

Emerging Issues GIS and Visualization

GIS-T Oklahoma City, April 5-8



Introduction

- GeoMedia WebMap Professional release history
- Functionality progression
- User base and profile



Release History

- GeoMedia WebMap (version 1.0) first released in 1996 as a web development toolkit.
- Currently on version 6.1.
- WebMap was first vector output in a web mapping product (CGM) using ActiveCGM.
- Also provided JPG raster output.
 - Later added PNG and SVG output



Functionality Progression

- Product evolved to include server-side analytical capabilities (GeoMedia WebMap Professional)
- Introduced more sophisticated transportation analysis:
 - Routing,
 - LRS Precision Control,
 - Dynamic Segmentation
- Incorporation of OGC standard web services
 - WMS
 - WFS
 - Coverage



Functionality Progression

- Use GeoMedia desktop (WebMap Publisher) as a visual authoring environment to create a mapping web site without any programming.
- WebMap Publisher to create standardized web services.
- WebMap Publisher to create Google Maps or Microsoft Virtual Earth mashups.



Continued Evolution

- More and more SDI capabilities--OGC/ISO/INSPIRE standardized web services.
- Server-side, services-oriented architecture .
- Centralized, enterprise administered metadata.
- Advanced feature model



Target Market Sectors

- Originally:
 - Local, regional, national governmental agencies
 - State and regional transportation agencies
- Has evolved to include:
 - Defense and intelligence agencies
 - Utilities and communication agencies/companies
 - Public safety agencies



Customer Profiles

- Kansas DOT
 - KGATE
 - Road Condition Reporting System (RCRS)
- Oklahoma DOT
 - Geographical Resource Intranet Portal (GRIP)
- South Carolina DOT
 - Integrated Transportation Management System (ITMS)
 - RIMS Routing
- Penn DOT
 - Internet Traffic Monitoring System (iTMS)
 - Cultural Resources GIS (CRGIS)



Customer Profiles

- Nebraska DOR
 - Nebraska Enterprise Centerline Transportation Attribute Resource (NECTAR)
- Ohio DOT
 - Ohio Geographically Referenced Information Program's (OGRIP)
- Florida Turnpike Authority
 - Enterprise Asset Management System (TEAMS)
- New Jersey Transit
 - Bus Service Planner

