



## **Presentation Descriptions**

### **Welcome**

Jennifer Carlino, FGDC Metadata Coordinator

*New metadata standards, new tools, new capabilities. Learn more about creating robust, operational metadata for data, services, and other geospatial resources.*

### **Introduction to Geospatial Platform Tools**

Tod Dabolt, Geographic Information Officer, Department of the Interior

John Davidson, Geospatial Platform Technical Team, Image Matters, LLC

*Geospatial analysts struggle to quickly find the right data to answer their analytical questions. The volume of published data continues to explode and requires metadata to be formatted in ways for machines can process it without additional human intervention. With new technology and applications developments geospatial metadata now has an enhanced role in enabling the discovery and direct access to the described data's online web services. This process begins by enhancing the content of the metadata records, improving discovery and access, and integrating available services. The ISO suite of, FGDC endorsed, metadata standards, provides a robust structure to enable this services-centric user experience. With geospatial services delivery as its primary goal, the Geospatial Platform released tools which will improve metadata consistency enhancement and ensure standards compliance. This session will provide an overview and hands-on demonstration of the initial set of enabling Geospatial Platform Tools.*

### **Managing and Publishing ISO Geospatial Metadata Using the Open Source Geoportal Server**

Marten Hogeweg, Geoportal Server Product Manager, Esri

*In this session, you will hear about the latest developments on the open source Esri Geoportal Server and specifically its metadata editing capabilities. The metadata editor can be used both as part of a geoportal server instance, as a standalone web editor, or as an external editor for ArcGIS. The session will cover the editor's capabilities and extensibility to allow configuring specific metadata profiles, validation rules and transformers. During the session, users will have the ability to use a public instance to create/edit metadata.*

### **Why, How and What of the EPA Metadata Editor 5.0**

Ana Greene, Environmental Dataset Gateway (EDG) Program Manager,  
Environmental Protection Agency

Catherine Harness, Environmental Dataset Gateway (EDG) Administrative Group,  
Environmental Protection Agency / Innovate!

*The EPA Metadata Editor (EME) 5.0 is the Environmental Protection Agency's newest geospatial metadata editor. EME 5.0 is a customization of ESRI's ArcCatalog. It has been customized to allow users to meet the requirements of EPA's Metadata Technical Specification, which follows*

*both ISO 19115 and Project Open Data Standards. In addition, a number of features have been added to improve usability and to make it easy to produce high quality metadata records. This session will provide an in depth training of the features of the EME 5.0.*

### **NASA Data Center Metadata Management Using the Open Source MMT**

**Kathleen (Katie) Baynes, ESDIS Project System Architect, National Aeronautics and Space Administration**

*NASA's Earth Science metadata catalog, the Common Metadata Repository or CMR, provides search and discovery access for over 34,000 dataset collections and over 360 million granule files. This session will demonstrate the basics of using the CMR's metadata management tool or MMT (<https://github.com/nasa/mmt>) to create compliant and useful metadata for CMR collections. This talk will also showcase recent developments within the CMR and its clients and upcoming plans for the system.*

### **NOAA Metadata Completeness Rubric**

**Anna Milan, Metadata Specialist, National Oceanic and Atmospheric Administration  
Tyler Christensen, NOS Metadata Coordinator, National Oceanic and Atmospheric Administration / SID Inc.**

*There are many different ways to implement the ISO standards and very little content is required to create a technically valid metadata record. Therefore, in addition to ISO compliance, the Completeness Rubric provides an extra level of assessment to help metadata authors provide more thorough descriptions and follow best practices determined by the NOAA Metadata Working Group. There will be a high level overview of what the Rubric is assessing, followed by step-by-step guidance for running this assessment on individual ISO records for improving the score.*

### **Alaska Data Integration Working Group: ISO Metadata Toolkit using mdTools**

**Joshua Bradley, Arctic LCC Data Manager, US Fish and Wildlife Service  
Dennis Walworth, Data Manager, Alaska Science Center, US Geological Survey**

*The Alaska Data Integration working group(ADlwg) Metadata Toolkit is an open source suite of applications for authoring and editing metadata for both spatial and non-spatial projects and datasets. The main goal of the toolkit is to promote the creation and use of metadata by lowering the level of technical expertise required to produce archival quality metadata. mdJSON is the metadata format that ties the suite of tools together. Based on JavaScript Object Notation(JSON), mdJSON is capable of capturing 90% of ISO 19115-1 and 100% of FGDC CSDGM. The mdTranslator is a Ruby application that supports translation between multiple metadata formats. Currently the mdTranslator reads mdJSON and sbJSON(native format for USGS ScienceBase) and outputs metadata in multiple standards, including ISO 19115-2, 19110, HTML, mdJSON, and sbJSON (output of 19115-1 is planned).*

*The mdEditor is an open source client-side web application design to allow users to manage metadata for projects and data products. The mdEditor may be used to create mdJSON and interface with the mdTranslator to produce metadata in the supported output formats.*

*This session will provide an overview of and hands-on interaction with the Metadata Toolkit.*