

State of Montana Information Technology Managers Advisory Council

Council Business Meeting April 2, 2014 - 10:00 – 12:00 Room 152 – State Capitol

Welcome and Introductions (10:00 - 10:15)

- Michael Sweeney, Chair
 - ACTION ITEM: Approval of March minutes
- Ron Baldwin, State CIO Update

Business (10:15 – 11:50)

- SABHRS Single Sign-on – Ed Glenn (5 minutes)
- State Human Resources Recruitment and Selection System – Anjenette Schafer (10 minutes)
- Data Protection Initiative – Lynne Pizzini (10 minutes)
- GIS COI – Kreh Germaine (15 minutes)
- Enterprise Licenses Update – Maris (5 minutes)

BREAK

- New Services (10 minutes)
 - Load Balancing Service – Jerry Marks
 - Storage as a Service – Jerry Marks
 - SAM as a Service – Maris Cundith
- ITMC Workgroup Reports (5 minutes)
 - Statewide Security Coalition/Task Force – Joe Chapman
 - Enterprise Working Groups Inventory – Michael Sweeney
- ITMC Executive Membership – Michael (5 minutes)

Standing Agenda Items (11:50 – 11:55)

- Posted Reports - None

Adjournment (11:55-12:00)

- **Next Meeting – May 7, Room 152**
- **Member Forum**
- **Public Comment**
- **Adjourn**

Notice: The Department of Administration will make reasonable accommodations for persons with disabilities who wish to participate in the ITMC public meetings or need an alternative accessible format of this notice. If you require an accommodation, contact the Department of Administration no later than six business days prior to the meeting of interest, to advise us of the nature of the accommodation that you need. Please contact Tammy Lavigne, 406-444-2589 or tlavigne@mt.gov.

Ron Baldwin – CIO

DOA – SITSD

Michael Sweeney - Chair

DOA

Joe Frohlich – Past Chair

Ravalli County

Larry Krause - Vice

DOC

Mark Van Alstyne

SOS

Tim Bottenfield

DOR

Mike Bousliman

MDT

John Daugherty

COR

Evan Hammer

MSL

Reporting to ITMC

Information Owner
Name: Lynne Pizzini
Organization & Work Unit: State Information Technology Services Division
Phone: 444-9127
Email: lpizzini@mt.gov
Website (if applicable):

Information	
<input checked="" type="checkbox"/> Informational <input type="checkbox"/> Issue <input type="checkbox"/> Action Needed <input type="checkbox"/> Other:	
Name of Service, Program, Project or Issue: Data Protection Initiative	
Description: The Data Protection Initiative has three parts: Access Control and Verification, Multi-factor Authentication, and Enterprise Risk Assessment. This is an update to the status of each of these areas of this initiative. Access Control and Verification Comments are being accepted to the UserID and password proposal. This proposal would be implemented when the new access control and verification system is moved into production in Spring, 2015. The technical team meets on a weekly basis. The Federated Identity Management system has been configured within a test environment and many test scenarios are being completed. A new team member is being added within SITSD with a start date of 4/7/2014. His primary role will be to support the new system. Multi-factor Authentication The system has been configured and the Department of Revenue has begun the pilot. A meeting with Department of Justice is scheduled for next week to discuss their business requirements and the best configuration for them as they have some unique requirements. Discussions with Department of Health will take place in May. Enterprise Risk Assessment The bid process is in full swing. Proposals are being evaluated and vendor selection is scheduled to be completed this week. The team is meeting regularly with participation from Health and Human Services, Department of Revenue, Department of Labor, and Department of Justice.	
Impact: Impacts all state agencies.	

Key Dates:

Other information and list any attachments:

INTERACTIVE MAP BENEFITS

Interactive web mapping platforms and collaborative content management systems are used together to communicate information through the visual display of data. These platforms allow users to make informed decisions by providing a visual display of spatial and tabular data to easily gather and analyze information on an interactive web map. This does not replace existing infrastructure and work processes – it is a complement to existing services and provides a “window” into the existing data structure.

Users can quickly turn data into valuable information by creating intelligent interactive web maps and sharing them privately or publicly with stakeholders and decision makers. Platforms like ArcGIS Online (www.arcgis.com) make spatial data available through an interactive web map, a web application (app) and a mobile app without the need for programming. The result is a tool that is accessible to multiple users, at any time, on any operating system without a tie to legacy application development environments which leads to user and data independence.

OVERVIEW

Web mapping platforms provide stakeholders an intuitive workspace to collaborate planning and departmental efforts with other federal, state and local agencies as well as the public. This will facilitate improved working relationships, effective communication, and reduce duplication of work.

ADVANTAGES OF INTERACTIVE MAPPING PLATFORMS

- **Collaboration and unity** by simplifying access to maps and data for better communication and working relationships
- **Data Availability** allowing users to discover, use, create and manage spatial data layers
- **Transparency** of data and actions, while helping comply with federal regulations
- **Data Quality** by establishing standards that ensure data is reliable and consistent
- **Increasing efficiency and productivity** for management and delivery of projects
- **Develops uniformity**, along with other state agencies, in providing data to the public and private organizations
- **Minimizes investment** and cost for an interactive web mapping platform and collaborative content management system
- **Helps meet the growing demand** for web maps, both simple and complex
- **Facilitates creation of dynamic web maps** by providing the ability to distribute internet links that can be dynamically updated instead of distributing out-of-date and large file-size PDFs

INTERACTIVE MAP USE EXAMPLES

- **Integrate various data themes to identify new information** - With web mapping platforms (like ArcGIS Online) you can use, save, manage and share mash-ups of web maps to highlight data trends (the term *mash-up* refers to combining data from two or more sources; i.e., adding multiple data layers from different federal, state and local agencies to create one web map; the term implies easy, fast integration)
- **Enable both on-demand and secure options for publishing web maps** – quickly generate information displays for only those that should be accessing the information
- **Dynamic, live web maps facilitate meeting discussion** – the ability to zoom in and out and instantly drill down into the data provides much more information during a meeting than a static paper map
 - Having the ability to interact with the map during meetings allows continued discussion and product development based on the discussion; data is immediately available
 - This improves communication by putting stakeholders on the same page – everyone in the meeting can see the data and follow along
 - There is no bottleneck in discussions because information is immediately available and questions can be answered on the spot – no ending meetings and rescheduling until that data can be gathered and analyzed, etc.

EXAMPLE SUCCESS STORIES

- Improve Montana Department of Transportation (MDT) Environmental Resources Section and Montana Fish Wildlife and Parks (FWP) interactions by implementing an interactive mapping option to facilitate discussions.
 - **OBJECTIVE:** Using an interactive web map to streamline processes that locate current MDT projects that have a possibility of impacts to FWP.
 - **OVERVIEW:** MDT biologists meet (at least bi-annually) with FWP to go over upcoming MDT projects that are listed in the Statewide Transportation Improvement Program (STIP). This past year, MDT made ARCGIS ONLINE maps for each MDT district; the maps enabled users to zoom in to each project on the screen and discuss FWP's concern with individual upcoming projects. Being able to interact with the data in the web map saved a huge amount of time, since in the past we would make hardcopy maps and take these maps with us and distribute them at the meeting. Beyond the STIP, MDT must engage other state agencies on projects during the project design process, and again MDT has made ARCGIS ONLINE maps with the necessary data included and sent the weblink to the resource agencies for their review and comments.
 - **RESULT:** Saved MDT and FWP 2-3 off site meetings (2 days) with approximately 5 employees involved per meeting.
 - **CONCLUSION:** Able to achieve greater communication in one single meeting rather than attending lots of follow-up meetings. By using the interactive map, agencies are able to find answers to their own questions. The use of ARCGIS ONLINE is streamlining MDT processes with FWP and other resources agencies.
- The Census and Economic Information Center (CEIC) mission is to provide current, easily accessible and thorough economic and demographic analysis, maps, data, and expert assistance to meet the needs and requests of Montanans.
 - **OBJECTIVE:** Add Interactive web maps to the CEIC website that provide Census boundaries, American Community Survey data and other economic and demographic data that is easy and quick to access.
 - **OVERVIEW:** Each month, CEIC received many requests for maps showing where Census boundaries were located and how the different boundary levels related to each other. To answer these requests, CEIC was required to make multiple custom PDF maps to help answer their questions and provide the maps and data needed. With the implementation of ARCGIS ONLINE, CEIC has published all the 2010 Census boundaries with frequently used datasets in easy to use interactive maps. CEIC has also published American Community Survey interactive maps that include detailed social, housing, economic and demographic data for Montana
 - **RESULT:** CEIC receives almost no requests for basic Census boundary maps and when requests are received it only takes a few minutes to explain where the interactive maps can be found and how to use them. This allows staff to focus more time providing analysis and custom maps.
 - **CONCLUSION:** By using the interactive maps, citizens are able to find answers to many of their own questions quickly and within their needed timeframe.

LINKS TO EXAMPLES OF EXISTING INTERACTIVE MAPPING PLATFORMS

- Interactive Map Gallery on Mt.Gov - <http://mt.gov/mediagallery.aspx?activeTab=2>
- Interactive Map Gallery from the state library - http://apps.msl.mt.gov/Geographic_Information/Maps/Gallery/
- Interactive Map Gallery from the Department of Transportation - <http://www.mdt.mt.gov/publications/map-gallery.shtml>
- Featured Interactive Map Gallery from Census & Economic Information Center - http://ceic.mt.gov/Maps/maps_featured.aspx
- Maps from Fish, Wildlife & Parks - <http://fwp.mt.gov/doingBusiness/reference/maps/>

Efficiency – Unity – Transparency

1. Interactive web mapping and what it can do for us
 - a. Web mapping platforms will provide stakeholders an intuitive workspace to collaborate planning and departmental efforts with other federal, state and local agencies as well as the public. This will facilitate improved working relationships and communication and reduce duplication of work.
 - b. Transparency of data and actions, while helping comply with federal regulations
2. Long MDT Testing Phase 1 year license to gain support and to see if there are any issues.
 - a. It's about unity and working together with 25 members from a diverse group of MDT employees.
 - b. Completed in October of 2013 adopted technology in January of 2014
 - c. Will be available in Esri ELA
 - d. Centralizes and reveals accessible data to increase our efficiency in finding MDT data.
 - e. Build a platform not an application
 - i. AGOL is just the front end interface we will be using these web maps on our current internet page. It will compliment what we have already done not replace it.
3. Show Overview of MDT AGOL Site and MT.GOV
 - a. Webpages
 - i. Carousel of featured maps
 - ii. <http://mt.gov/>
 - iii. <http://montana.maps.arcgis.com/home/index.html>
 - iv. <http://ceic.maps.arcgis.com/home/index.html>
 - v. <http://mdt.maps.arcgis.com/home/index.html>
 - vi. <https://app.doj.mt.gov/apps/svow/>
 - vii. <http://bit.ly/19PuvzD>
 - b. Embedding in existing sites
 - i. <http://www.mdt.mt.gov/applications/datastats/wetlands.shtml>
 - ii.  8_Environmental Wetlands Webpage_New.htm
 - iii.
4. Collaboration of state agencies working together through sharing data and efficient communication
 - a. MDT and FWP
5. AGOL works at all levels
 - a. Management – meetings, quick information, public presentations and references. Transparency
 - b. Users – creation of new maps and displaying of new data
 - c. Don't care about software and users should not even know. It does not matter. Less clicks to get what they want
 - d. Facilitates positive working relationships
 - e. Gives decision makers a means for more informed decisions by empowering them with the tools they need to make those decisions.
 - f. Business units are able to see their data viewed in a spatial format, improving understanding.