

Towson GIS Conference Abstracts (2000 & 2001) by MC:MAPS

- Building Interactive Maps, Web GIS Applications, and Image Services - 2001
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- The Montgomery County, Maryland Inter-agency GIS Portal: a Virtual Forum for Sharing GIS Resources on the Web - 2001
- Web as an Effective Medium for Delivering GIS Services - 2001

Presenter: Chris Daniel

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Presentation Title: Montgomery County Intranet Mapping and Metadata Applications

Abstract:

The Montgomery County Department of Information Systems and Telecommunications - GIS Services Team (DIST-GIS) is developing Intranet mapping and metadata applications to serve and to manage geo-spatial data and information. Intranet mapping and metadata applications, developed by DIST-GIS, are currently served from the DIST-GIS web site, maintained on a Windows NT 4.0 Server, to County departments through the GIS local area network. The "GIS Map Room on the Net", a collection of on-line base maps and geo-spatial (department specific) information, is the virtual forum used to serve mapping applications and metadata throughout the Montgomery County government. Cyber visitors need only use their Netscape 4+ or Internet Explorer 4+ web browsers to display, search, browse, query, and print map features and metadata.

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Abstract Title: Building Interactive Maps, Web GIS Applications, and Image Services

Abstract:

The Montgomery County Government Department of Information Systems and Telecommunications - GIS Services Team (DIST-GIS) has published dynamic map and image services on the County Government Intranet and Internet web sites (gis.co.mo.md.us & eMontgomery.org) in order to deliver GIS and mapping services at low cost to government personnel and the public. Map galleries, image services, and map services enables users to display, search, browse, analyze, query, and print map features and one-foot orthophoto images. These services will be combined with other Montgomery County (MC:MAPS) map services to form Montgomery County GIS in the coming year.

Presenter Information:

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Presentation Title: Creating and Optimizing Web Maps Using Graphics Software

Abstract:

Many organizations that host GIS Web sites display maps on the Internet. Simply converting an ArcView layout or an ArcPlot map to a JPG file is the easiest – but usually not the best – method to create maps for Web publication. Montgomery County has dramatically improved its online map gallery by exporting GIS presentations into graphics packages such as Adobe's Photoshop, ImageReady, Illustrator, and Acrobat to create more legible online maps with faster download times. These programs also make it possible to develop printable online atlases. For example, a user can click a grid on an index map to view a printable, resizable, and searchable map page. The individual advantages of several Web-compatible graphics formats (GIF, PNG, JPG, & PDF) will also be discussed.

Moderator: Sigi Sharp

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Abstract Title: From Legacy Systems and Mindsets to a Browser based Enterprise GIS

Abstract:

The Washington Suburban Sanitary Commission (WSSC) is the 7th largest water utility company in the nation. Its service area (Montgomery and Prince George's Counties) is 1,000 square miles with a housing population of over 1.5 million. Faced with the prospect of privatization, the alternative was to downsize and re-engineer. GIS technology is being used to aid in this transformation. Paper maps are being replaced, work flows are being redesigned as people augment their business processes through applied spatial intelligence. There is an ever increasing demand for access to the GIS from the field. Providing accurate, reliable high performance data access to the GIS is always an issue.

This presentation will address the many technological, logistical and political obstacles encountered and the solutions implemented in the quest for an enterprise wide GIS.

Moderator: Dave Michelson

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Abstract Title: MCPS GIS On the Web...

Abstract:

One of the responsibilities for the Montgomery County Public Schools (MCPS), Department of Planning and Capital Programming is the maintenance of school boundaries. This includes providing Montgomery County Citizens and MCPS employees with address based school assignments. In order to disseminate school assignments more effectively, the MCPS Department of Planning and Capital Programming developed an Internet based application using ESRI's MoIMS. The application provides a user-friendly way to obtain a school assignment for any Montgomery County address. The application provides information about the school facility, a general map of the citizens' address, a general map of the schools boundary, and a general map of the schools location.

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Presentation Title: The Montgomery County, Maryland Inter-agency GIS Portal: a Virtual Forum for Sharing GIS Resources on the Web

Abstract:

The Montgomery County Mapping Automation and Preparation System (MC:MAPS), a consortium of departments and agencies using GIS in Montgomery County, Maryland, recently formed a sub-committee to design and develop a web site or portal to avoid duplication, to coordinate and enhance geo-spatial data development and maintenance, and to deliver geo-spatial data, metadata, applications, maps, and information to casual and advanced users throughout Montgomery County government departments, agencies and affiliated municipalities. This presentation will focus on the integration of web-based GIS applications and services currently maintained by various MC:MAPS members and affiliates.

Presenter: Apollo Teng

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Abstract Title: Web as an Effective Medium for Delivering GIS Services

Abstract:

Leveraging the numerous maps that the County GIS Team has created for customer departments over the years, as well as the vast collection of GIS data layers in the repository, utilizing both the web and 'web GIS' technologies, the Montgomery County GIS Team has developed and deployed several GIS services on the County Intranet (A smaller set is also available on the Internet). These static and interactive map services have proved to be an effective and efficient way of providing GIS services to the citizen in general and to the County end-users in particular.