Making Interoperability Easier with NASA’s Metadata Management Tool (MMT)

ISO-19115 Metadata Creation
While the ISO-19115 collection level metadata format meets many users’ needs for interoperable metadata, it can be cumbersome to create it correctly. Through the MMT’s simple UI experience, metadata curators can create and edit collections which are compliant with ISO-19115 without full knowledge of the NASA Best Practices implementation of ISO-19115 format. Users are guided through the metadata creation process through a forms-based editor, complete with field information, validation hints and picklists. Once a record is completed, users can download the metadata in any of the supported formats with just 2 clicks.

How Do We Do That?
Under the covers, the MMT is utilizing NASA’s Unified Metadata Model for Collections (UMM-C) which serves as a mapping between a variety of different metadata formats, allowing the MMT to produce a wide variety of compliant metadata formats. The MMT and UMM Conversions are in the process of being open sourced. They will be available on github.com/nasa soon!

Learn More about UMM:

Learn More about UMM:

This material is based upon work supported by the National Aeronautics and Space Administration
under Contract Number NNG15HZ39C
NASA Official: Andrew Mitchell | Andrew.E.Mitchell@nasa.gov

https://ntrs.nasa.gov/search.jsp?R=20160014643 2019-10-17T12:47:03+00:00Z
https://ntrs.nasa.gov/search.jsp?R=20160014643 2019-10-17T12:47:03+00:00Z

1 Raytheon | 2 Element 84 | 3 NASA ESDIS