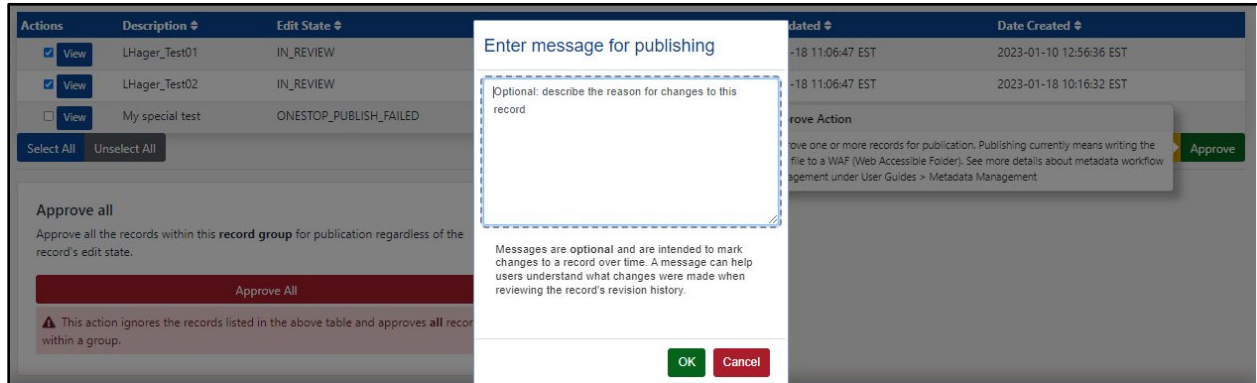
Approve all

Approve all the records within this **record group** for publication regardless of the record's edit state.

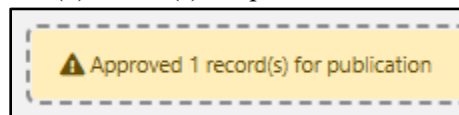
Approve All

⚠️ This action ignores the records listed in the above table and approves **all records within a group.**

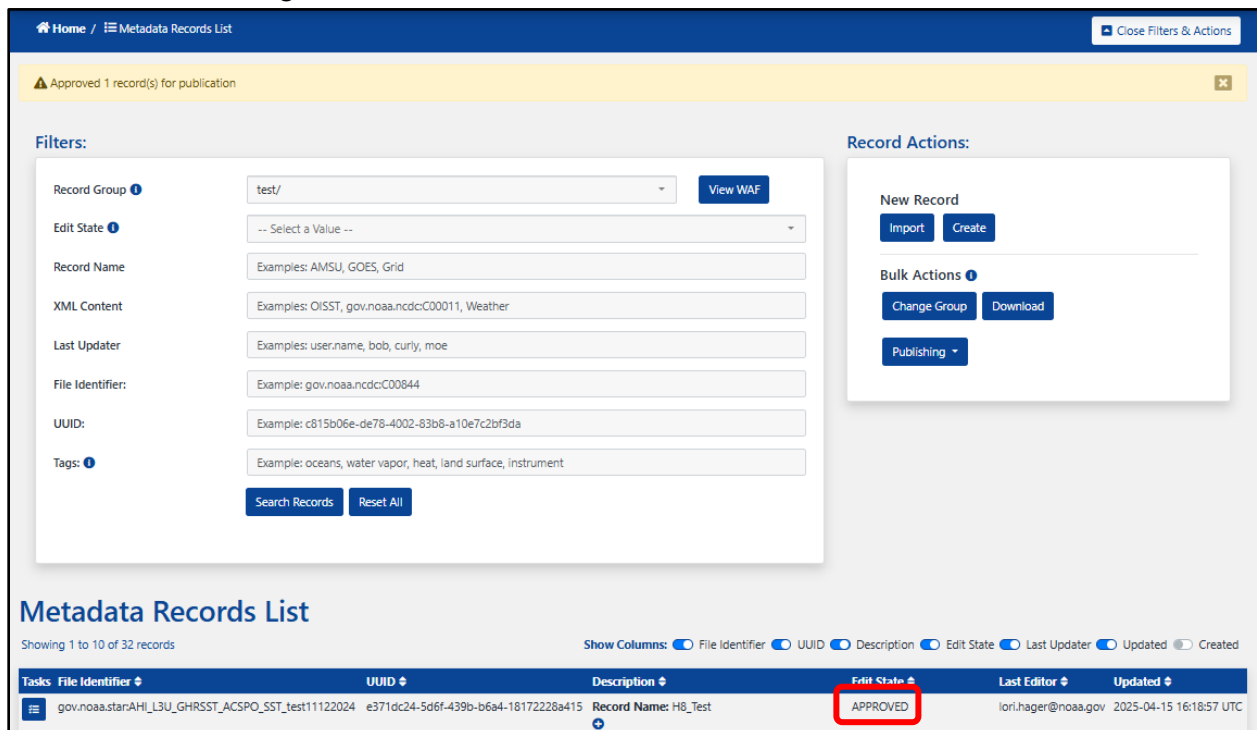
- Pop-up box requests ‘Enter message for publishing’
 - Comment is optional but strongly recommended
- Click ‘OK’



- Message appears ‘Approved (#) record(s) for publication’



- Metadata Records page reloads
- Edit State changed to ‘APPROVED’



- After a few minutes page refreshes
 - If ISO data is valid, Edit State changes from ‘APPROVED’ to ‘WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS’

Metadata Records List						
Showing 1 to 10 of 454 records						
Show Columns: ☒ File Identifier ☒ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group						
Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ncdc:C00035	5bddc359-d076-4614-8ee5-6eae5b8677c9	Record Name: gov.noaa.ncdc:C00035	WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS	cedit.admin	2024-02-08 00:15:50 UTC

- If ISO data is not valid, Edit State changes from ‘APPROVED’ to ‘INVALID’

Metadata Records List						
Showing 1 to 4 of 4 records						
Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group						
Tasks	File Identifier	Description	Edit State	Last Editor	Updated	
	gov.noaa.ncdc:8362008327104595	Record Name: LHager_Test02 Tags:	INVALID	lori.hager	2023-01-18 12:58:19 EST	

- Once data is corrected, record may be resubmitted for publishing

Redraft

Change Edit Status from ‘IN_REVIEW’ back to ‘DRAFT’

- Select ‘Publish’ from Publishing drop-down

Record Actions:

New Record

Import
Create

Bulk Actions

Change Group
Download

Publishing

Request to Publish
Publish
Unapprove

- Records eligible to be published or republished are displayed

Publishable Record List [View Publishing Overview](#)

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☐ View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
☐ View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

[Select All](#) [Unselect All](#) [Redraft](#) [Approve](#)

Approve all

Approve all the records within this **record group** for publication regardless of the record's edit state.

[Approve All](#)

⚠ This action ignores the records listed in the above table and approves all records within a group.

- Check box(es) next to record(s) to whose Edit Status is to be changed back to 'DRAFT'
- Click 'Redraft'

Publishable Record List [View Publishing Overview](#)

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☒ View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
☐ View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

[Select All](#) [Unselect All](#) [Redraft](#) [Approve](#)

- Pop-up box requests 'Enter message for publishing'
 - Comment is optional but strongly recommended
- Click 'OK'

Publishable Record List [View Publishing Overview](#)

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☒ View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
☐ View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

[Select All](#) [Unselect All](#) [Redraft](#) [Approve](#)

Enter message for publishing

Optional: describe the reason for changes to this record

Messages are optional and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history.

[OK](#) [Cancel](#)

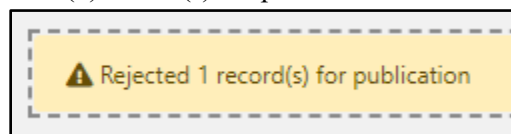
Approve all

Approve all the records within this **record group** for publication regardless of record's edit state.

[Approve All](#)

⚠ This action ignores the records listed in the above table and approves all records within a group.

- Message appears 'Rejected (#) record(s) for publication'



- Metadata Records page reloads
- Edit State changed from 'IN_REVIEW' back to 'DRAFT'

Metadata Records List					
Showing 1 to 6 of 6 records		Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group			
Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:047413392927399	Record Name: LHager_Test 3 Tags: 	DRAFT	lori.hager	2023-01-19 13:12:18 EST

Note: Publisher must notify Editor that record was rejected for publication

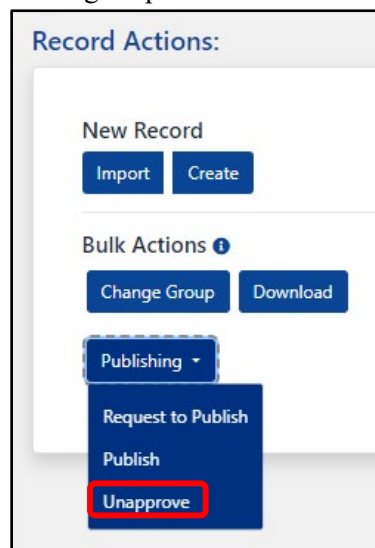
Unapprove

Note: Action available only to Publisher and Group Manager user roles

If, within a few minutes of approving a record to be published, publisher decides it should not be published, they may 'Unapprove' a record

Unapprove record(s)

- Select 'Unapprove' from Publishing drop-down



- Only records with Edit State of 'APPROVED' will display on 'Unapprove Record List'

Note: For information about Unapprove function, read message in yellow box

- Check box(es) next to record(s) to be unapproved
- Click ‘Unapprove’

Home / Metadata Records List / Unapprove

Unapproving records already published or consumed by external systems outside of the CoMET database -- such as the WAF fileserver, OSIM, data.gov, etc -- does not remove the record from these external systems. Unapproving records only changes the edit state in CoMET to DRAFT.

Select a Record Group: trainingCoMET/ Search content: Search

Unapprove Record List

Showing 1 of 1 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☐ View	LHager_Test02	APPROVED	lori.hager	2023-01-18 12:30:55 EST	2023-01-18 12:30:15 EST

Select All Unselect All Unapprove

- Pop-up box requests ‘Enter a reason for denying publication’
 - Comment is optional but strongly recommended
- Click ‘OK’

Home / Metadata Records List / Unapprove

Unapproving records already published or consumed by external systems outside of the CoMET database -- such as the WAF fileserver, OSIM, data.gov, etc -- does not remove the record from these external systems. Unapproving records only changes the edit state in CoMET to DRAFT.

Select a Record Group: trainingCoMET/ Search content: Search

Unapprove Record List

Showing 1 of 1 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
☒ View	LHager_Test02	APPROVED	lori.hager	2023-01-18 12:30:55 EST	2023-01-18 12:30:15 EST

Select All Unselect All Unapprove

Enter a reason for denying publication

Optional: describe the reason for denying publication of this record

Messages are optional and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history.

OK Cancel

- Message appears ‘Formcontent record(s) edit state changed to DRAFT successfully!’

▲ Formcontent record(s) edit state changed to DRAFT successfully!

- Metadata Records page reloads
 - Edit State changed to 'DRAFT'

The screenshot displays the 'Metadata Records List' page. At the top, a green notification bar states: 'Formcontent record(s) edit state changed to DRAFT successfully!'. Below this, the 'Filters' section includes input fields for Record Group (set to 'trainingCoMET/'), Edit State (set to '-- Select a Value --'), Record Name, XML Content, Last Updater, File Identifier, UUID, and Tags. A 'View WAF' button is next to the Record Group field. To the right, the 'Record Actions' section contains buttons for 'New Record' (Import, Create), 'Bulk Actions' (Change Group, Download), and a 'Publishing' dropdown. The main section, 'Metadata Records List', shows 'Showing 1 to 4 of 4 records'. A 'Show Columns' bar allows toggling visibility for File Identifier, UUID, Description, Edit State, Last Updater, Updated, Created, and Group. Below this is a table with one visible record:

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:8362008327104595	Record Name: LHager_Test02 Tags:	DRAFT	lori.hager	2023-01-18 12:32:20 EST

Publishing - External Users

Note: *External Users cannot publish metadata themselves*

External Users cannot be a member of a publishable record group (group has associated WAF)

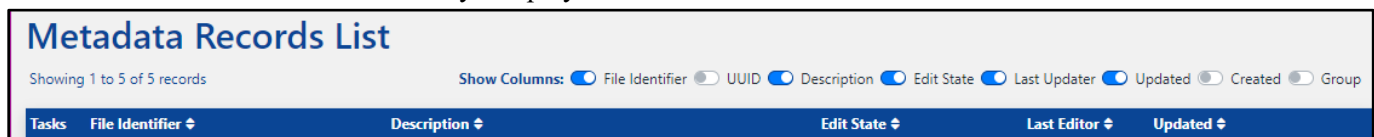
- External users must work with approved NOAA representative (data manager) to submit Metadata for publishing
 - NOAA representative may contact external user about records submitted to NOAA, e.g., via Send2NCEI or ATRAC
 - Relationship between Data Manager and Data Provider is established outside of CoMET
- Record Group Manager (External User) must give access to their record group containing metadata to be published to a NOAA Group Manager
 - NOAA Group Manager reviews and then moves External User's record to a record group with appropriate associated WAF
 - NOAA Group Manager or NOAA Publisher publishes External User's record

Unpublish Record

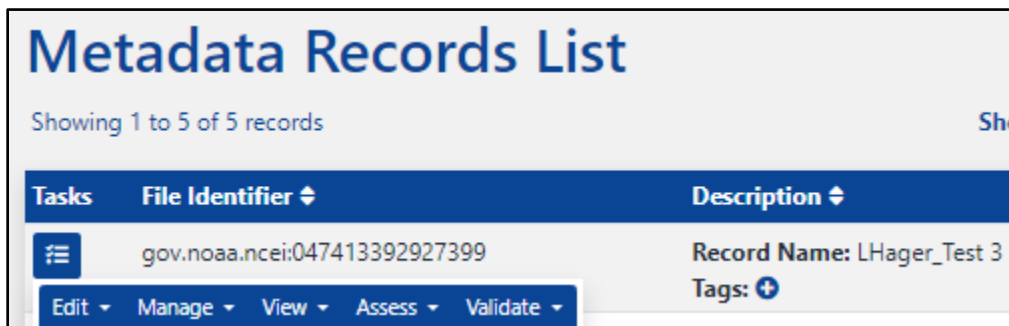
- To Unpublish a record, user will Delete it
- See [Delete Record](#)

Metadata Records List

- Metadata Records List is a table that meets all filtered requirements and allows various actions to be performed on each record
- User may select which columns to display
 - Column titles list is to right of 'Show Columns'
 - Titles with blue buttons are displayed and titles with gray buttons are not
 - Users may toggle buttons to show desired columns for records
 - User clicks buttons to change columns to be displayed
 - 'Tasks' is always displayed



- To perform actions on a record, click task icon in 'Tasks' column for appropriate record
 - To close Tasks list, click on task icon



- [Edit](#)
 - Make changes to record data
- [Manage](#)
 - Replace File, create copies of records, review a record's revision history, make templates, and delete records
- [View](#)
 - Displays data in various formats
- [Assess](#)
 - Confirms ISO and NOAA compliance
- [Validate](#)
 - Validates data against ISO standard

Edit

Data Management Plan (DMP)

- In development

Data Stewardship Maturity Questionnaire (DSMQ)

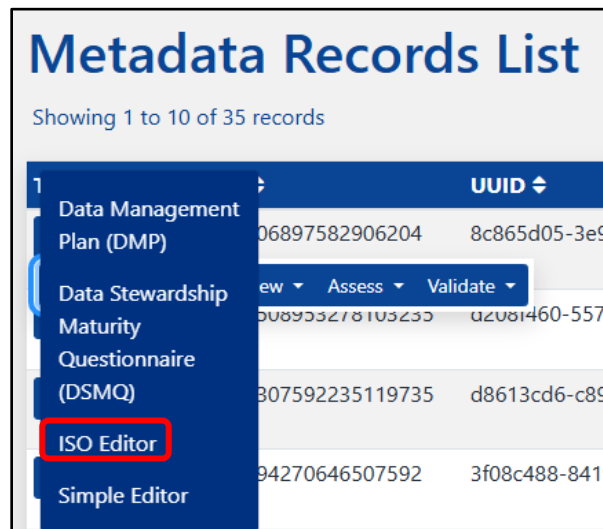
- See [DSMQ](#) Edit instructions

ISO Editor

Note: When Editing a record, if ‘No, use blank’ was selected when the record was initially created, and user did not enter data into all of Required fields, user receives a ‘Validation Failure’ message and cannot Save record again until missing required data is entered

If ‘Yes, populate with the NCEI template’ was selected when record was initially created, user does not receive a ‘Validation Failure’ message, at all. User must still add missing data but they are not reminded of that by program

- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from Tasks column
 - Select ‘ISO Editor’



- Record opens in new tab
- Edit metadata, as desired
 - [Insert Docucomp components](#), as needed

If ‘No, use blank’ was selected when record initially created, and data is missing from Description tab, ‘Collection Description’ or ‘Purpose’ OR data is missing from Data Citation tab, ‘Title’

- Receive ‘Validation Failure: value missing’ message
- ‘Extract and View Errors’ button will appear in top right corner

The screenshot shows the 'Editing Record: LHager_Test 33' interface. At the top, a navigation bar includes tabs for Identification, Keywords, Access, Coverage, Content, History, Quality, Metadata, and Resources. A 'Guided Mode' button with a 'Beta' badge is also present. On the right, there are buttons for 'View', 'Assess', 'Validate', 'Save', and 'Exit'. A red button labeled 'Extract and View Errors' is located in the top right corner. Below the navigation bar, a pink error message box states: 'The following data values are either required by COMET, or not currently supported in this product version. You may need to select or fill out a value. Go to the values described in the path and update them using the interface or contact support. ncei.collection-manager.support@noaa.gov'. The error list includes: 'identification > pointOfContact > 1 > organisation > name | Validation Failure: value missing', 'identification > topicCategory > 1 | Validation Failure: value missing', 'keywords > 1 > keyword > 1 | Validation Failure: value missing', 'coverage > extent > 1 > geographicBoundingBox > 1 > west | Validation Failure: value missing', 'coverage > extent > 1 > geographicBoundingBox > 1 > east | Validation Failure: value missing', 'coverage > extent > 1 > geographicBoundingBox > 1 > south | Validation Failure: value missing', 'coverage > extent > 1 > geographicBoundingBox > 1 > north | Validation Failure: value missing', and 'metadata > contact > organisation > name | Validation Failure: value missing'. Below the error message, the 'Internal COMET Record Name (required)' field is filled with 'LHager_Test 33'. The 'Identification' tab is selected, showing a sub-tab bar with 'Description', 'Data Citation', 'Resource Hierarchy', 'Point of Contact', 'Status', 'Topic Category', 'Browse Graphic', and 'Credit'. The 'Collection Description (required)' field is visible, with a placeholder text 'Lorem ipsum' and an 'Enter Values' button.

Extract and View Errors

- Click ‘Extract and View Errors’ in top right corner

This close-up shows the top right corner of the interface. It includes the 'Guided Mode' button with a 'Beta' badge, the 'View', 'Assess', and 'Validate' buttons, and the 'Save' and 'Exit' buttons. The 'Extract and View Errors' button is highlighted in red and is located below the other buttons.

- Fields with errors are displayed
- First error is in Identification category (identification), Point of Contact sub-category (pointOfContact), 1 error (1), Organization field (organization), Organization Name (name), and what is wrong - value is missing

The screenshot shows the 'Editing Record: LHager_Test 33' interface. At the top, a navigation bar includes tabs for Identification, Keywords, Access, Coverage, Content, History, Quality, Metadata, and Resources. A 'Guided Mode Beta' button and a 'View' dropdown are also present. A red banner at the top right contains the text 'Extract and View Errors'. Below this, a pink box displays a list of validation failures:

The following data values are either required by COMET, or not currently supported in this product version. You may need to select or fill out a value. Go to the values described in the path and update them using the interface or contact support.

ncei.collection-manager.support@noaa.gov

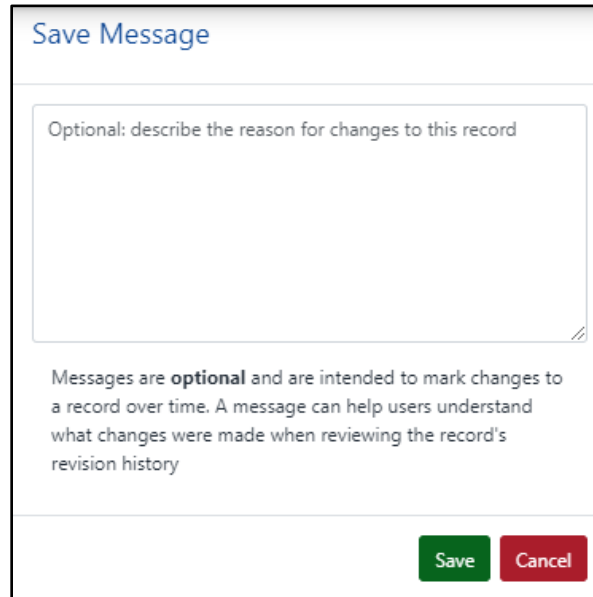
- identification > pointOfContact > 1 > organisation > name | Validation Failure: value missing
- identification > topicCategory > 1 | Validation Failure: value missing
- keywords > 1 > keyword > 1 | Validation Failure: value missing
- coverage > extent > 1 > geographicBoundingBox > 1 > west | Validation Failure: value missing
- coverage > extent > 1 > geographicBoundingBox > 1 > east | Validation Failure: value missing
- coverage > extent > 1 > geographicBoundingBox > 1 > south | Validation Failure: value missing
- coverage > extent > 1 > geographicBoundingBox > 1 > north | Validation Failure: value missing
- metadata > contact > organisation > name | Validation Failure: value missing

The main form area is titled 'Internal COMET Record Name (required)' and shows 'LHager_Test 33'. The 'Identification' tab is active, and the 'Point of Contact' sub-tab is selected. Under 'Point of Contact', there is a 'Contact 1' section. Within this section, the 'Individual' role is selected. The 'Name' field is highlighted in yellow, indicating an error. The 'Organization' section is also visible, with the 'Organization Name' field highlighted in pink, indicating an error. At the bottom right, there are buttons for 'View/Edit Orphaned Data', 'View @xml Fields', and a red 'Close Errors' button.

- Enter missing data
- Once all errors are fixed, click 'Close Errors'

This image shows a close-up of the 'Close Errors' button. It is a red button with white text, located at the bottom right of the interface. Above it are buttons for 'Guided Mode Beta', 'View', 'Assess', 'Validate', 'Save', and 'Exit'.

- Editing Record page reloads
 - Make further edits, as necessary
- Click 'Save'
 - Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



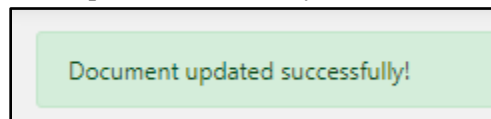
Save Message

Optional: describe the reason for changes to this record

Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history

Save Cancel

- Message appears 'Document updated successfully'



- Editing Record page reloads
- **If 'Yes, populate with the NCEI template' was selected when record initially created, and data is missing from Description tab, 'Collection Description' or 'Purpose' OR data is missing from Data Citation tab, 'Title'**
 - Will not receive 'Validation Failure: value missing' message and 'Extract and View Errors' button will not appear

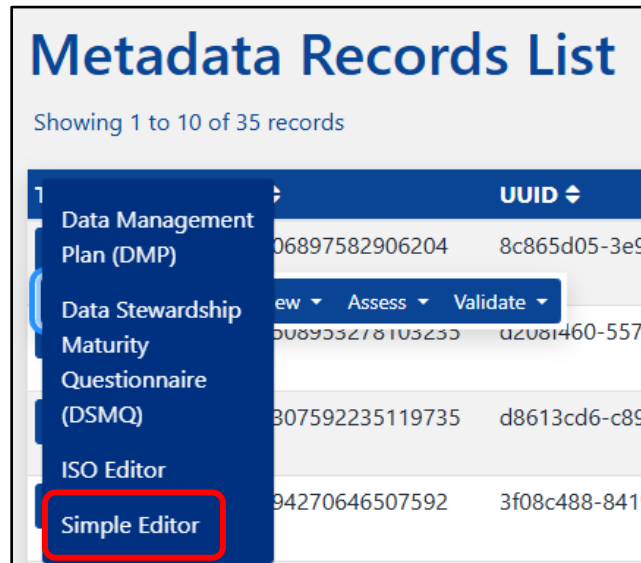
***Note: No error messages or alerts are given if required data is not present in record
User must confirm all data has been entered***

Collaborative Editing

- Editors can edit only records within Record Groups to which they belong
- Records cannot be accessed by more than one editor at a time
- For 30 minutes after a record is saved, it becomes locked and cannot be accessed by another user
 - User who saved record may access it again without having to wait 30-minute time limit

Simple Editor

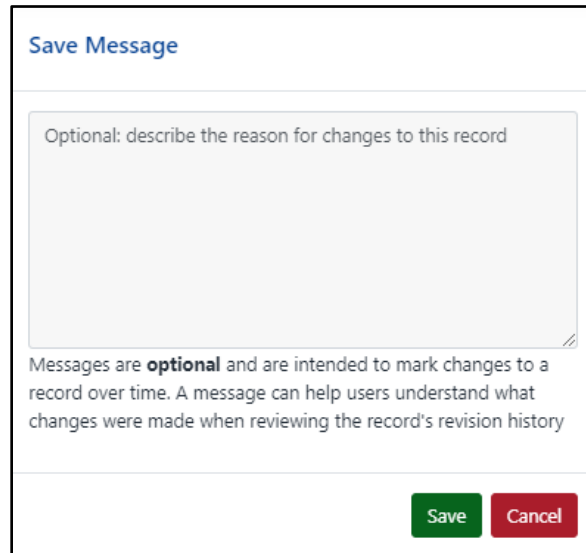
- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from Tasks column
 - Select 'Simple Editor'



- Record opens in new tab
- Edit metadata as desired
- Click 'Save' button at top right of page OR Save icon at bottom right of page

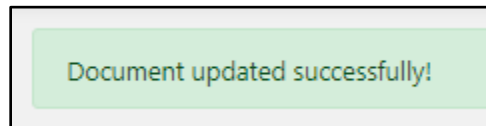


- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



The image shows a 'Save Message' dialog box. At the top, the title 'Save Message' is in blue. Below it is a light gray text area with the placeholder text 'Optional: describe the reason for changes to this record'. Underneath the text area is a paragraph of explanatory text: 'Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history'. At the bottom right of the dialog are two buttons: a green 'Save' button and a red 'Cancel' button.

- Message appears 'Document updated successfully'



- Editing Record page reloads

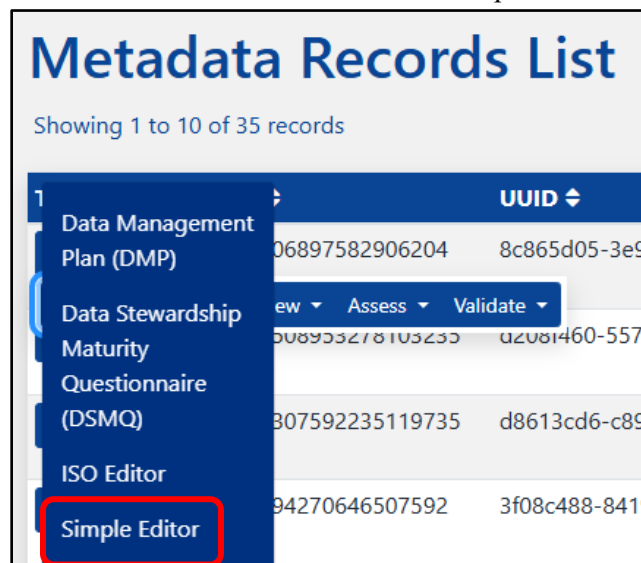
Docucomp Components

Docucomp manages reusable components (pieces of ISO XML) referenced by URLs within collection records, enabling many collections to use the same component, thereby increasing consistency and decreasing maintenance effort; also supports vocabulary services

Insert Components into CoMET's ISO Editor

Note:

- *There are many areas in CoMET's records where Docucomp Xlinks can be used*
 - *CoMET does not resolve Xlinks*
 - *ISO Editor cannot tell if component is inserted into appropriate field, user must verify*
 - *Xlink will not resolve in published record if incorrect component is inserted or incorrect field is selected*
- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from its row
 - Components can be inserted via 'ISO Editor' and 'Simple Editor'



- Record opens in new tab
- Navigate to tab and field that corresponds to component

Note: Example shows how to insert a Point of Contact Xlink

- Click 'Point of Contact' tab
 - Click '+Contact'

The screenshot shows the 'Editing Record' page for the record ID 'gov.noaa.nodc:0237900'. The 'Point of Contact' tab is active. Below the tab, there is a '+Contact' button. The 'Internal COMET Record Name' field is visible with the value 'gov.noaa.nodc:0237900'.

- In the drop-down box next to 'Contact 2' select 'Use Xlink w/ Role'

The screenshot shows the 'Point of Contact' section. There are two contact entries: 'Contact 1' and 'Contact 2'. A dropdown menu is open for 'Contact 2', showing three options: 'Enter Values', 'Enter Values', and 'Use Xlink w/ Role'. The 'Use Xlink w/ Role' option is highlighted.

- In @xlink:href field, begin typing component name or paste a hyperlink in field

The screenshot shows the '@xlink:href' field for 'Contact 2'. The field is labeled '@xlink:href (required)'. A dropdown menu is open below the field, showing the text 'Start typing to get a suggested list or paste a hyperlink here'.

- Select correct component from autocomplete drop-down list

Editing Record: gov.noaa.nodc:0237900 Content Evaluator Off

Internal COMET Record Name (required)
gov.noaa.nodc:0237900

Identification JSON Fields Info

Description: Data Citation Resource Hierarchy **Point of Contact** Status Topic Category Browse Graphic

Point of Contact + Contact All

Contact 1
Contact 2

Contact 2 Use Xlink w/ Role

JSON Fields Info

@xlink:href (required)

Start typing to get a suggested list or paste a hyperlink here

- Anchor Test
<https://data.noaa.gov/docucomp/7f17924c-398f-4f26-a14a-4579687d78e4>
- Andreas Teske - principalInvestigator
<https://data.noaa.gov/docucomp/475de1d0-83a8-43fa-a348-bdcb68477871>
- BRIEF test d2b1daef-703a-4cd4-a0e5-39245fff299d
<https://data.noaa.gov/docucomp/d2b1daef-703a-4cd4-a0e5-39245fff299d>
- Calibration Procedures and Instrumental Accuracy Estimates of ATLAS Air Temperature and Relative Humidity Measurements MD_AggregateInformation
<https://data.noaa.gov/docucomp/9b664a7e-5141-c0e3-e040-0ac8c58b43ad>

- In @xlink:title field, enter Component Name

Point of Contact + Contact All

Contact 1
Contact 2

Contact 2 Use Xlink w/ Role

JSON Fields Info

@xlink:href (required)

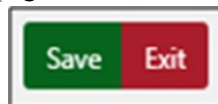
<https://data.noaa.gov/docucomp/7f17924c-398f-4f26-a14a-4579687d78e4>

@xlink:title

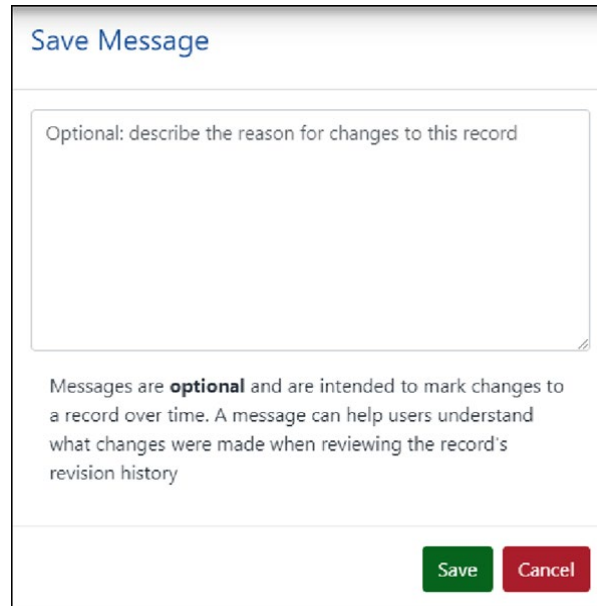
test 1

Remove Contact Add Contact Up Arrow

- Click 'Save' button at top right of page

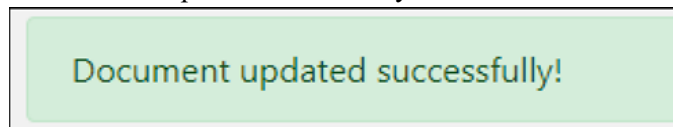


- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History
- Click 'Save'



The image shows a 'Save Message' dialog box. At the top, the title 'Save Message' is displayed in blue. Below the title is a large text area with a placeholder text 'Optional: describe the reason for changes to this record'. Below the text area, there is a paragraph of explanatory text: 'Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history'. At the bottom right of the dialog, there are two buttons: a green 'Save' button and a red 'Cancel' button.

- Message appears 'Document updated successfully!'

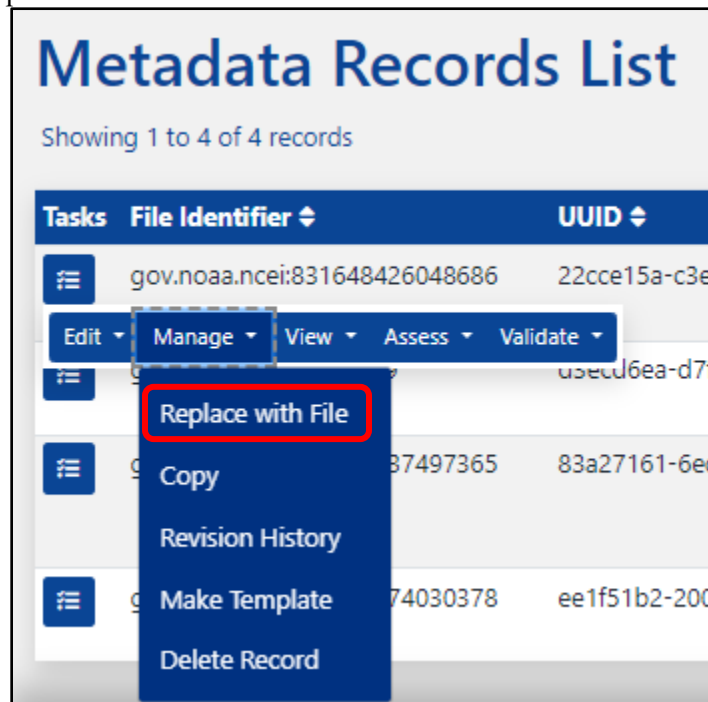


Note: User may [View Components in XML](#)

Manage

Replace with File

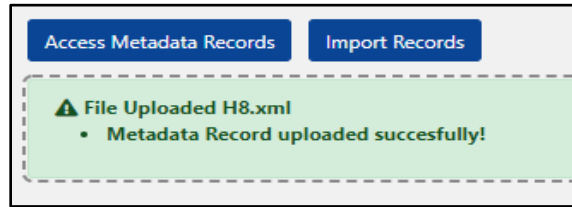
- To push changes to an already existing record
- On Metadata Records List panel, locate record to be replaced and select 'Manage' drop-down from Tasks column
 - Select 'Replace with File'



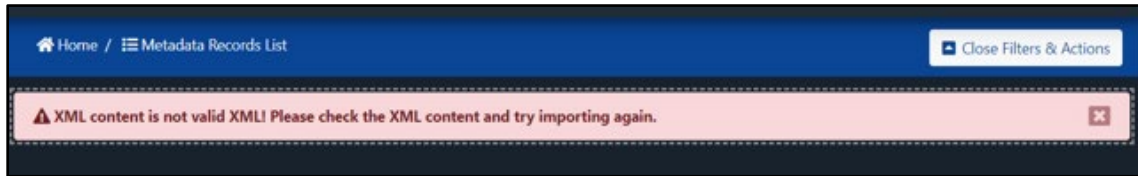
- Either click 'Choose Files' or enter a URL to select replacement file
- Click 'Import'

The screenshot shows the 'Update Record' form. It has a section 'Upload your XML File Here' with a 'Choose Files' button and a file list showing 'H8.xml'. There is a 'Clear Files' button. Below this is a section 'Or provide a URL to remote XML file here:' with a text input field. Further down is a section 'Internal CoMET Record Name: This field defaults to the previous record name if updating only one file.' with a text input field containing 'LHager_Test 34'. Below that is a section 'Select the record format for import' with a dropdown menu showing 'ISO 19115-2 XML'. At the bottom is a large green 'Import' button.

- Get message ‘File Uploaded [File Name] Metadata Record uploaded successfully!’



- If XML is not valid, receive error message
 - Check XML and try importing again

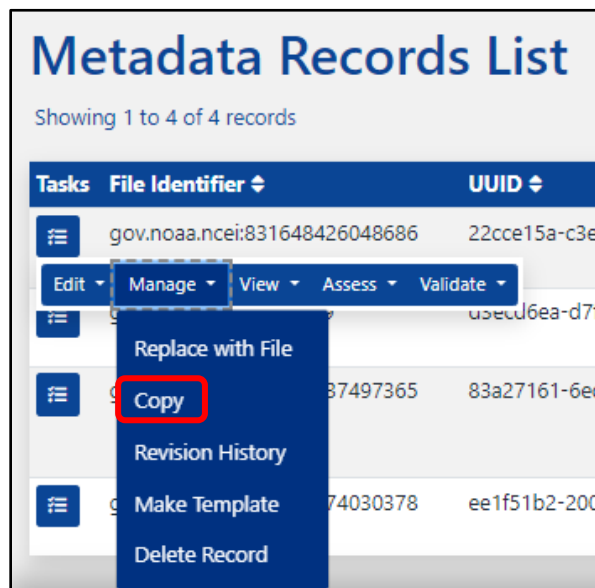


Copy

- If a new record is similar to an existing record, it may be more efficient to make a few changes to a copy
- Users can create templates for records with consistently similar information and copy them for each new record creation

Note: User may prefer to use ‘[Make Template](#)’ function instead

- Can use record in any Edit State - DRAFT, IN_REVIEW, or PUBLISH
- Edit State for copy will be DRAFT, regardless of original’s Edit State
- On Metadata Records List panel, locate record to be copied and select ‘Manage’ drop-down from Tasks column
 - Select ‘Copy’



- New tab opens
- From ‘Select Form’ drop-down, select ‘ISO Editor’ OR ‘Simple Editor’

Home / Metadata Records List / Choose Form: Create

Select a record group to copy, edit, view, import, or create a record.

Create a new record

Select a form

-- Select Form --

- Select Form --
- Data Management Plan
- Data Stewardship Maturity Questionnaire (DSMQ)
- ISO Editor
- Simple Editor

- Click ‘Create Record’

Create a new record

Select a form

ISO Editor

ISO Editor - use this form to create ISO 19115-2 metadata with the option to utilize NCEI Template

Create Record

- Identical record created
- Editing page for copy opens
- If form is to have a different title, change it in ‘Internal COMET Record Name’ field
- Once changes to record are complete, click ‘Save’

Identification Keywords Access Coverage Content History Quality Metadata Resources

Guided Mode Beta Save Exit

2 Editing Record: LHager_Test03

Content Evaluator On

Internal COMET Record Name (required)

LHager_Test03_copy

Identification JSON Fields

- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History

Save Message

Optional: describe the reason for changes to this record

Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history

Save

Cancel

- Message appears ‘New record . . . created successfully!’
- Metadata Records List page reloads

New record LHager_Test03_copy created successfully!

Metadata Records List

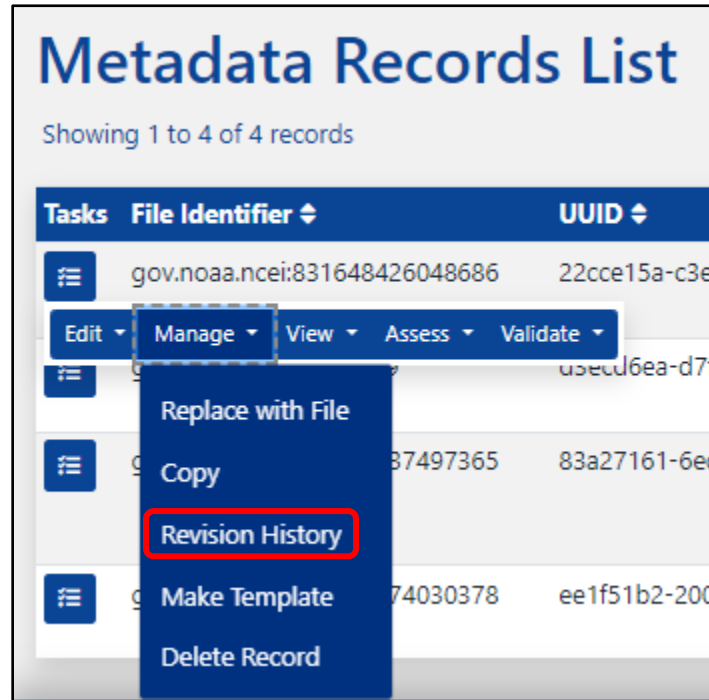
Showing 1 to 9 of 9 records

Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:274618880896005	Record Name: LHager_Test03_copy Tags:	DRAFT	lori.hager	2023-01-24 14:33:46 EST

Revision History

- On Metadata Records List panel, locate record and select 'Manage' drop-down from Tasks column
 - Select 'Revision History'



- Each time a record is saved, Date and Updater are noted
 - If a Message was saved, message is also displayed

LHager_Test Revision History				
Compare Versions		Showing 1 to 5 of 5 records		
Version	Date	Updater	Message	Action
☐	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
☐	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
☐	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
☐	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
☐	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

Compare Versions

- Check Version boxes of records to be compared
 - Clicking red 'X' in bottom right corner will deselect Version box(s)
- Click 'Compare Versions'

LHager_Test Revision History				
Compare Versions		Showing 1 to 5 of 5 records		
Version	Date	Updater	Message	Action
☒	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
☐	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
☐	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
☒	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
☐	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

- Below 'Version', numbers in left column refer to more recent version and numbers in right column refer to older version

Compare Versions	
LHager_Test Revision History	
Number of differences: 20 differences from 9 lines of code.	
Version (1422623) vs. (1422620)	
- 1	1 <?xml version="1.0" encoding="utf-8"?>
2	2 <feed>
3	3 xmlns:gmx="http://www.iso211.org/2005/gmx"
4	4 xmlns:geo="http://www.iso211.org/2005/geo"
- 5	4 xmlns:esv="http://www.iso211.org/2005/esv"
6	5 xmlns:xlink="http://www.w3.org/1999/xlink"
7	6 xmlns:gml="http://www.opengis.net/gml/3.2"
8	7 xmlns:gsx="http://www.iso211.org/2005/gsx"
9	8 xmlns:gsz="http://www.iso211.org/2005/gsz"
10	9 xmlns:gsa="http://www.iso211.org/2005/gsa"
11	10 xmlns:gsi="http://www.iso211.org/2005/gsi"
12	11 xmlns:gmi="http://www.iso211.org/2005/gmi"
13	12 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
14	13 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
- 15	14 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
16	15 xmlns:gsx="http://www.iso211.org/2005/gsx"
- 17	16 <content></content>
18	17 <orphan>
19	18 <import>
20	19 <standard>ISO 19115-2</standard>

- XML may be viewed from Revision History page
 - Below Action, click 'View XML'

LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
☐	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
☐	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
☐	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
☐	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
☐	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

- XML for selected version opens in new tab

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<formModel xmlns:gm="http://www.isotc211.org/2005/gm" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gmd="http://www.isotc211.org/2005/gmd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco">
  <content/>
  <orphan>
    <import>
      <standard>ISO 19115-2</standard>
    </import>
    <gmi:MI_Metadata xsi:schemaLocation="http://www.isotc211.org/2005/gmi http://data.noaa.gov/resources/iso19139/schema.xsd">
      <gmd:identificationInfo>
        <gmd:MD_DataIdentification/>
      </gmd:identificationInfo>
    </gmi:MI_Metadata>
  </orphan>
</formModel>
```

Undo a Change By Reverting To Prior Version

- Recall an earlier version and make it current version
 - On Revision History page, check appropriate Version box
 - Clicking red 'X' in bottom right corner will deselect Version box
 - Click its 'Revert' button

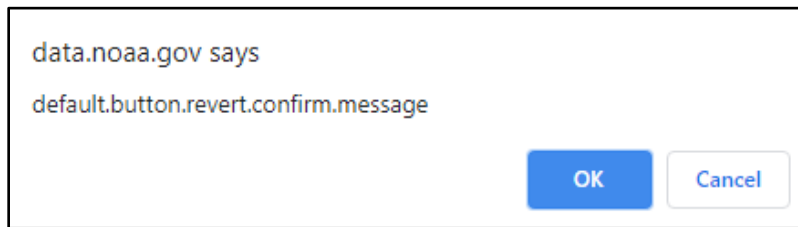
LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

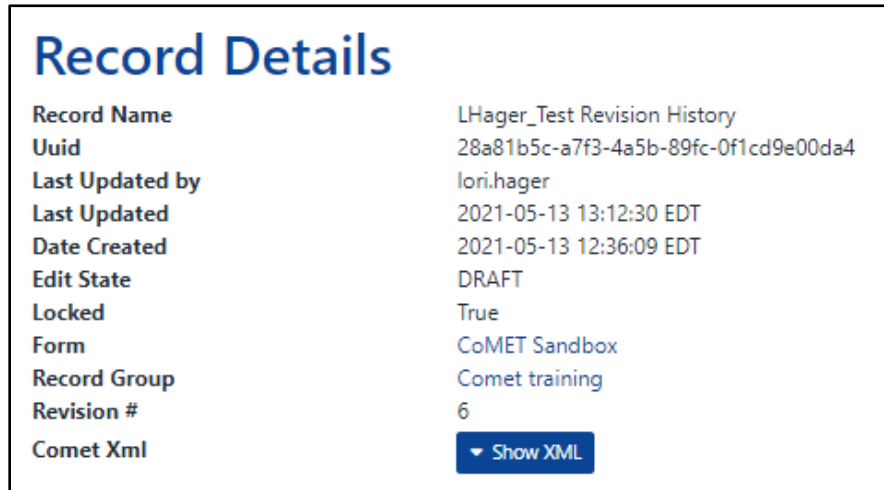
Version	Date	Updater	Message	Action
☐	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
☒	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
☐	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
☐	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
☐	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

[✕](#)

- Click 'OK'



- Page opens with Record Details



- Revision # is 6
 - Record had 5 versions
 - Version numbers were 1 through 5, with 5 being most recent (counting from bottom up)
 - Version 4 was recalled
 - Copy of version 4 became version 6
 - Next time record is edited, version 6 will be used

LHager_Test Revision History				
Compare Versions		Showing 1 to 6 of 6 records		
Version	Date	Updater	Message	Action
☐	2021-05-13 13:12:30.871	lori.hager		View XML
☐	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML Revert
☐	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
☐	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
☐	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
☐	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

Make Template

- If users are going to create records with consistently similar information, they can create a Template
 - ‘Make Template’ function is different from ‘Copy’ function
 - If template created from Make Template, Edit State will be TEMPLATE
 - If template created from Copy, Edit State will be DRAFT
 - Only records with Edit State of TEMPLATE will be ignored by Publish function APPROVE ALL

Note: ‘Make Template’ can be used on records with any Edit State

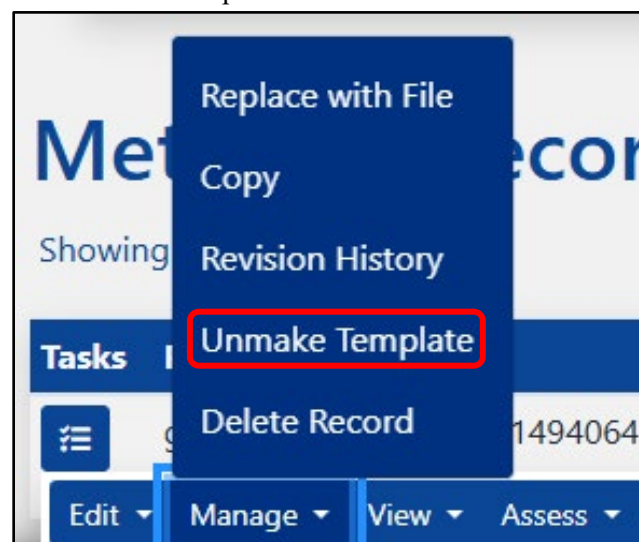
- On Metadata Records List panel, locate record to be changed to template and select 'Manage' drop-down from Tasks column
 - Select 'Make Template'



- Record's Edit State is changed to 'TEMPLATE'

Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:4403637149406405	59097ab9-6209-4822-8aac-a291cebc2655	Record Name: gov.noaa.nodc:0237899_Make Template Tags:	TEMPLATE	lori.hager	2023-06-29 15:03:33 EDT

- If a record was made a template in error, the edit state can be changed back to its previous edit state
 - On Metadata Records List panel, locate record to be changed and select 'Manage' drop-down from Tasks column
 - Select 'Unmake Template'



- Record's Edit State is changed back to prior Edit State

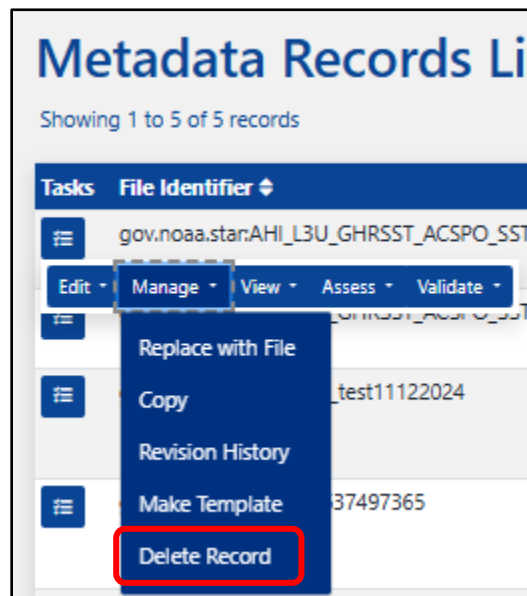
Tasks	File Identifier	UUID	Description	Edit State	Last Updater	Updated
	gov.noaa.ncei:4403637149406405	59097ab9-6209-4822-8aac-a291cebc2655	Record Name: gov.noaa.nodc:0237899_Make Template Tags: 	DRAFT	lori.hager	2026-06-17 22:00:54 UTC

Delete Record

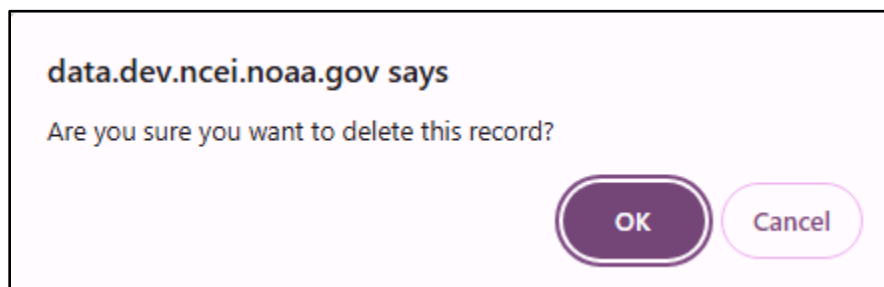
Note: Deleting a record removes it from its WAF and from OneStop/OSIM

Delete Record option not available for records with an edit state of WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS

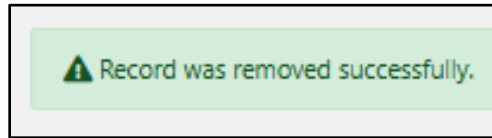
- On Metadata Records List panel, locate record to be deleted and select 'Manage' drop-down from Tasks column
 - Select 'Delete Record'



- Get confirmation message
 - Click 'OK'



- Get message ‘Record was removed successfully’



- Metadata Records List page reloads
- Edit State is WITHDRAWN

Metadata Records List			
Showing 1 to 10 of 33 records		Show Columns: ☒ File Identifier ☒ UUID ☒ Description ☒	
Tasks	File Identifier	UUID	Edit State
	gov.noaa.star:AH1_L3U_GHRSST_ACSP0_SST_test11202024	980107b4-f05d-4d62-ab66-f860ec96fe41	Record Name: H8_Test WITHDRAWN

Note: Records with an Edit State of WITHDRAWN cannot be published
Once record has been successfully removed from WAF and OneStop/OSIM its edit state changes to UNPUBLISHED

Metadata Records List			
Showing 1 of 1 records		Show Columns: ☒ File Identifier ☒ UUID ☒ Description ☒ Edit State ☐ Last Updater ☐ Updated ☐ Created ☐ Group	
Tasks	File Identifier	UUID	Edit State
	gov.noaa.ncei:Oyster_Cultch_Louisana	1f56675f-a8ad-4720-ad35-cf30b1fe5397	Record Name: LA Oyster Copy Record -- Deepwater Horizon Oil spill DOI: https://doi.org/ Tags:

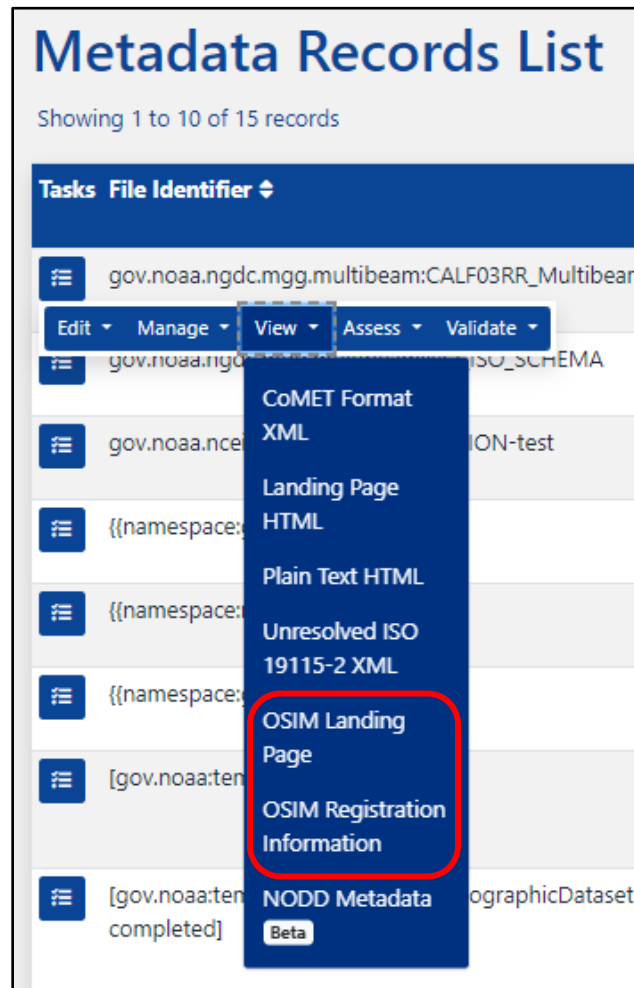
If any edits are made to UNPUBLISHED record, its edit state will change to DRAFT and record may be published

View

Contents of record may be viewed in various ways

- On Metadata Records List panel, locate record to be viewed and select 'View' drop-down from Tasks column

Note: 'OSIM Landing Page' and 'OSIM Registration Information' on drop-down only if record's edit state is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS'



CoMET Format XML

Internal format-neutral representation of descriptive information about the collection, includes related DMP and DSMQ information

Example:

```
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<formModel xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identification>
    <hierarchyLevel>dataset</hierarchyLevel>
    <citation>
      <title>NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE</title>
      <edition>Validated</edition>
      <alternateTitle>JPSS-SC-NDE</alternateTitle>
      <date>
        <type>publication</type>
        <value>2017-07-06</value>
      </date>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code xlink:href="https://doi.org/10.7289/V5M043M4" xlink:title="DOI" xlink:actuate="onRequest">doi:10.7289/V5M043M4</code>
      </identifier>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code>gov.noaa.ncdc:C01436</code>
      </identifier>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code>gov.noaa.class:VIIRS_SC</code>
      </identifier>
      <responsibleParty>
        <role>publisher</role>
        <organisation>
          <name>NOAA National Centers for Environmental Information</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Romanov, Peter</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>author</role>
        <individual>
          <name>Romanov, Peter</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Key, Jeffrey</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>author</role>
        <individual>
          <name>Key, Jeffrey</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Helfrich, Sean</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
    </citation>
  </identification>
</formModel>
```

Landing Page HTML

HTML rendering of unresolved metadata content and how it will look on NCEI's Geoportal

- Xlinks are not resolved in this view

Example:

**NOAA** NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



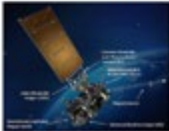
Home Climate Information Data Access Customer Support Contact About

Search

Home > Catalog > Dataset Overview

NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data

SUVI-INST-CAL-ENG



GOES-R satellite illustration

The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space

[Dataset Citation](#)

[Dataset Identifiers](#)

[ISO 19115-2 Metadata](#)

[Show more...](#)

Access	Time & Location	Documentation	Description	Credit	Keywords	Constraints	Lineage
Order Data	NOAA Comprehensive Large Array-data Stewardship System (CLASS) Data Search and Order (order) Search the data archive and submit an order for the dataset via the interface						
Distribution Formats	• netCDF (Version: 4)						
Distributor	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov						
Dataset Point of Contact	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov						

Last Modified: 2021-02-04

For questions about the information on this page, please email: ncei.orders@noaa.gov



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Department of Commerce > NOAA > NESDIS > NCEI

Plain Text HTML

Plain text rendering of unresolved metadata content, which may include elements not presented on Landing Page HTML

Example:

referenceSystemInfo identificationInfo contentInfo distributionInfo dataQualityInfo dataQualityInfo dataQualityInfo metadataMaintenance
NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE (MI_Metadata) fileIdentifier: gov.noaa.ncdc:C01436 language: eng; USA characterSet: (MD_CharacterSetCode) utf8 hierarchyLevel: (MD_ScopeCode) dataset contact: (CI_ResponsibleParty) organisationName: DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce positionName: ISO 19115 Metadata Contact contactInfo: (CI_Contact) phone: (CI_Telephone) voice: 1-828-271-4800 facsimile: 1-828-271-4876 address: (CI_Address) deliveryPoint: 151 Patton Avenue deliveryPoint: Veach-Baley Federal Building, Room 468 city: Asheville administrativeArea: NC postalCode: 28801-5001 country: USA electronicMailAddress: ncei.orders@noaa.gov onlineResource: (CI_OnlineResource) linkage: https://www.ncei.noaa.gov protocol: HTTPS applicationProfile: Web Browser name: NOAA National Centers for Environmental Information (NCEI) description: NCEI home page with information, data access and contact information. function: (CI_OnlineFunctionCode) information hoursOfService: 8:00 - 6:00 Eastern role: (CI_RoleCode) pointOfContact dateStamp: 2019-05-29 metadataStandardName: ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data metadataStandardVersion: ISO 19115-2:2009(E) return to top
referenceSystemInfo: (MD_ReferenceSystem) referenceSystemIdentifier: (RS_Identifier) authority: (CI_Citation) title: EPSG Geodetic Parameter Dataset Registry date: (CI_Date) date: 2008-11-12 dateType: (CI_DateTypeCode) publication citedResponsibleParty: (CI_ResponsibleParty) organisationName: International Association of Oil and Gas Producers (OGP) Geomatics Committee contactInfo: (CI_Contact) onlineResource: (CI_OnlineResource) linkage: http://www.epsg-registry.org/ applicationProfile: Data Search Application name: EPSG Geodetic Parameter Dataset Registry Application

Unresolved ISO 19115-2 XML

Representation of unresolved ISO 19115-2 metadata content represented in ISO 19139-2, which is XML implementation of ISO 19115-2 content standard

Example:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

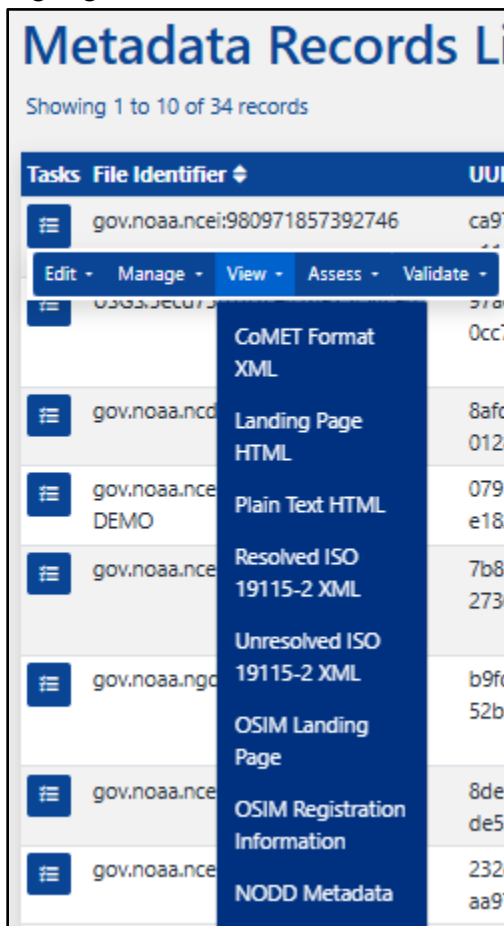
```
<?xml version="1.0" encoding="UTF-8"?>
<gmi:MI_Metadata xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gm1="http://www.opengis.net/gml/3.2"
  xmlns:gm2="http://www.isotc211.org/2005/gm2" xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts"
  xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmi
    https://data.noaa.gov/resources/iso19139/schema.xsd" uuid="5369c4a8-7edd-43be-8b21-1218f48d4be9">
  <gmd:fileIdentifier>
    <gco:CharacterString>gov.noaa.ncdc:C01528</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact>
    <gmd:CI_ResponsibilityParty>
      <gmd:organisationName>
        <gco:CharacterString>DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>
      </gmd:organisationName>
      <gmd:positionName>
        <gco:CharacterString>ISO 19115 Metadata Contact</gco:CharacterString>
      </gmd:positionName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:phone>
            <gmd:CI_Telephone>
              <gmd:voice>
                <gco:CharacterString>1-828-271-4800</gco:CharacterString>
              </gmd:voice>
              <gmd:facsimile>
                <gco:CharacterString>1-828-271-4876</gco:CharacterString>
              </gmd:facsimile>
            </gmd:CI_Telephone>
          </gmd:phone>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:deliveryPoint>
                <gco:CharacterString>151 Patton Avenue</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:deliveryPoint>
                <gco:CharacterString>Veach-Baley Federal Building, Room 468</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:city>
                <gco:CharacterString>Asheville</gco:CharacterString>
              </gmd:city>
              <gmd:administrativeArea>
                <gco:CharacterString>NC</gco:CharacterString>
              </gmd:administrativeArea>
              <gmd:postalCode>
                <gco:CharacterString>28801-5001</gco:CharacterString>
              </gmd:postalCode>
              <gmd:country>
                <gco:CharacterString>USA</gco:CharacterString>
              </gmd:country>
              <gmd:electronicMailAddress>
                <gco:CharacterString>ncei.orders@noaa.gov</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
          <gmd:onlineResource>
            <gmd:CI_OnlineResource>
              <gmd:linkage>
```

OSIM Landing Page

If record's Edit State is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS', user may view its OneStop Landing Page

Metadata Records List						
Showing 1 to 10 of 15 records						
Show Columns: ☐ File Identifier ☐ UUID ☐ Description ☐ Edit State ☐ Last Updater ☐ Updated ☐ Created						
Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam	fc04a13c-623d-45f0-a9ad-50e479365fba	Record Name: gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam Tags: 	WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS	cedit.admin	2023-06-29 00:27:26 EDT

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'OSIM Landing Page'



- New tab opens to record's landing page in OneStop



OneStop
NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION



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Multibeam collection for CALF03RR: Multibeam data collected aboard Roger Revelle from 02-Nov-96 to 08-Nov-96, Port San Luis, California to San Diego, California

This data set is part of a larger set of data called the Multibeam Bathymetry Database (MBBD) where other similar data can be found

Files ▾

Files in this collection are not currently searchable

Metadata Access ▾

Citation ▾

Identifier(s) ▾

Overview

Access

Time Period:
1996-11-02 00:00:00 to 1996-11-08 23:59:59.999

Map:


Bounding Coordinates:
Bounding Box covering 124.799878°, 13.999809°, 144.580663°, 20.3368001057° (N, W, E, S).

DSMM Rating:
DSMM Rating Unavailable [show info](#)

Themes:

- Oceans,
- Bathymetry/Seafloor Topography,
- Water Depth,

[Show All](#)

Instruments:

- Multibeam Mapping System,
- Sound Navigation and Ranging,
- Multibeam Swath Bathymetry System,

[Show All](#)

Platforms:

- Ships

[Privacy Policy](#) | [Freedom of Information Act](#) | [Information Quality](#) | [Disclaimer](#) | [Take Our Survey](#) | [Contact Us](#) | [Department of Commerce](#) | [NOAA](#) | [NESDIS](#)

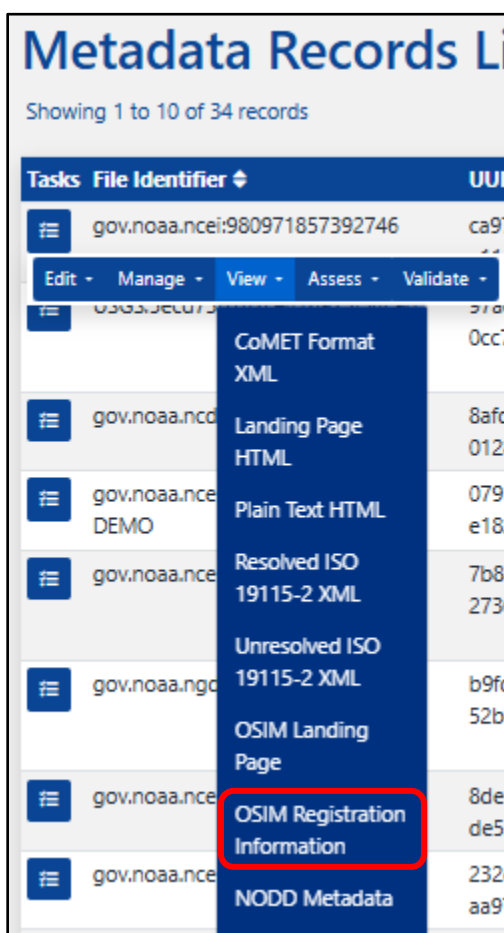
Version  | Image Attribution 

OSIM Registration Information

If record's Edit State is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS', user may view its OneStop Registration Information page

Metadata Records List					
Showing 1 to 10 of 15 records					
Show Columns: ☐ File Identifier ☐ UUID ☐ Description ☐ Edit State ☐ Last Updater ☐ Updated ☐ Created					
Tasks	File Identifier	UUID	Description	Edit State	Last Editor Updated
	gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam	fc04a13c-623d-45f0-a9ad-50e479365fba	Record Name: gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam Tags: 	WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS	cedit.admin 2023-06-29 00:27:26 EDT

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'OSIM Registration Information'



- New tab opens to record's registration information page in OneStop

```

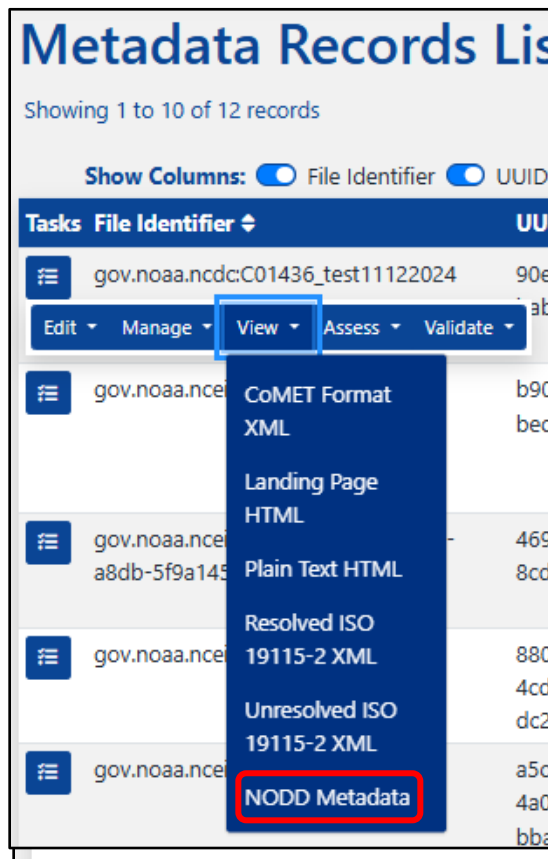
1 // 20230705105653
2 // https://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-bc3dff3e0559
3
4 {
5   "links": {
6     "parsed": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-bc3dff3e0559/parsed",
7     "xml": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-bc3dff3e0559/raw/xml",
8     "self": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-bc3dff3e0559"
9   },
10  "data": {
11    "id": "1b72bf4f-d446-4d37-9507-bc3dff3e0559",
12    "type": "collection",
13    "attributes": {
14      "rawJson": null,
15      "rawXml": "<gmi:MI_Metadata xmlns:gmi=\"http://www.isotc211.org/2005/gmi\"
xmlns:gco=\"http://www.isotc211.org/2005/gco\" xmlns:gmd=\"http://www.isotc211.org/2005/gmd\"
xmlns:gml=\"http://www.opengis.net/gml/3.2\" xmlns:gmw=\"http://www.isotc211.org/2005/gmw\"
xmlns:gssr=\"http://www.isotc211.org/2005/gssr\" xmlns:gss=\"http://www.isotc211.org/2005/gss\"
xmlns:gts=\"http://www.isotc211.org/2005/gts\" xmlns:xlink=\"http://www.w3.org/1999/xlink\"
xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\" xsi:schemaLocation=\"http://www.isotc211.org/2005/gmi
https://data.noaa.gov/resources/iso19139/schema.xsd\" uuid=\"1b72bf4f-d446-4d37-9507-bc3dff3e0559\">\r\n
<gmd:fileIdentifier>\r\n      <gco:CharacterString>gov.noaa.ncdc:C01425</gco:CharacterString>\r\n      </gmd:fileIdentifier>\r\n
<gmd:language>\r\n      <gco:CharacterString>eng; USA</gco:CharacterString>\r\n      </gmd:language>\r\n      <gmd:characterSet>\r\n
<gmd:MD_CharacterSetCode
codeList=\"https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_CharacterSetCode\"
codeListValue=\"utf8\">utf8</gmd:MD_CharacterSetCode>\r\n      </gmd:characterSet>\r\n      <gmd:hierarchyLevel>\r\n
<gmd:MD_ScopeCode
codeList=\"https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_ScopeCode\"
codeListValue=\"dataset\">dataset</gmd:MD_ScopeCode>\r\n      </gmd:hierarchyLevel>\r\n      <gmd:contact>\r\n
<gmd:CI_ResponsibleParty>\r\n      <gmd:organisationName>\r\n      <gco:CharacterString>DOC/NOAA/NESDIS/NCEI &gt; National
Centers for Environmental\r\n      Information, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>\r\n
</gmd:organisationName>\r\n      <gmd:positionName>\r\n      <gco:CharacterString>ISO 19115 Metadata
Contact</gco:CharacterString>\r\n      </gmd:positionName>\r\n      <gmd:contactInfo>\r\n      <gmd:CI_Contact>\r\n
<gmd:phone>\r\n      <gmd:CI_Telephone>\r\n      <gmd:voice>\r\n      <gco:CharacterString>1-828-271-

```

NODD Metadata

The NODD Metadata view enables users to preview how their ISO metadata will translate into a YAML file, which is used by cloud service providers in the NODD Program. This view only applies to dataset collections that are included in the NODD Program.

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'NODD Metadata'



Example:

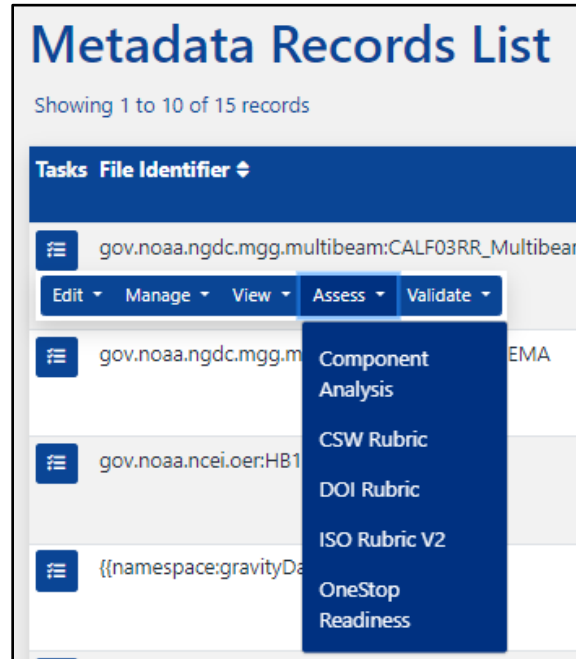
```
UpdateFrequency: asNeeded
Name: NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental
  Data Record (EDR) from NDE
Description: This dataset contains a high quality operational Environmental Data Record
  (EDR) of snow cover from the Visible Infrared Imaging Radiometer Suite (VIIRS) instrument
  onboard the Suomi-NPP satellite and is produced by the NOAA Satellite and Information
  Service (NESDIS). This product provides both binary (snow or no-snow) and fractional
  snow cover for cloud-free areas during daytime. The product also includes quality
  information which provides support information on the quality of snow retrievals.
  The algorithm utilizes VIIRS visible bands I1 (0.640 micron), I2 (0.865 micron),
  I3 (1.61 micron), I4 (3.74 micron), and I5 (11.5 micron) at a spatial resolution
  of 375 meters. VIIRS Snow Cover products distributed by the NESDIS Data Exploitation
  system (NDE) and obtained from the Comprehensive Large-Array Stewardship System
  (CLASS) are distributed in single 86-second granules in NetCDF-4 format with metadata
  attributes included.
Documentation: https://doi.org/10.7289/V5M043MH
Contact: 'Email ncei.orders@noaa.gov Phone 1-828-271-4800 Fax 1-828-271-4876 Online
  Resource NOAA National Centers for Environmental Information (NCEI) https://www.ncei.noaa.gov '
ManagedBy: DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information,
  NESDIS, NOAA, U.S. Department of Commerce
License: Open Data. There are no restrictions on the use of this data. Use of the
  data should cite NOAA and NESDIS/NCEI as the dataset creator.
Tags:
- climate
- weather
Resources:
- Type: ''
  Description: ''
  Region: ''
  ARN: ''
DataAtWork:
  Publications:
    AuthorName: NOAA - NESDIS - NCEI
    Title: NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover
      Environmental Data Record (EDR) from NDE
    URL: https://www.ncei.noaa.gov/
```

View schema in YAML preview [here](#)

Assess

Contents of record may be assessed against various rubrics

- On Metadata Records List panel, locate record to be assessed and select 'Assess' drop-down from its row



Component Analysis

Shows information based on ISO XML tag

- New tab opens
- Click link in top right corner to go to its data

Metadata Identifier: gov.noaa.ncdc:C01532

[Aggregation Info](#) / [Bands](#) / [Citations](#) / [Constraints](#) / [Coverage Descriptions](#) / [Dimensions](#) / [Extents](#) / [Formats](#) / [Geographic Bounding Box](#) / [Georeferenced Information](#) / [Georeferenceable Information](#) / [Identifiers](#) / [Instruments](#) / [Media](#) / [Online Resources](#) / [Operations](#) / [Platforms](#) / [Process Steps](#) / [Range Elements](#) / [Reference Systems](#) / [Responsible Parties](#) / [Series](#) / [Sources](#) / [Spatial Grids](#) / [Temporal Extents](#)

MD_DataIdentification

Count	Component	Title	Abstract
1	NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space environment and enable better forecasting of potentially disruptive events on the ground.	

[Top](#)

SV_Identification

none found

[Top](#)

CI_Citation

Count	Component	Title	Date	Citation Identifier
1		GOES-R Calibration Working Group		
1		Global Change Master Directory (GCMD) Data Center Keywords	2018	
1		Global Change Master Directory (GCMD) Instrument Keywords	2018	
1		Global Change Master Directory (GCMD) Platform Keywords	2018	
1		Global Change Master Directory (GCMD) Project Keywords	2018	
1		Global Change Master Directory (GCMD) Science Keywords	2018	
1		NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	2015-01-01	gov.noaa.class:SUVIINCAL gov.noaa.ncdc:C01532

[Top](#)

CSW Rubric

Identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification

- New tab opens

ISO 19115 Catalog Services for the Web Report

This report identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification. The elements are listed in three groups: Core Queryables, Core Returnables, and Additional Queryables. The Rubric at the top of the report summarizes the results. Each spiral is represented by a row in the rubric. The columns show the % of the elements in that spiral that exist in the record. Click the spiral name for more details. This report is produced using this [stylesheet](#). Please contact [Ted Habermann](#) if you have questions or suggestions.

Title: NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data

Total Spiral Score: 29/36

Spiral	None	1-33%	34-66%	67-99%	All
Core Queryables					
Core Returnables					
Additional Queryables					

Core Queryables Score: 10/12

The Open Geospatial Consortium Catalog Services for the Web (CSW) standard defines 12 "Core Queryables" that must be supported in any compliant implementation. Profiles of CSW map these queryables to concepts and xPaths for particular metadata dialects.

Score	Attribute (Count)	Description	Path
1	Subject	Keywords, usually from a shared vocabulary, that describe the topic or theme of the resource. More...	*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:keyWord/gco:CharacterString
1	Subject Thesaurus	A citation to the source for the subject (theme) keywords. This field is not included in the CSW Specification but it is important when keywords from a shared vocabulary are used.	*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:thesaurusName/gmd:CI_Citation/gmd:title/gco:CharacterString
1	Title	A short description of the resource. The title should be descriptive enough so that when a user is presented with a list of titles the general content of the data set can be determined. More...	*/gmd:identificationInfo/*/gmd:citation/gmd:CI_Citation/gmd:title/gco:CharacterString
1	Abstract	A summary of the content of the resource.	*/gmd:identificationInfo/*/gmd:abstract/gco:CharacterString
1	AnyText	A target for full-text search of character data types in a catalogue.	Many text paths

DOI Rubric

- **Mandatory for DOI Minting**
 - This evaluation tests for the existence of a creator, title, publication date, and publisher in the metadata record and provides a preview of the content
- **Mandatory for Citation**
 - This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content
- **Mandatory for Landing Page**
 - This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page
- **Recommended for Landing Page**
 - This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page
- **New tab opens**

Rubric Assessments for Digital Object Identifier Readiness

Mandatory for DOI Minting

This evaluation tests for the existence of a creator, title, publication date and publisher in the metadata record and provides a preview of the content. If these values already exist in the metadata then we can automatically mint a DOI from the metadata content. The content used to mint a DOI should be the same as the content in the metadata record.

Mandatory for Citation

This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content. If these values exist in the metadata then we can automatically generate a recommended citation from the metadata content.

Creator: (publicationYear). Title: Publisher: DOI:

Mandatory for Landing Page

This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page.

Recommended for Landing Page

This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page.

		4 out of 4	4 out of 5	18 out of 19	7 out of 10	ISO Metadata Content and Location
	Results	Mandatory for DOI Minting	Mandatory for Citation	Mandatory for Landing Page	Recommended for Landing Page	Field Value
	Fields					Xpath
Basic Citation Fields	Creator(s) Note					.. GOES-R Algorithm Working Group - principalInvestigator .. GOES-R Algorithm Working Group - author .. GOES-R Series Program - originator .. GOES-R Series Program - author
	Publication Year Note					2015
	Title					NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data
	Publisher(s) Note					.. DOC/NOAA/NESDIS/NOES - National Center for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - publisher
	DOI Note					gmd:MD_DataIdentification gmd:citation gmd:CI_Citation gmd:citeResponseParty gmd:CI_Identifier gmd:code gmx:Anchor @xlink:href[contains, 'doi']
	Legal Constraints Code/Other					otherRestrictions otherRestrictions
	Dataset Citation					Cite this dataset when used as a source.
	Abstract					The Extreme Ultraviolet and X-ray Irradiance Sensors detect solar soft X-ray irradiance and solar extreme ultraviolet spectral irradiance in the 5-127 nm range. The XRay Sensor (XRS) monitors solar flares that can disrupt communications and degrade it.
	Theme Keywords					.. Earth Science > Spectral Engineering > Infrared Wavelengths > Sensor Counts .. Earth Science > Spectral Engineering > Visible Wavelengths > Sensor Counts
	Place Keywords					gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:type gmd:MD_KeywordTypeCode @codeListValue="theme" and gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:keywords(text)/="
Descriptive Information	Status					gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:type gmd:MD_KeywordTypeCode @codeListValue="place" and gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:keywords(text)/="
	Maintenance Frequency					gmd:MD_DataIdentification gmd:status gmd:MD_ProgressCode @codeListValue
	Maintenance Notes					gmd:resourceMaintenance gmd:MD_MaintenanceInformation gmd:maintenanceAndUpdateFrequency gmd:MD_MaintenanceFrequencyCode @codeListValue
						gmd:resourceMaintenance gmd:MD_MaintenanceInformation gmd:maintenanceNote(text)/="

LEGEND

	Assessment Results	Explanation
Fields		Content exists in metadata record
		Content missing from metadata record
		Not used for assessment

- Record's Completeness Score page displays

Completeness Rubric for: NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR

Completeness Score: 100% + 26.8

Resource Hierarchy Level: 'series' — Status: 'onGoing'

CATEGORY	SCORE + EXTRA CREDIT	RUBRIC REQUIREMENTS
Identification	100% + 3	Required
Access	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession' or Status = 'planned'.
Coverage	100% + 4	Required
Content	100% + 4	Conditional - not required when Resource Hierarchy Level = 'fieldSession'.
History	100% + 5	Required
Quality	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession'.
Connections	100% + 8	Required
Metadata	100% + 1	Required
Associated Resource	+ 3	Highly Recommended
Attribution	+ 4	Highly Recommended

About Completeness Rubric
More Information
Contact

Identification Access Coverage Content History Quality Connection Metadata Resources Attribution

Identification Category: The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.

9/9 +3

LABEL (COUNT)	RULE	SCORE	METADATA CONTENT	GUIDANCE: XPATH AND ISO EXPLORER LINKS
Resource Hierarchy Level (1)	Required	1	series	/gmi:ML_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode/@codeListValue
Resource Title (1)	Required	1	NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (1)	Recommended	EC		/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	This dataset contains a high quality level 2 cloud top height product from the Advanced Himawari Imager (AHI) instrument onboard the Himawari-8 satellite that is operated by the Japanese Meteorological Agency (JMA) and is produced operationally by JMA (i.e., etc)	/gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	CTH is critical in determining the impact of clouds on the Earth's radiation budget. The dataset is also helpful in aviation for supplementing upper-level cloud information to the ground-based Automated Surface Observing System (ASOS), and in meteorology (i.e., etc)	/gmd:MD_DataIdentification/gmd:purpose

- Close Completeness Score tab and on Metadata Records List panel, locate same record and select 'Assess' drop-down from its row
 - Select 'OneStop Readiness' to view assessment

Himawari 8 L2 Cloud Height from AHI

Rubric Score: 100%

- ✓ Rubric Score is above 90%
- ✓ URL to a browse graphic thumbnail ([view image](#))
- ✓ Cannot reference another collection in the gmd:parentIdentifier field
- ✓ GCMD Science Keywords
- ✓ GCMD Organisation Keywords
- ✓ GCMD Place Keywords
- ✓ GCMD Keyword thesaurus titles following NOAA's best practice

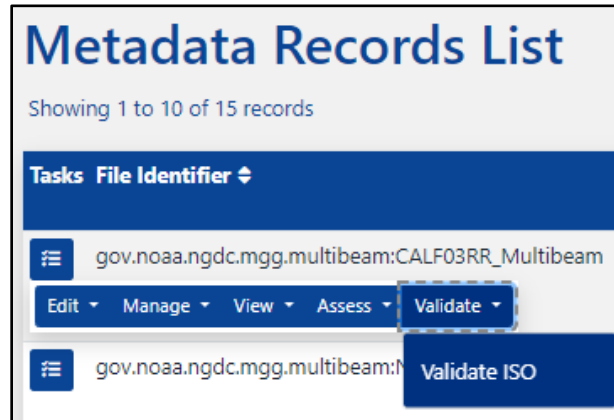
OneStop Readiness Assessment assumes this collection has associated granules that conform to ISO Lite guidance. Currently, granule association is being ignored when tier compliance checks are performed.

Validate

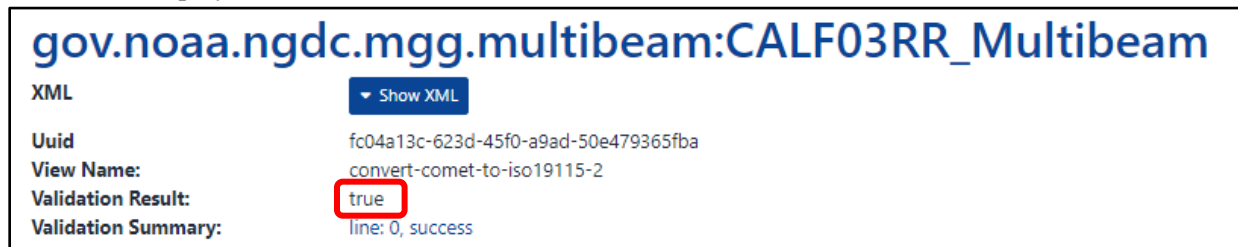
Validate ISO

A metadata record can be validated using XML Schema Definition (XSD)

- On Metadata Records List panel, locate record to be validated and select 'Validate' drop-down
 - Select 'Validate ISO'



- When validation run finishes, 'Validate ISO' page opens in new tab
 - If record is compliant with ISO XSD schema (no issue is found) 'Validation Result:' field displays 'true'



- If record is not compliant with ISO, error messages are shown with line numbers
 - Error message lines are links



- ## JPSS ATMS SDR for ref ALD

XML

[Show XML](#)

```

      <gmd:CI_OnlineFunctionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#C
    </gmd:function>
  </gmd:CI_OnlineResource>
</gmd:onlineResource>
3425.   </gmd:CI_Contact>
        </gmd:contactInfo>
        <gmd:role gco:nilReason="missing" />
        </gmd:CI_ResponsibleParty>
3430.   </gmd:citedResponsibleParty>
        </gmd:CI_Citation>
        </gmd:sourceCitation>
        <gmd:sourceExtent>
          <gmd:EX_Extent>
            <gmd:geographicElement>
3435.       <gmd:EX_GeographicBoundingBox id="boundingGeographicBoundingBox">
              <gmd:extentTypeCode>
                <gco:Boolean>1</gco:Boolean>
              </gmd:extentTypeCode>
              <gmd:westBoundLongitude>
                <gco:Decimal>-180</gco:Decimal>
              </gmd:westBoundLongitude>
3440.       <gmd:eastBoundLongitude>
                <gco:Decimal>180</gco:Decimal>
              </gmd:eastBoundLongitude>
3445.       <gmd:southBoundLatitude>
                <gco:Decimal>-90</gco:Decimal>
              </gmd:southBoundLatitude>
              <gmd:northBoundLatitude>

```

Uuid 8bf93f83-4de0-493e-ae4d-d9730fe06730

View Name: convert-comet-to-iso19115-2

Validation Result: false

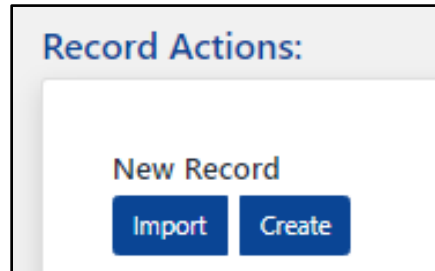
Validation Summary:

 - line: 3435, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.
 - line: 3435, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.
 - line: 3539, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.
 - line: 3539, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

Data Stewardship Maturity Questionnaire (DSMQ)

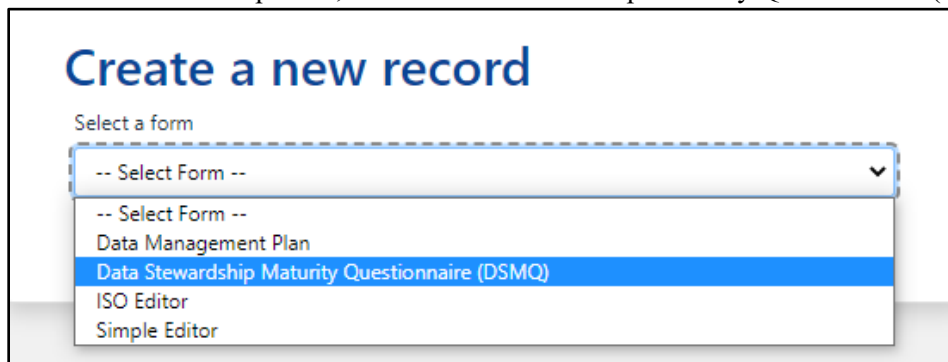
New Record

New DSMQ records are created one at a time using 'Create' button

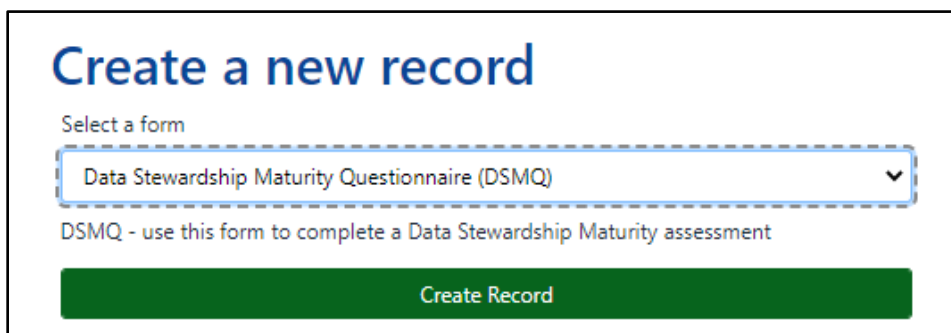


Create

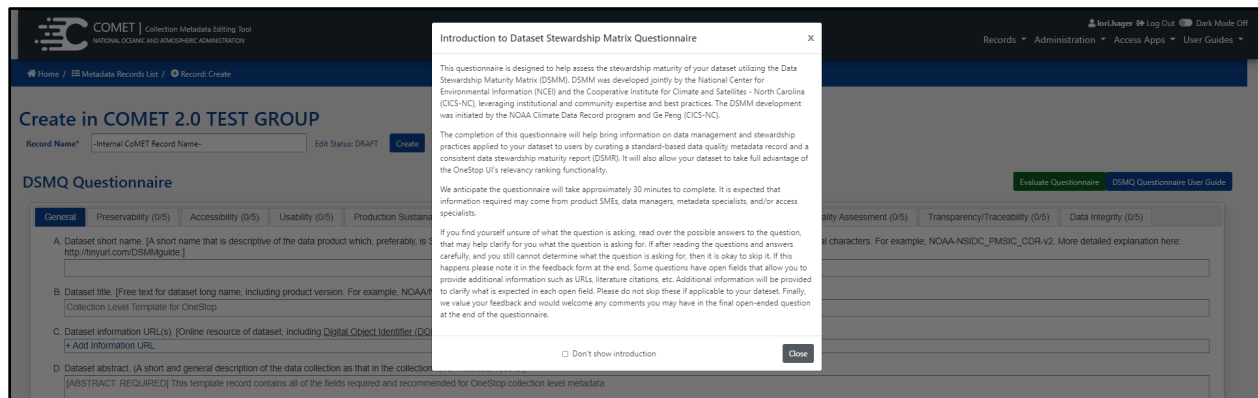
- In Record Actions panel, click 'Create'
- From 'Select a From' dropdown, select 'Data Stewardship Maturity Questionnaire (DSMQ)'



- Click 'Create Record'



- Message box with ‘Introduction to Data Stewardship Matrix Questionnaire’ appears
 - To not have message box appear again, check ‘Don’t show introduction’ at bottom of box
- Close



- CoMET/DSMQ defaults to General tab

Note: User may select blue ‘Create’ button at top center of page or bottom center of page at any point after entering a ‘Record Name’

- All fields in all tabs must be completed

- At C., click ‘Add Information URL’
 - Enter URL in field
 - Click red trash can to delete URL

Validate: gov.noaa.ncdc:C01532

gov.noaa.ncdc:C01532

XML [▼ Show XML](#)

Uuid 6808f90d-1de1-43af-9887-935b1257661a

View Name: convert-comet-to-iso19115-2

Validation Result: true

Validation Summary: line: 0, success

C. Dataset information URL(s). [Online resource of dataset, including [Digital Object Identifier \(DOI\)](#) landing page. For example, <http://nsidc.org/data/G02202/>]

+ Add Information URL

- Click ‘Next’ at bottom of page to move to next tab

Previous

Next

- OR go back to top of page and select desired tab

General	Preservability (0/5)	Accessibility (0/5)	Usability (0/5)	Production Sustainability (0/5)	Data Quality Assurance (0/5)
Data Quality Control/Monitoring (0/5)	Data Quality Assessment (0/5)	Transparency/Traceability (0/5)	Data Integrity (0/5)		

- Tooltips with additional information will appear when user hovers cursor over underlined text

C. Dataset information URL(s). [Online resource of dataset, including [Digital Object Identifier \(DOI\)](#) landing page. For example, <http://nsidc.org/data/G02202/>]

+ Add Information URL

Persistent unique identifier assigned by an external organization and standardized by the International Organization for Standardization (ISO).

- Some responses open additional questions, e.g., at 4.1, selecting response ‘c’ opens question 4.1c

Product Sustainability: The state of data production being sustainable and extensible.

4.1 What best describes the level of commitment for continuously maintaining the dataset online and extending the dataset?

☐ a) The production of the dataset is Ad Hoc. (A dataset existed or maintained as a result of someones research interest.)

☐ b) The sustainability of the dataset is tied to the obligations of a grant.

☒ c) The production of the dataset is sustained by institution or international support. [e.g., OISST vs national or international support (e.g., USCRN, GHRSSST, etc.).]

4.1c What institution or international support sustains the production of the dataset? Please provide a URL. [e.g., Optimum Interpolation Sea Surface Temperature (OISST) vs national or international support [e.g., U.S. Climate Reference Networks (USCRN), Group for High Resolution Sea Surface Temperature (GHRSSST), etc.]]

- To save initial data, click ‘Create’ at top of page

- Or click ‘Create’ at bottom of page

- User may go back later to edit record
- If data is missing from ‘Dataset Short Name’, ‘Dataset Title’ or ‘Dataset Abstract’ fields, fields will briefly highlight as pink

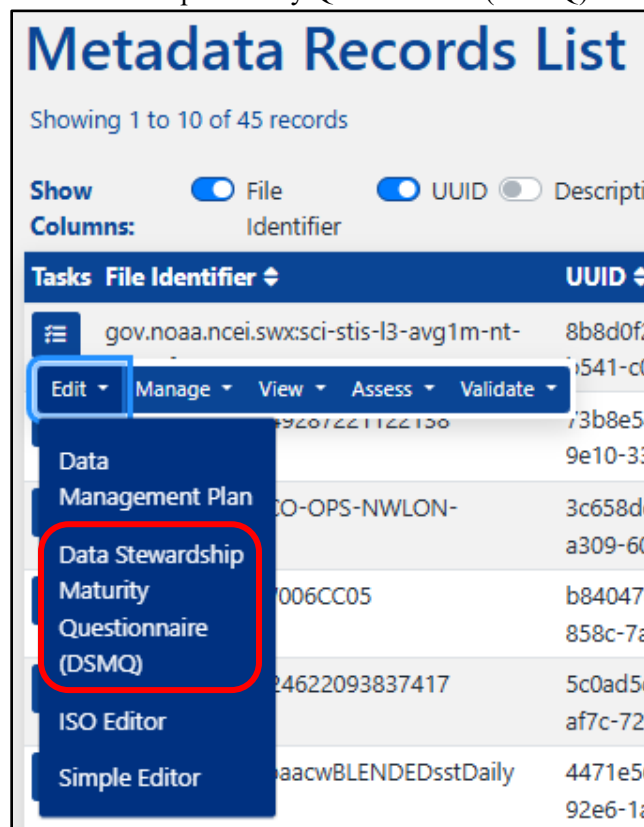
- Message appears ‘Record created successfully’

- Metadata Records List page reloads
 - New record at top of Metadata Records List

Metadata Records List				
Showing 1 to 7 of 7 records		Show Columns: ☒ File Identifier ☐ UUID ☒ Description ☒ Edit State ☒ Last Updater ☒ Updated ☐ Created ☐ Group		
Tasks	File Identifier	Description	Edit State	Last Editor
		Record Name: LHager_Test_04 Tags: 	DRAFT	lori.hager
				2023-01-20 15:31:27 EST

Edit

- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from its row
 - Select ‘Data Stewardship Maturity Questionnaire (DSMQ)’

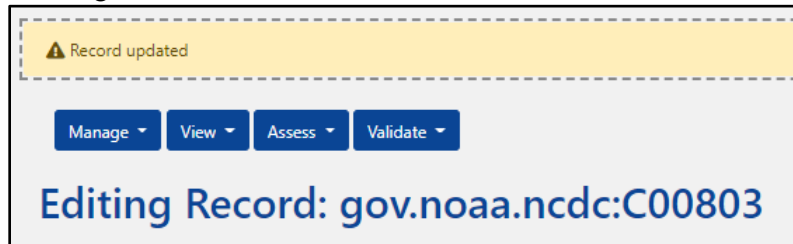


The screenshot shows the 'Metadata Records List' interface. At the top, it says 'Showing 1 to 10 of 45 records'. Below this, there are toggle switches for 'Show' and 'Columns:'. The 'Show' toggle is set to 'File', and the 'Columns' toggle is set to 'Identifier'. A table of records is displayed with columns: 'Tasks', 'File Identifier', and 'UUID'. The first record is highlighted, and its 'Edit' dropdown menu is open. The dropdown menu contains the following options: 'Edit', 'Manage', 'View', 'Assess', 'Validate', 'Data Management Plan', 'Data Stewardship Maturity Questionnaire (DSMQ)', 'ISO Editor', and 'Simple Editor'. The 'Data Stewardship Maturity Questionnaire (DSMQ)' option is highlighted with a red box.

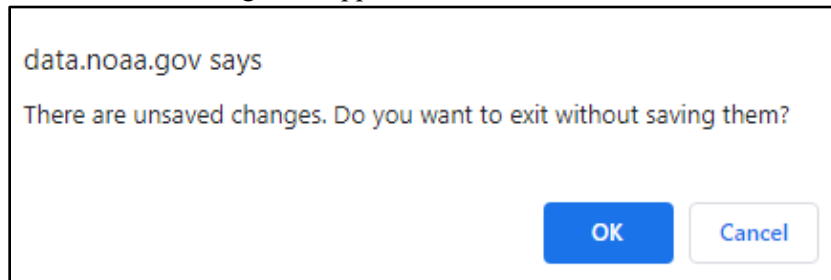
- Record opens in new tab
- Edit Metadata as desired
- Click ‘Save’ at top right of page or bottom of page



- Message appears 'Record updated'
- Editing Record Page Reloads



- If 'Exit' was selected and no changes made to record, page reloads to Metadata Records List
- If changes were made, message box appears



- To exit without saving changes, click OK
- To save changes, click Cancel, then Save

Evaluate Questionnaire

- User may utilize 'Evaluate Questionnaire' functionality at any point in Editing process to receive a maturity score for each section of questionnaire
 - Click 'Evaluate Questionnaire'



- Each tab displays its Evaluation score
 - All questions in a tab must be answered to produce a score

General	Preservability (5/5)	Accessibility (1.5/5)	Usability (1.5/5)	Production Sustainability (2.5/5)	Data Quality Assurance (2/5)
Data Quality Control/Monitoring (2.66/5)	Data Quality Assessment (0/5)	Transparency/Traceability (1/5)	Data Integrity (5/5)		

- If record originally created in ISO Editor - Record Name, Dataset Title, and Dataset Abstract are automatically entered in DSMQ record

View Scorecard Overview

- To aid in interpreting the results of assessment, click 'View Scorecard Review'

DSMQ Questionnaire

[Evaluate Questionnaire](#)
[View Scorecard Overview](#)

General

Preservability (5/5)

Accessibility (1/5)

Usability (4.66/5)

Production Sustainability (2.5/5)

Data Quality Assurance (2/5)

Data Quality Control/Monitoring (2.66/5)

Data Quality Assessment (0/5)

Transparency/Traceability (1/5)

Data Integrity (5/5)

- Data Stewardship Maturity Matrix scoreboard opens

Overview of Data Stewardship Maturity Matrix with Key Components, Maturity Scale, and Acceptance Criteria. This scoreboard is useful for interpreting the results of your assessment

Document ID: NCDC-CICS-SMM_0001
Version: Rev. 1. 12/09/2014

Dataset Name
Stewardship Maturity Matrix for Digital Environmental Data Products

Maturity Level as of
mm/dd/yyyy

Maturity Scale	Preservability	Accessibility	Usability	Production Sustainability	Data Quality Assurance	Data Quality Control/Monitoring	Data Quality Assessment	Transparency /Traceability	Data Integrity
Level 1 – Ad Hoc Not Managed	Any storage location Data only	Not publicly available Person-to-person	Extensive product-specific knowledge required No documentation online	Ad Hoc or Not applicable No obligation or deliverable requirement	Data quality assurance (DQA) procedure unknown or none	None or Sampling: unknown or spotty Analysis unknown or random in time	Algorithm/method/model theoretical basis assessed (method and results online)	Limited product information available Person-to-person	Unknown or no data ingest integrity check
Level 2 - Minimal Managed Limited	Non-designated repository Redundancy Limited archiving metadata	Publicly available Direct file download (e.g., via anonymous FTP server) Collection/dataset level searchable	Non-standard data format Limited documentation (e.g., user's guide) online	Short-term Individual PI's commitment (grant obligations)	Ad Hoc and random DQA procedure not defined and documented	Sampling and analysis are regular In time and space Limited product-specific metrics defined & implemented	Level 1 + Research product assessed (method and results online)	Product information available in literature	Data ingest integrity verifiable (e.g., checksum technology)
Level 3 - Intermediate Managed Defined, Partially Implemented	Designated archive Redundancy Community-standard archiving metadata Conforming to limited archiving process standards	Level 2 + Non-standard data service Limited data server performance Granule/file level searchable Limited search metrics	Community Standard-based interoperable format & metadata Documentation (e.g., source code, product algorithm document, processing or/and data flow diagram) online	Medium-term Institutional commitment (contractual deliverables with specs and schedule defined)	DQA procedure defined and documented and partially implemented	Level 2 + Sampling and analysis are frequent and systematic but not automatic Community metrics defined and partially implemented Procedure documented and available online	Level 2 + Operational product assessed (method and results online)	Algorithm/method/model Theoretical Basis Document (ATBD) & source code online Dataset configuration managed (CM) Unique Object Identifier (OID) assigned (dataset, documentation, source code) Data citation tracked (e.g., utilizing Digital Object Identifier (DOI) system)	Level 2 + Data archive integrity verifiable
Level 4 - Advanced Managed Well-Defined, Fully Implemented	Level 3 + Conforming to community archiving standards	Level 3 + Community-standard data services Enhanced data server performance Conforming to community search metrics Dissemination report metrics defined and implemented internally	Level 3 + Basic capability (e.g., subsetting, aggregating) & data characterization (overall/global, e.g., climatology, error estimates) available online	Long-term Institutional commitment Product improvement process in place	DQA procedure well documented, fully implemented and available online with master reference data Limited data quality assurance metadata	Level 3 + Anomaly detection procedure well-documented and fully implemented using community metrics, automatic, tracked and reported Limited quality monitoring metadata	Level 3 + Quality metadata assessed (method and results online) Limited quality assessment metadata	Level 3 + Operational Algorithm Description (OAD) online, OID assigned, and under CM	Level 3 + Data access integrity verifiable Conforming to community data integrity technology standard
Level 5 - Optimal Level 4 + Measured, Controlled, Audit	Level 4 + Archiving process performance controlled, measured, and audited Future archiving standard changes planned	Level 4 + Dissemination reports available online Future technology and standard changes planned	Level 4 + Enhanced online capability (e.g., visualization, multiple data formats) Community metrics of data characterization (regional/cell) online External ranking	Level 4 + National or international commitment Changes for technology planned	Level 4 + DQA procedure monitored and reported Conforming to community quality metadata & standards External review	Level 4 + Cross-validation of temporal & spatial characteristics Physical consistency check Conforming to community quality metadata & standards Dynamic providers/users feedback in place	Level 4 + Assessment performed on a recurring basis Conforming to community quality metadata & standards External ranking	Level 4 + System information online Complete data provenance available online	Level 4 + Data authenticity verifiable (e.g., data signature technology) Performance of data integrity check monitored and reported

- Tab headings are in dark blue row across top of scoreboard
- Levels of completeness are in green column on left
- Table is an interpretation of level of each section

Metadata Record Groups

- From Home page, select 'Metadata Record Groups'

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

lori.hager@noaa.gov Log Out Dark Mode Off
Records Access Apps Resources

Home

CoMET

Collection Metadata Editing Tool

Records

Search for records or choose from a list.

- Access Metadata Records
- Metadata Record Groups**
- Record Services

Users & Roles

Create and manage CoMET users.

- View User Profile

Version 1.14.8
ncei.collection-manager.support@noaa.gov

Privacy Policy Freedom of Information Act Information Quality Disclaimer Take Our Survey Department of Commerce NOAA NESDIS

Users May Have Different Roles For Different Record Groups

- For example, in ‘Record Group List’, below ‘Members’ heading see username lori.hager
 - In ‘Demo’ and ‘NOAA/NESDIS/ncei/oer’, user lori.hager has ‘[Metadata Editor](#)’ role
 - User can create, edit, and delete records, among other actions, for this record group
 - User cannot perform actions exclusive to Publishers or Group Managers
 - In ‘NOAA/NESDIS/ncei/gulf_atlas’, user lori.hager has ‘[Metadata Publisher](#)’ role
 - User can publish records, among other actions, for this record group
 - User cannot perform actions exclusive to Group Managers
 - In ‘templates/’, user lori.hager has ‘[Group Manager](#)’ role
 - User may create record groups, add or remove group members, among other actions, for this record group

The screenshot shows the COMET Collection Metadata Editing Tool interface. The header includes the COMET logo, the text 'COMET | Collection Metadata Editing Tool', and 'NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'. On the right, it shows the user 'lori.hager' with a 'Log Out' button and a 'Dark Mode Off' toggle. Below the header is a navigation bar with 'Home / Metadata Record Group List'. A search bar with the text 'Search groups' and a 'Search' button is on the left, and a 'Create Record Group' button is on the right. The main content area is titled 'Record Group List' and shows 'Showing 1 to 9 of 9 records'. Below this is a table with the following data:

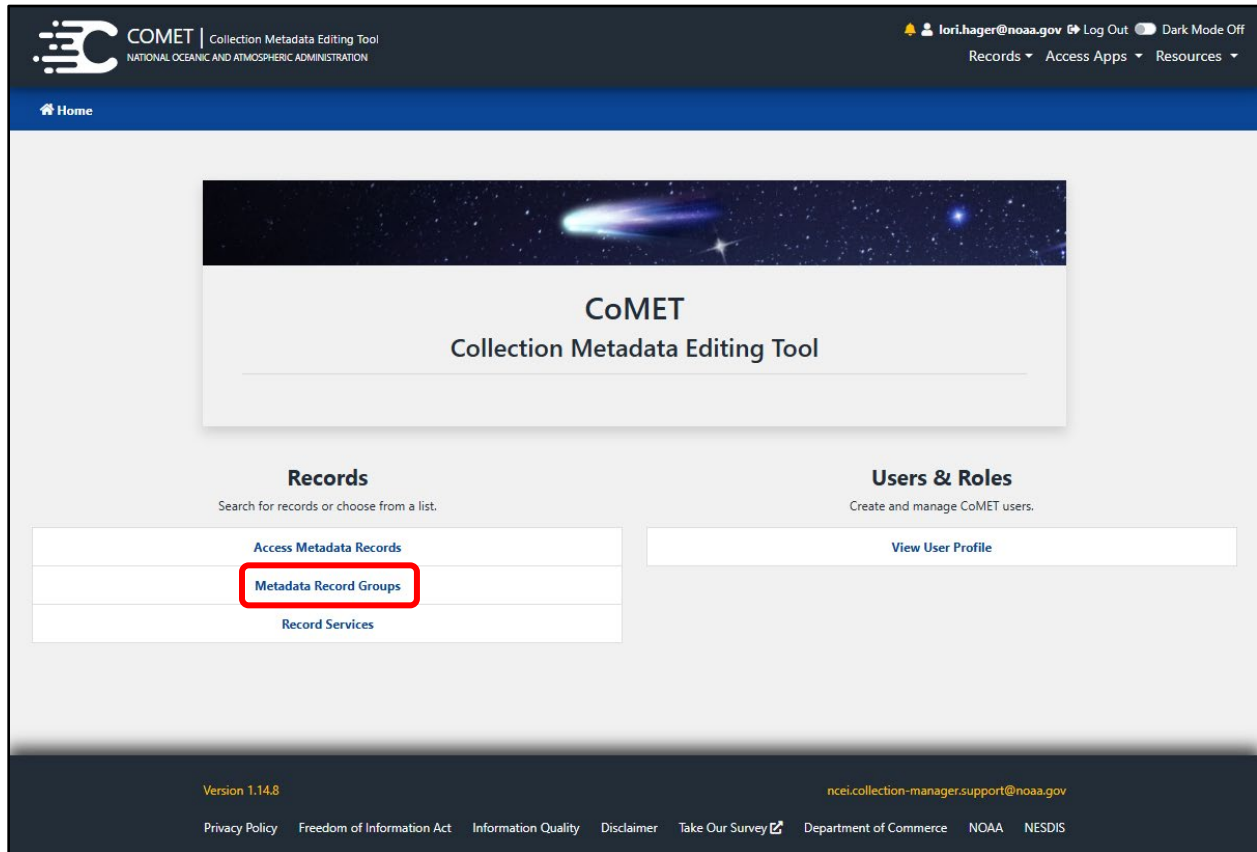
Name ↕	Members	Date Created ↕	Last Updated ↕	Last Updater ↕
Demo	kathy.martinolich Group Manager lori.hager Metadata Editor cedit.group Group Manager	2014-07-01	2023-08-17	jerri.reeves
NOAA/NESDIS/ncei/oer/	jason.v.weick Metadata Publisher kathy.martinolich Group Manager lori.hager Metadata Editor	2020-01-02	2023-08-17	charles.burris
NOAA/NESDIS/ncei/gulf_atlas/	jason.v.weick Metadata Publisher lori.hager Metadata Publisher kathy.martinolich Group Manager	2023-08-02	2023-08-17	charles.burris
templates/	lori.hager Group Manager charles.anderson Metadata Publisher philip.jones Group Manager Sarah.Oconnor Group Manager	2020-01-02	2023-07-20	charles.burris

Create a Record Group

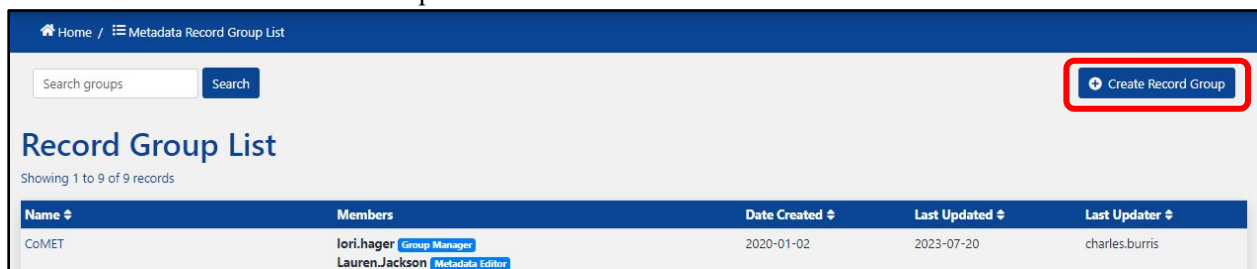
Note: Any user role may create a record group

User will be Group Manager for record group created

- On Home page, click 'Metadata Record Groups'



- Click 'Create Record Group'



- Enter Record Group name in 'Name' field
- 'Description' field is optional
- Click 'Create'

Create Record Group

Name (required)

Description

Create

- Get message 'Record created'

Home / Metadata Record Group List

Record created.

Search groups Search Create Record Group

Metadata Record Group List

Showing 1 to 10 of 130 records

Name	Form Group	Last Updater	Last Updated	Date Created
LHager_Test Group	CoMET Form Group	lori.hager	2023-07-05 13:45:22 EDT	2023-07-05 13:45:22 EDT
STP_Solar_Images_OLD	STP_Solar_Images	jerri.reeves	2023-06-30 08:43:44 EDT	2014-09-16 13:16:24 EDT
Pauls Super Happy Fun Group	CoMET Form Group	jerri.reeves	2023-06-30 08:42:40 EDT	2021-08-10 12:12:11 EDT

Delete a Record Group

Note: Action available only to Group Manager user role

- From 'Record Group List', select record group to be deleted

Home / Metadata Record Group List

Search groups Search Create Record Group

Record Group List

Showing 1 to 10 of 10 records

Name	Members	Date Created	Last Updated	Last Updater
LHager_Test Group2	lori.hager Group Manager	2023-08-22	2023-08-22	lori.hager

- Click 'Delete Record'

Show Record Group

Name	LHager_Test Group2
Web Accessible Folder	NO WAF SET
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2023-08-22 15:46:29 EDT
Last Updated	2023-08-22 15:46:29 EDT
Members	lori.hager Group Manager

Edit

Delete Record

- Click 'OK' to confirm deleting record group
 - All records in record group will also be deleted

Collection Metadata Editing Tool
 ND ATMOSPHERIC ADMINISTRATION

data.noaa.gov says
 All records associated with the record group will be deleted too. Are you sure to delete the record group?

[OK](#)
[Cancel](#)

Group List / Record Group: View

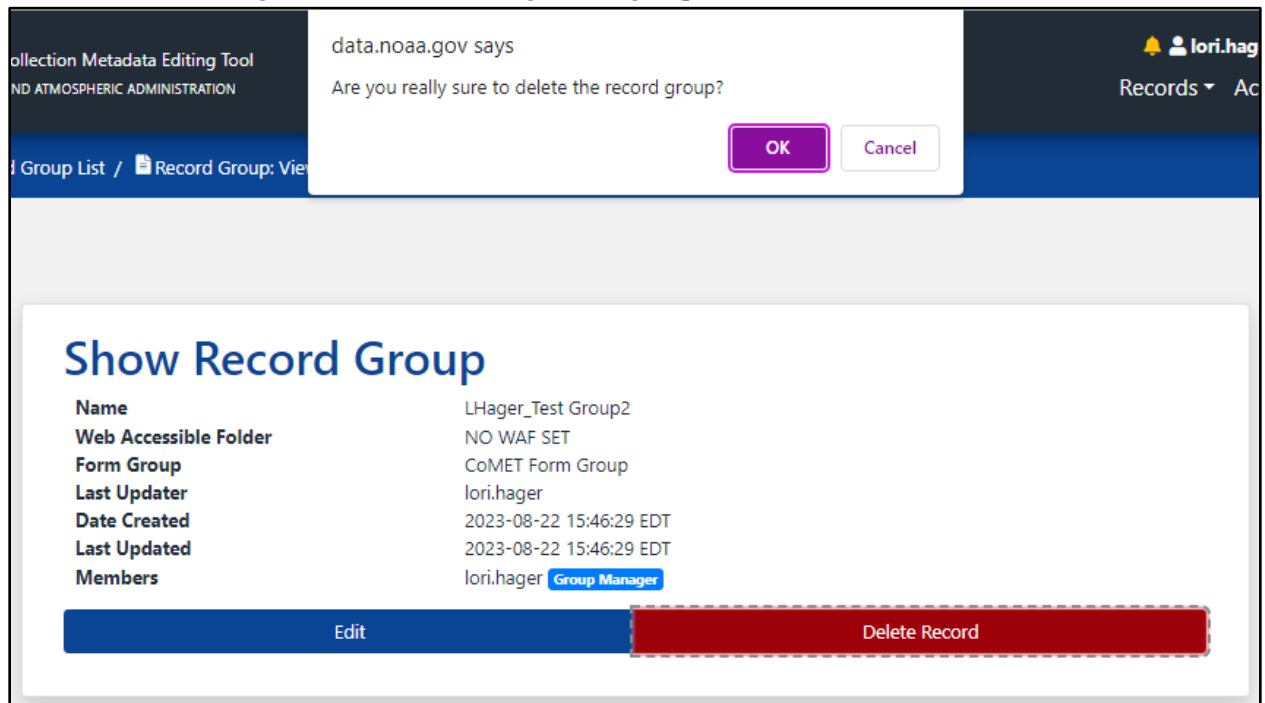
Show Record Group

Name	LHager_Test Group2
Web Accessible Folder	NO WAF SET
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2023-08-22 15:46:29 EDT
Last Updated	2023-08-22 15:46:29 EDT
Members	lori.hager Group Manager

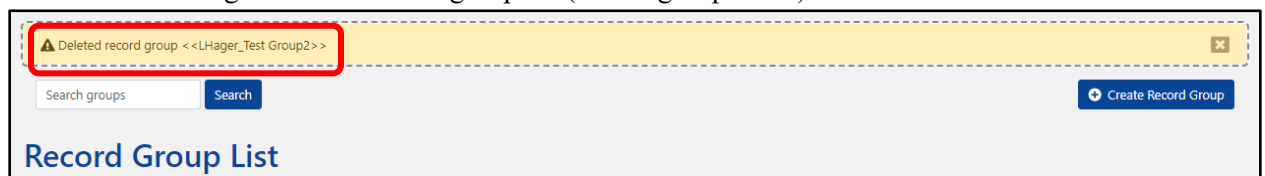
Edit

Delete Record

- Click 'OK' again to confirm deleting record group



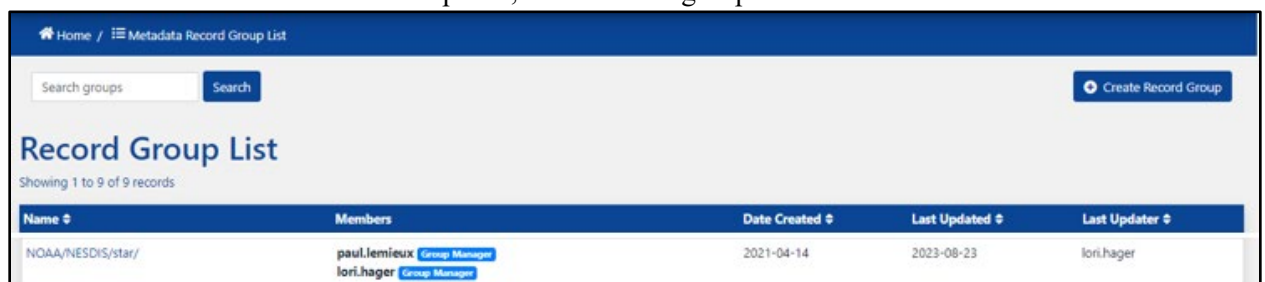
- Get message 'Deleted record group <<(record group name)>>'



Edit Record Group Forms

Note: Action available only to Group Manager user role

- From Metadata Record Group List, select record group



- Click 'Edit'

Show Record Group

Name	NOAA/NESDIS/star/
Description	STAR WAF
Web Accessible Folder	NOAA/NESDIS/star/
Web UUID	58873f11-8bbb-473c-83d4-5464c65a7b99
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2021-04-14 12:08:54 EDT
Last Updated	2023-08-23 11:14:50 EDT
Members	lori.hager Group Manager paul.lemieux Group Manager

Edit
Delete Record

- Changes can be made to 'Name' and 'Description' fields
 - Group Managers can also assign and delete users from 'Edit Record Group' page
 - See below
- Click 'Update'

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager Group Manager

✕

paul.lemieux Group Manager

✕

Add Member:

Add User

Update
Delete Record

- Get message 'Record updated'



Assign Users to Record Group

Note: Action available only to Group Manager user role

- From 'Record Group List', select record group

Name	Members	Date Created	Last Updated	Last Updater
NOAA/NESDIS/star/	paul.lemieux Group Manager lori.hager Group Manager	2021-04-14	2023-08-23	lori.hager

- Click 'Edit'

Show Record Group

Name	NOAA/NESDIS/star/
Description	STAR WAF
Web Accessible Folder	NOAA/NESDIS/star/
Web UUID	58873f11-8bbb-473c-83d4-5464c65a7b99
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2021-04-14 12:08:54 EDT
Last Updated	2023-08-23 11:14:50 EDT
Members	lori.hager Group Manager paul.lemieux Group Manager

[Edit](#) [Delete Record](#)

- Add username below ‘Add Member’
 - User must have a CoMET account
 - Username is email address without ‘@noaa.gov’
- Select role from ‘Select Role’ drop-down menu

Note: ‘Metadata Publisher’ is an option only if record group has an associated WAF

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	

Add Member:

-- Select Role--

- Select Role--
- Metadata Editor
- Group Manager
- Metadata Publisher
- Guest

Update

- Click ‘Add User’

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	

Add Member:

Metadata Editor

Add User

Update **Delete Record**

- User's name is added to list of 'Current Group Members'
- Click 'Update'

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:

Add User

Update

Delete Record

- Get message 'Record updated'

Home / Metadata Record Group List / Edit: NOAA/NESDIS/star/

Record updated

Create Record Group

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:

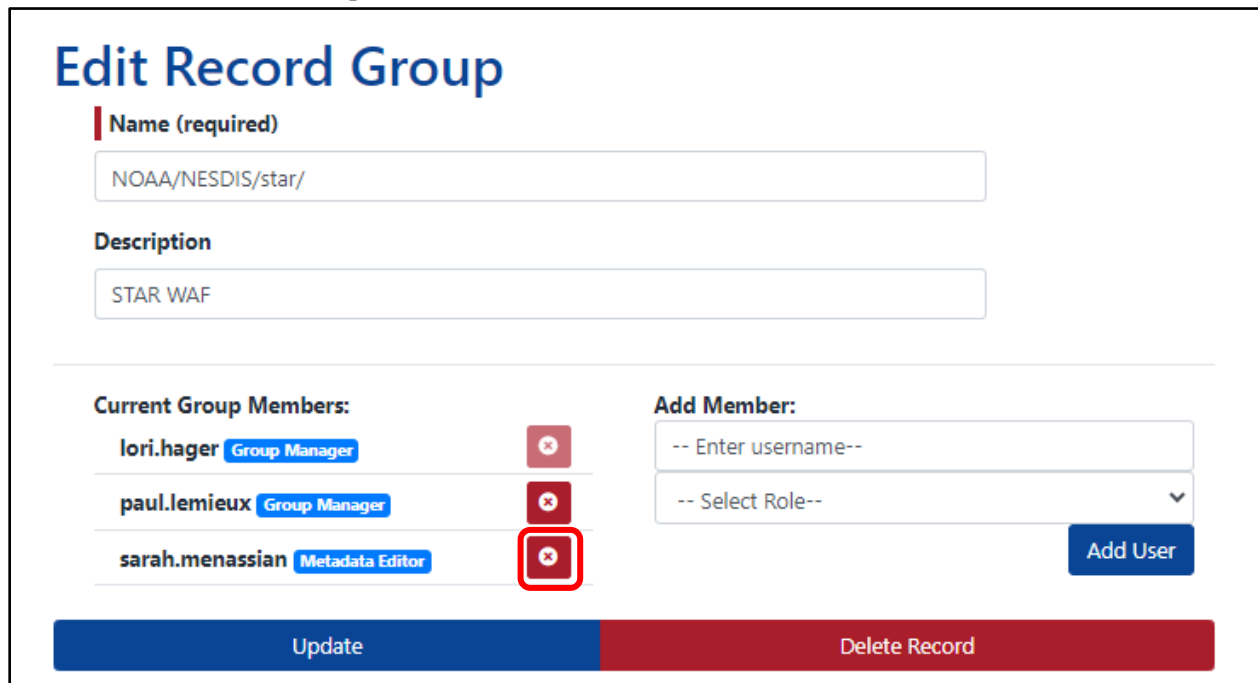
Add User

Update

Delete Record

Delete Users From Record Groups

- Go to 'Edit Record Group' page
 - In 'Current Group Members' list, click red 'X' next to user/member to be deleted



Edit Record Group

Name (required)
NOAA/NESDIS/star/

Description
STAR WAF

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:

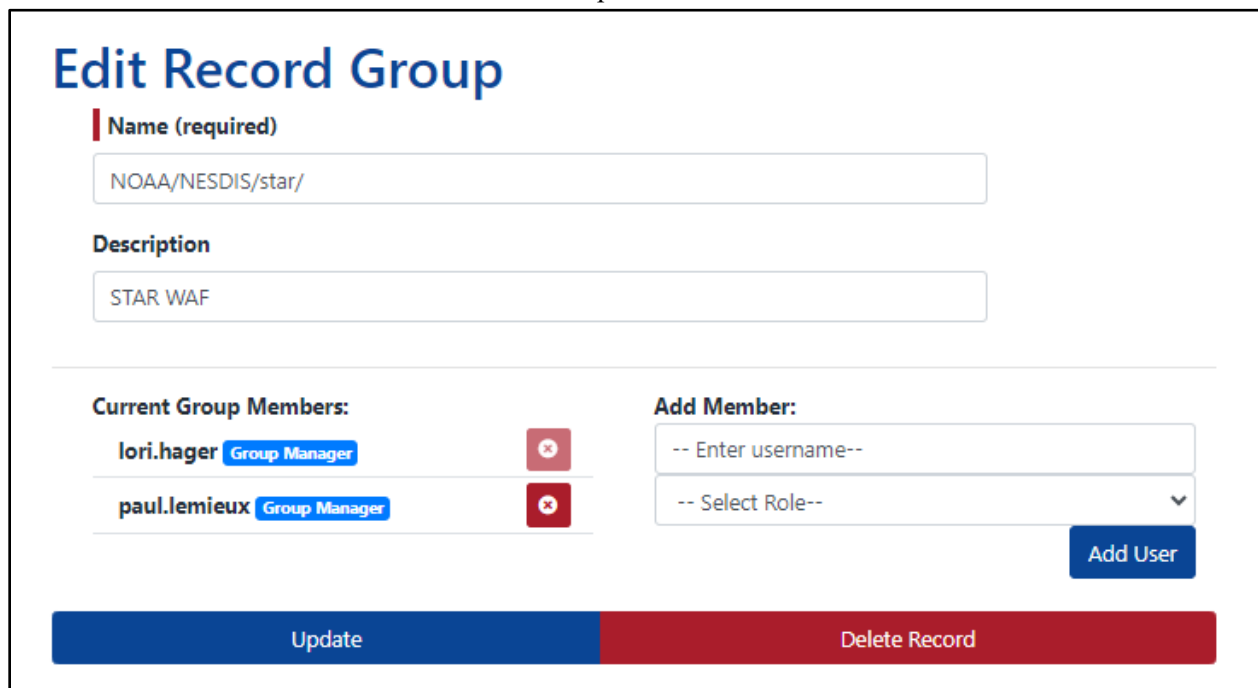
-- Enter username--

-- Select Role--

Add User

Update **Delete Record**

- Username is removed from 'Current Group Members' list



Edit Record Group

Name (required)
NOAA/NESDIS/star/

Description
STAR WAF

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	

Add Member:

-- Enter username--

-- Select Role--

Add User

Update **Delete Record**

Application Programming Interface (API)

CoMET API is a software interface that allows connection between computers or computer programs. It gives users the ability to write programs (scripts) to create/import, export, update, and delete single or multiple ISO metadata records in a Record Group.

Note: CoMET APIs are intended for users with computer programming experience

Requirements

- Users must have a @noaa.gov email account with CoMET
- User must be assigned to recordGroup with which they are trying to interact
- To be added to a recordGroup, email ncei.collection-manager.support@noaa.gov

To view the complete API documentation, along with code samples, go to [CoMET API \(v2\)](#)

Appendix

Glossary of Terms

1. **Collection** - group of environmental data or products that share common characteristics, is represented by a single metadata record, and consists of one or more granules
 - a. Also referred to as datasets
2. **Data Group** - a superset of collections
3. **Data Management Plan** - plan to ensure that data is properly documented, made accessible, and preserved for future use
4. **Data Stewardship Maturity Matrix (DSMM)** - a unified framework for measuring stewardship maturity of environmental datasets
5. **Data Stewardship Maturity Questionnaire (DSMQ)** - method to create a DSMM assessment
 - a. DSMQ is a more consistent and scalable approach than manual DSMM assessments
6. **Data Stewardship Maturity Report (DSMR)** - ISO standard-based dataset-level quality metadata and data stewardship maturity report generated from DSMM assessment
7. **Docucomp** - tool to create and edit reusable ISO XML components
 - a. Also hosts images for Browse Graphics function in CoMET
8. **Edit States**
 - a. APPROVED - state of record once Publisher approves publication request and record is sent to a WAF for publication and harvest
 - b. DRAFT - default state assigned to record after being imported or created
 - i. Record is available for editing
 - c. IN_REVIEW - state of record once it has been requested to be published
 - i. Designates record is awaiting approval by Publisher
 - d. INVALID - if XML does not pass validation, CoMET automatically changes record's state from APPROVED to INVALID
 - i. User must correct metadata and resubmit
 - e. PUBLISH_PROCESSING - RWAf Pipeline is processing the metadata record to send it to a WAF and external systems outside of CoMET
 - f. TEMPLATE - record was created with 'Make Template' function
 - g. UNPUBLISHED - Record has been successfully removed from WAF and OneStop/OSIM
 - h. WAF_PUBLISH_PASS, OSIM_PUBLISH_FAIL - record made it through the processing phase and did not get published to OneStop or Inventory Manager
 - i. WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS - end state after publishing to a WAF and other external systems, e.g., OSIM
 - j. WITHDRAWN - record has been deleted
9. **Form Validation** - ISO Editor's validation that ensures required content is present
10. **ISO Editor** - a metadata creation and editing tool within CoMET
 - a. Provides form validation to ensure required information is present
11. **ISO Validation** - validates against ISO XML schema

- 12. JSON (Javascript Object Notation)** - lightweight data-exchange format
- 13. Metaserver** - provides CoMET-like services without creating a metadata record, resolves xlinks, translates between different XML standards, and allows advanced users to process WAFs on demand
- 14. Publish** - sends metadata record to review queue for a Publisher to approve or reject
 - a. Once published, record is accessible on its associated WAF and OSIM
- 15. Record Group** - related or associated metadata records managed by a team or project
- 16. Record Name** - record title for CoMET
 - a. Record Name is not inserted into ISO XML
 - b. Recommended to use record fileIdentifier as Record Name
 - c. CoMET automatically assigns fileIdentifier as Record Name when ISO XML record is imported
- 17. Relevancy Ranking** - process of sorting search results so that files which are most likely to be relevant to query are shown at top
- 18. Universal Unique Identifier (UUID)** - required unique character string used to identify records
 - a. UUIDs are manually assigned or auto-generated, written into XML within UUID attribute in MI_Metadata root element, and required for managing records via CoMET API
- 19. User Roles for NOAA Users** - permissions are inheritable
 - a. Guest - read only views and assessments, e.g., view ISO 19115-2 XML, Comet Format XML, Landing Page HTML, Rubric V2
 - b. Metadata Editor - in addition to abilities assigned to Guest, may create, edit, and delete records within Record Groups to which they belong; request records to be published (if record group has an associated WAF); download XML files from CoMET
 - c. Metadata Publisher - in addition to abilities assigned to Metadata Editor user role, approve/reject publish requests from editors, publish records, and unapprove records to be published
 - i. Publisher role can only be assigned to a user in record groups with an associated WAF, which are considered publishable record groups
 - d. Group Manager - in addition to abilities assigned to Metadata Publisher user role, Group Managers may create and delete record groups, edit record group forms, and add users to or remove users from record groups they manage
 - i. Responsible to assign users to appropriate role, as needed for user's workflow
 - e. Admin - in addition to abilities assigned to all other user roles, Admins have access to all record groups
 - i. Role includes additional administrative abilities including, but not limited to thesaurus maintenance, troubleshooting user's questions, and system bugs
- 20. Web Accessible Folder (WAF)** - System where XML metadata files are stored and can be harvested or downloaded

Change Log

Revision Number	Description of Change	Author	Date
A	Content revised to follow order of actions in CoMET database; descriptions of actions revised to be more concise	L Hager	6/28/2021
B	Updated version number on title page and footer; added Publish user role and actions; included user interface upgrades; updated screenshots; added 'Simple Editor' section; added 'OneStop Readiness' section; deleted 'View Record' button from Compare Versions page; deleted 'Commit' button from DSMQ section; updated API instructions; updated document title	L Hager, C Luquire	8/13/2021
C	Updated version number, added references to and screenshots of Landing Page, Banner, Footer, and Boilerplate Evaluation. Updated Table of Contents	C Luquire	1/28/2022
D	Updated version number on title page; restored version number and page number in footer; revised Overview; in Contact Info, replaced OSMC team with collection manager support email; removed references to landing page, banner, and footer (redundant/unnecessary); updated many screenshots; deleted Boilerplate; added Content Evaluator and described significance of orange badges; added how to use Guided Mode; updated In-Review Record List in Publish section; described how to Unpublish a record; added 'Replace with File' in Manage drop-down; added 'View Scorecard Overview' in DSMQ section; added link to CoMET API (v2)	L Hager	9/30/2022
E	Added: Notifications of records' status (yellow bell); File Identifier added to 'Filters'; Publishing drop-down menu only displayed if record group has associated WAF(s); Red 'Approve All' button; 'Unpublished' replaced with 'Unapprove'; Metadata Records List – new format for column titles; NODD Metadata (Beta), link provided to preview schema in YAML	L Hager	1/27/2023
F	Added: How to insert Components into ISO Editor (section moved from Docucomp User Guide); Make Template function; Create Record Group; Assign users to record groups; Updated screenshots	L Hager	7/05/2023
G	Updated version number on title page and footer; updated many screenshots; updated account creation for new users;	L Hager	8/25/2023

	added note to Copy section about new ‘Make Template’ function; custom authorization of user’s roles per group; detailed actions available to Group Managers; updated Edit States list in Glossary; clarified actions permitted per user role in Glossary		
H	Added Record Services function, as duplicated from Metaserver; noted where some functions are only available for records with edit state of WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS; redefined WAF in Glossary	L Hager	4/16/2024
I	Added using Image Tools from Docucomp for Browse Graphic tab, added Withdrawn edit state for deleted records, updated user roles to match CoMET SOP	L Hager	11/20/2024
J	Added login.gov instructions for External Users; Added Publishing instructions for External Users; Updated login screenshots; Updated screenshots for Change Group and Download; added Edit State ‘WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS’ to Publish section	L Hager	5/22/2025
K	Added Metadata Record Groups, User Groups, Search Across Record Groups, Request to Publish email notification, explained how to Unpublish a record and the meaning of its subsequent edit states	L Hager	3/10/2026
L	Updated screenshots; From top right of screen, changed User Guides drop-down to Resources; added access Record Services from Home page; added User Groups function; ability to choose between opening links in new tab or not; how to enter a DOI, ORCID, or ROR ID in a record; how to ‘Unmake Template’; updated Docucomp definition in Glossary section	L Hager	7/14/2026