

MMA and MEGUG Technology Conference Augusta Civic Center, Augusta - March 11, 2010

2010 Maine GIS Undergraduate Poster Contest

8:45-3:30

Androscoggin-Aroostook Room

- Winners will receive scholarships and prizes, as well as award certificates.
- Winning posters will be added to the Maine GIS Championships on-line gallery.
 - People's Choice Ballots available at Registration Desk

8:00 to 8:45

Registration

8:45 to 9:45

Opening Session in Banquet Room

10:00 to 10:45

Cumberland Room

Mike Smith, MEGIS & Dan Walters, USGS

Local, State, and Federal GIS data sharing in Maine

One question municipalities often ask is how they can get "their" data into state (MEGIS) and federal (USGS) databases. In this presentation Dan and Michael will provide an overview of various programs which share data across the governmental spectrum. These will include boundary data, hydrography data, orthoimagery, and the Maine GeoPortal

Michael Smith received a B.S. in Wildlife from Texas A&M and his Masters in Wildlife from the University of Washington. He is the director of Maine Office of GIS and is a member of both the Maine GIS User Group Board and the GeoLibrary Board.

Dan Walters is currently the US Geological Survey Geospatial Liaison for Maine. Prior to joining USGS Dan was the GIS Administrator for the State of Maine and managed the Maine Office of GIS for 18 years. Additional GIS experience includes managing the Rhode Island GIS (RIGIS) and private consulting. He has BS degrees in Forest Science and Agronomy from Penn State University, and a BS in Civil Engineering and MS in Environmental Chemistry from the University of Rhode Island. Dan is currently the chairman of the Maine GIS User Group and has served several terms as at-large Director.

Doug Suitor, MEDEP

NHD Tutorials for Water Quality Projects

The Bureau of Land and Water Quality within the Maine Department of Environmental Protection (MEDEP) is highly committed to supporting the implementation of The National Hydrography Dataset. Part of our program includes designing NHD Tutorials that utilize Maine based data and that also target strategic goals for such projects as habitat barrier removal and improved water quality. This tutorial will introduce you to the fundamental tasks required to access and utilize our online-NHD tutorials. It will focus on using NHD in everyday applications. Examples will include entry-level functions: such as adding NHD data to display surface waters relative to road culverts to more advanced tasks that help determine areas targeted for watershed improvements.

Doug Suitor received a B.S. Zoology at the University of South Florida. He is currently employed by the Maine Department of Environmental Protection.

Androscoggin/Aroostook Room

Drs Office

GeoPortal, Metadata, and other GIS questions

11:00 to 11:45

Cumberland Room

Stephenie MacLagan, MEDEP and Mike White, Dirigo Spatial Mapping Shoreland Zoning

GIS provides a perfect platform for the preparation of Shoreland Zoning data and maps. While there are many data sets and tools at your disposal, knowing which ones, and how the data should be organized can facilitate prompt approval by Maine DEP. This presentation provides a basic understanding of the data and organization of GIS layers that are proven to satisfy DEP needs, as well as the municipalities. Real-world examples and diagrams are used to illustrate basic concepts used for successful preparation of Shoreland Zoning maps. This presentation is intended for municipal employees who will be involved in Shoreland Zoning, but do not necessarily have an in-depth knowledge of GIS.

Stephenie MacLagan received her B.S. in Environmental Policy from Unity College. She is an Environmental Specialist at the Maine Department of Environmental Protection.

Mike White received his BS and MS in Surveying Engineering from the University of Maine. He is the founder and President of Dirigo Spatial Systems, and a Board Member of the Maine GIS User Group.

Fred Dibello, Stantec & Aimee Dubois, Town of Scarborough Mapping Vernal Pools

Vernal pools are a type of seasonal or temporary wetland that provides essential breeding sites for certain species of amphibians in Maine and the Northeast. Though vernal pools are protected under state and federal regulations, they can easily be overlooked due to their seasonal nature and therefore must be identified in the spring. Recent advances in digital aerial photography and photogrammetry software and hardware allow wetland scientists to identify potential vernal pools over large geographic areas using spring-time imagery. In the last few years, several Maine towns have opted to take a proactive approach to mapping vernal pools within their boundaries. This presentation describes the new remote sensing technology, how it integrates with GIS, and the steps that towns can take to identify vernal pools as part of their land use planning

Fred is a Wildlife Biologist and Wetland Scientist for Stantec Consulting in Topsham.

Aimee Dubois, the Vice Chair of MEGUG, received a BA in Mathematics and Economics from the University of Maine. A member of the GeoLibrary Board, she is the GIS Coordinator for the towns of Scarborough and Saco.

Androscoggin/Aroostook Room

Drs Office

GeoPortal, Metadata, and other GIS questions

Lunch and Keynote Speaker

12:00-1:30

James H. Page, PhD

Chief Executive Officer, James W Sewall Company

Readying Municipalities for the Future with Spatial Technology

Dr. Page will present a select overview of the way spatial technologies are expected to support municipal decision making, with particular emphasis on policy challenges and opportunities facing predominately rural communities such as those found throughout Maine

Dr. Page is the Chief Executive Officer of the James W. Sewall Company in Old Town, Maine, which provides comprehensive consulting services in forestry, engineering, and geographic information management for municipal government, utilities, and the natural resource industry. Dr. Page joined the James W. Sewall Company in 1997 following a career in academia. Dr. Page is also an Adjunct Professor as well as a member of the Board of Visitors at the University of Maine at Orono. He is the founding director of the Gulf of Maine Oceanographic Observing System and of the Maine GeoLibrary Board, Chair from 2006 to 2008.

1:45 to 2:30

Cumberland Room

Tora Johnson, UMM & Charlie Colgan, USM

GIS Workforce Study

Tora Johnson and Charlie Colgan will present the results of a study funded by the National Science Foundation looking at GIS education needs among Maine's workers. The study, involving focus group interviews and a statewide survey, is helping to reshape GIS programs in Maine's colleges and universities to better meet the needs of Maine's economy. These changes are making GIS education more accessible and practical for municipal workers across the state.

Tora Johnson is the director of the GIS Laboratory and Service Center at the University of Maine at Machias. She is the principal investigator on a statewide initiative funded by the National Science Foundation to improve and expand geospatial technology education in Maine.

Professor Colgan currently holds the Russell Chair in Education and Philosophy at U.S.M. and is a Professor of Public Policy and Management in the Muskie School where he teaches economics, policy analysis, economic development, and courses in analytic methods. He is chair of the Community Planning and Development Program and Associate Director of the U.S.M. Center for Business and Economic Research and the University of Maine System Center for Tourism Research and Outreach. He also currently holds positions as a Research Fellow at the United States Bureau of Labor Statistics and Chief Economist for the National Ocean Economics Program. Dr. Colgan is also Chair of the State of Maine Consensus Economic Forecasting Commission. Prior to coming to USM, he served 12 years in the Maine State Planning Office, including positions as Maine State Economist and Special Assistant to the Governor for International Trade.

Androscoggin/Aroostook Room

Drs Office

GeoPortal, Metadata, and other GIS questions

2:45 to 3:30

Cumberland Room

Steve Weed, Bar Harbor Assessor

Linking Parcels to Deeds

The Town of Bar Harbor uses GIS to link parcel data to deed records at the Hancock County Registry of Deeds allowing staff and the public easy access to parcel and deed records through the Web. The same system is also used to link zoning, and other records into one centralized information portal.

Steven Weed has been the Assessor for the Town of Bar Harbor Since 2000. He has also is serves as the GIS Coordinator, Deputy It Director for the Town. In addition to his Municipal duties Steve served on the Strategic Plan Committee for the Maine Geo-library Board, and continues to serve of the Geo-parcels and Parcel Standards workgroup for the Geo-library. In 2009 Steve was elected to board of directors of MEGUG.

Judy Colby-George, Spatial Alternatives

Heart and Soul of Damariscotta

The Heart & Soul project in the town of Damariscotta is a multi-year project combining traditional town planning, new technologies, storytelling, and a collaborative process. GIS has been an integral part of this process. Over the past few months, we have been developing models designed to measure the values that have been derived from various public meetings. These values include Living and Working Locally, Culture and Nature Meet, Town is Accessible, and a Sense of Community. A four day charrette was held in October, with the intention of helping the community to express and visualize various options for growth along Route 1B. We will focus on how GIS informed this process and how it will be used as the town moves forward with various options.

Judy Colby-George received her MS in Land Resources and her BS in Geography from the University of Wisconsin in Madison. She is the principal of Spatial Alternatives in Yarmouth.

Androscoggin/Aroostook Room

Drs Office

GeoPortal, Metadata, and other GIS questions

3:45 to 4:00

Poster Competition Awards

4:00 to 4:30

MEGUG Business Meeting