

# 20170404

Tuesday, April 04, 2017  
10:18 AM

## Geoscience FIT Meeting Agenda

Date: April 4, 2017

Time: 10am-12pm

DOGAMI Conference Room, Portland State Office Building, 800 NE Oregon St., Suite 965, Portland, OR 97232

Teleconference Line: if you would like to call in, please contact Lina Ma at [lina.ma@oregon.gov](mailto:lina.ma@oregon.gov) or 971-673-1545

10-10:15am WELCOME/INTRODUCTIONS (All)

10:15-10:45am BACKGROUND

1. Oregon GIS Framework Program (Theresa Burcsu)
2. Oregon Geology Data Standard/Oregon Geologic Data Compilation (Lina Ma)

10:45-11:45am BUSINESS ITEMS

1. Geology Data Standard update
  - a. OGDC v6
  - b. USGS NCGMP09/GEMs schema
2. Overview of the Soils Data Standard (Whityn Owen)
3. GIS Data Stewardship/Data Preservation
4. Identify new Geoscience data for development
  - a. Priority data?
5. Upcoming Call for Proposals- FIT funding
  - a. Identifying Framework Foundational Data Elements: where do the Geoscience data elements lie? (Theresa)
  - b. Funding requirements/eligibility

11:45-12pm OTHER ITEMS OF BUSINESS

1. Members or alternates for workgroup
2. Geoscience FIT listserve
3. Comments/Questions
4. Next meeting/time- quarterly? (July 11<sup>th</sup>)

12:00pm ADJOURN

NOTES

### Background and Business Items

OGDC - Oregon Geologic Map Compilation and the Oregon Geology Standard - Ian Madin and Lina Ma

## Discussion

- Ian reminded: in past there was a tremendous amount of detail in the attributes referencing the sources and data collection of lines. Decision was made in 2015 or 2016 to update only the line work.
- Lina - V5 included only DOGAMI mapping
- Ian - DOGAMI has put a number of key performance measures into place, as have all state agencies. One of these to keep all dbs up-to-date. USGS is completing a new Portland map. A decision is needed about how to use the information from USGS. Some issues with its use is that DOGAMI uses surficial units which is not a pure geologic map, whereas the USGS map is a traditional geologic map (2D map of bedrock). The spatial distribution of the quality of the USGS map is not well known. DOGAMI works a lot with landslides, so we have worked a lot with surficial units [something related to sediments, soils, geomorphology, and surface stuff], and focused on these data. Users have expressed interest in a single, constant resolution surface unit geology map for the state. Decision opportunity: create this map.
- Don: how different are the USGS and state standards?
- Lina: quite different. There's an opportunity to update the Oregon standard in response to the new USGS map.
- TB: is there an opportunity to align with neighboring state standards?
- Lina: possibly. Some states are using the USGS standard.

## Discussion: USGS standard vs. Oregon standard

- Lina: We will need to also be cognizant of the limitations of the Esri model for databases; Esri has been working closely with USGS. USGS is going to take their standard to FGDC. Keep in mind that the USGS standard is a bedrock standard.
- Don: would be good to also maintain the surficial map and standard because of the landslide hazards in Oregon.
- Comment made that it sounds like the surficial units and content could fit nicely into the USGS.
- ODOT: having all of the layers (e.g., bedrock, surficial) in a single db would be a simpler solution for users so that they don't have to go into a different db for different data. This may help non-geologists (especially engineers) use the data more correctly and efficiently.
- Surficial geologic map is an interpretation of soils and geology.

## Soils Work Group - Whityn Owen

- Renewing the work group.
- Action item: Please express your interest in the group by sending an email to Whityn.
- Action item: TB to post an updated standard and substitute Whityn's info for Ian Reid's
- Action item: WO to work with TB on an updated map of soil survey digitizing status for the GEO website. Ideas: providing an AGOL map and a PDF version (Don expressed interest in having the snapshot views too).
- Action item: Whityn to reconvene the WG
- GSSURGO -
  - New raster version (10-m) fGDB of SSURGO with some tools for querying and visualization (such as pyramid layers)
- SSURGO data in a fGDB. SSURGO has been an SQL database for a lot of years because of the complex relationships among the tables.

- Soil Data Viewer - existing view that allows for query fo the spatial data using Esri custom tools
- The Oregon Soil Standard
  - Based on federal standards - national cooperative survey and FGDC.
  - How do you get "best available" data integrated into existing data? Would be highly challenging to use locally available data as these are often "proprietary."
  - Decision opportunities:
    - how to integrate "best available" data.
    - Remove specific software references in the Standard's language, e.g., shapefile and Access db
    - Delivery format for the data
    - Additional products, e.g., permeability data element, hydric soils data element
    - Additional items to add to the Standard

Some Geosciences WG tasks to consider:

Update the OGDC and Geology Standard together. A next action is to solicit feedback and recommendations for changes to the geology standard and how to use the information in the soon-to-be released USGS Portland geology map. Other considerations are user friendly product, continuing to update the surficial geology layer, integrating a bedrock geology layer.

Create a single resolution geology map that is statewide in extent.

### Agenda for next time:

- Framework Standards Update Process (Theresa Burcsu)
- Framework data elements -- are these the right ones?