

# I TEAM CONNECTIONS

JANUARY 2003



Collaboration and coordination are essential to organize the production, stewardship and exchange of data in a National Spatial Data Infrastructure. I-Teams and other information consortia supply some of the tools necessary to collaborate and coordinate. Collaboration and coordination cannot occur without communication. We need to keep all members of our national I-Team network informed and connected. Hence, **I-Team Connections**. In these pages you will find news and information to help connect you to what is happening in Washington, DC and in state and local venues across the nation.

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## GOVERNOR LEAVITT CALLS FOR AGGREGATING LOCAL PLANS

In an address to the National Electronic Commerce Coordinating Council at its recent annual conference in New York City, Utah Governor Mike Leavitt called for a coordinated national homeland security strategy that is an aggregation of local plans. Speaking on behalf of the Western Governors Association, Governor Leavitt said "we can't fight a networked enemy with a mainframe construct."

Echoing the sentiments of the National States and Geographic Information Council in its Declaration of Interdependence currently circulating in the States, Governor Leavitt reminded the audience that the capacity to respond is local and the focus cannot be on homeland security alone. "First responders are state and local officials, law enforcement, and fire departments. The needed information and tools are not unique to homeland security. They must be considered in the context of the daily tasks of government, in a way that makes those primary tasks more efficient."

Governor Leavitt cautioned against creating a whole new system to address homeland security. This inadvertently could result in an increase in Federal power. Rather, the challenge is to integrate, horizontally and vertically, the information and technical capabilities that exist at all levels of government. "This is a grueling task," said the Governor, "one of the most challenging things our society will face, technically and socially."

According to the governor, the most difficult aspect of the challenge is the lack of budget interoperability and the lack of recognition of the importance of coordination. "Resources must be devoted to the integration of information. Currently, everything is so siloed. Nothing is devoted to this kind of interagency, intergovernmental cooperation and integration."

*(Utah was the first state to declare itself committed to the I-Team process and the first to submit an I-Plan. It is a leading example of state/local information coordination.)*

**"We can't fight a networked enemy with a mainframe construct."**

**--- Governor Mike Leavitt  
Utah**

## I TEAMS WORK

By Ronald F. Matzner, National I-Team Coordinator

### Federal Enterprise Architecture and I-Teams

The Federal Enterprise Architecture (FEA) is a business-focused framework for cross-agency government. It is a non-organizational, business view of the Federal government. It allocates assets along business lines and is being used as a fabric for the budget process. Although it is being designed for the federal government, it also has significant implications for state and local jurisdictions, as well as I-Teams.

**“We cannot be successful in homeland security or anything else without an effective federal/state/local partnership.”**

**— Norm Lorentz  
Chief Technology Officer**

Norman Lorentz is the chief architect of the FEA. The FEA is being developed on his watch as Chief Technology Officer (CTO) at the Office of Management and Budget (OMB). In comments made in a featured presentation at the National Electronic Commerce Coordinating Council (NEC3) Annual Conference in New York City, Mr. Lorentz began by asserting the important role of state and local information in an effective and efficient FEA.

“We cannot be successful in homeland security or anything else without an effective Federal/State/local partnership,” said Mr. Lorentz. “We need to make that work by connecting the dots to the state and local jurisdictions through a robust enterprise architecture organized along lines of business with a citizen focus.”

Mr. Lorentz spent the better part of an hour describing the FEA to the audience of state CIOs, IT professionals, Auditors, Comptrollers, treasurers, secretaries of state, and other state government leaders assembled for the NEC3 conference. It is safe to say they were impressed by the magnitude of the work that Mr. Lorentz and his staff have accomplished in a relatively short time.

The Clinger-Cohen Act of the mid-1990s created the requirement for a business-focused, cross-agency federal government. However, there never has been a cross-agency Federal enterprise architecture. OMB created the Office of Technology in February 2002. Mr. Lorentz became the first CTO shortly after that. He and his staff produced a first draft of the FEA during the summer of 2002. They have been collecting comments from federal agencies and expect to release a second draft in December to them for review, with public release expected in February 2003.

(continued on page 3)

### Alaska

The Alaska Geographic Data Committee (AGDC) has established a goal of completing an I-Plan by the time the National ASPRS Conference meets in Anchorage in May, 2003.

A considerable amount of framework data work is being advanced in Alaska, much of it under the leadership of federal agencies. The I-Plan will document that work and develop an organized process for its further advancement.

Orthoimagery acquisition is underway on the North Slope under the lead of BLM and USGS. Extensive work on control, DEM, and orthoimagery are part of the Tanana Valley NASA Project.

### ACTION AROUND THE STATES

A national hydro layer (NHD) is nearing completion under BLM leadership. DOT has statewide center-line data on-line via the state clearinghouse. A major cadastral project has been launched by BLM and the Alaska Department of Natural Resources (<http://cadastral.info>). Updates to governmental units and community profiles are being led by the Alaska Department of Community and Economic Development.

The next general membership meeting is scheduled for Thursday, January 30, 2003.

## MORE I TEAMS **WORK**

(continued from page 2)

The FEA is a collection of five interrelated models designed for cross-agency analysis and collaboration. One is a data reference model. According to Mr. Lorentz, “data is the key to the promised land. How we manage that precious data is critical to success. Information is data that has been acted upon, leading to higher quality decisions in a shorter period of time.

Performance, business, service, and technical models complete the intricate design. In the business reference model, the FEA identifies 35 lines of business, and 130 functions and sub-functions. Mr. Lorentz indicated that in many cases, 10 or more federal agencies engage in the same lines of business.

In some lines of business supporting delivery of services, nearly every federal agency is engaged, leading to waste and redundancy.

The performance reference model identifies the most effective agency or component of government to collect information or deliver services. This component architecture leads to the cross-agency alignment of business lines, which has an enormous potential to identify redundancies, align resources, and transform government. “It supports reusability, portability, and interoperability,” said Mr. Lorentz, “and leverages existing agency investments.” It recognizes geographic data as assets and embodies the National Spatial Data Infrastructure principal of “collect once, share many times.”

Although the FEA applies to federal agencies, its success clearly depends upon state and local participation. It really implies a national enterprise architecture, because federal agencies must rely upon State and local jurisdictions for high quality, current, and accurate data. For example, the FEA reference models may point to the US Census Bureau as the steward of street centerline or government boundary data, but Census is going to have to rely on state and local jurisdictions for the raw material.

According to Mr. Lorentz, the federal government must intensify its efforts to connect with state and local governments. “Without vertical integration in the collection and use of data, the miracle will not happen.”

I-Teams are existing embodiments of that vertical integration. I-Teams identify the most efficient and effective producers and stewards of data in a state or region based upon the business needs, resources, and performance capabilities of its members. They are obvious tools to identify FEA components and Implement State and regional portions of such an architecture.

For more information on the Federal Enterprise Architecture see [www.feapmo.gov](http://www.feapmo.gov). Mr. Lorentz’s Power Point presentation may be accessed at [www.ec3.org](http://www.ec3.org).

### American Samoa

The American Samoa GIS User Group (ASGISUG) has just completed a draft “American Samoa Spatial Data Infrastructure”. It is being circulated for review. A copy of the draft will soon be available on the new I-Team web site at [www.fgdc.gov/I-Team/library/I-Plan/ASamoa](http://www.fgdc.gov/I-Team/library/I-Plan/ASamoa).

ASGISUG is also working on getting an ftp server online, which will act as an online repository and data warehouse for island agencies and off-island collaborators.

### Arkansas

The PLSS I-Team met on November 22 to revise the PLSS I-Plan.

## ACTION AROUND THE STATES

### Colorado

The Government Units theme team held a day long meeting November 13.

### Colorado Plateau

The Colorado Plateau I-Team held a regional workshop on Oct. 22 to create a formal organizational structure. It agreed on an executive council with one representative from each state and one from any tribe within the five states that wishes to participate. There also is a tribal sub-committee. Since October, the team has created a

## O'NEILL ASSUMES POSITION OF ICMA EXECUTIVE DIRECTOR

Robert J. "Bob" O'Neill, Jr., assumed the position of executive director of the International City/County Managers Association (ICMA) on December 2, 2002. ICMA is an I-Team Strategic Partner. In that role, he is taking an increasing role in connecting local governments to state and federal information initiatives.

As executive director, O'Neill, a 30-year member of ICMA, will oversee all aspects of the association, including membership, staff, and implementation of the Executive Board's strategic objectives.

Prior to joining ICMA, O'Neill served as president of the National Academy of Public Administration (NAPA) from January 2000 to November 2002. NAPA is a nonprofit organization chartered by Congress to improve the design and management of federal, state, and local governments. From May through September 2001, O'Neill was on temporary assignment at the Office of Management and Budget as Counselor to the Director and Deputy Director on management issues. In that position, he coordinated various policy and program issues with government-wide management councils, including the President's Management Council, Chief Financial Officers Council, Chief Information Officers Council, Chief Procurement Executives Council, and the President's Council on Integrity and Efficiency. O'Neill also served as Fairfax County Executive between 1997 and 2000.

## PRESIDENT BUSH SIGNS E-GOV BILL INTO LAW

On December 17, 2002 President Bush signed into law the e-Government Bill. First proposed in April of 2001 by Senator Lieberman, the new law increases the federal government's efforts to put more services online and create a government that is in line with the online community. The law creates standards, funding, and oversight protection for all online government services. It also creates the position of a federal CIO to regulate policy and work to create a uniform online environment across all government agencies and groups. The bill authorizes \$345 million dollars over the next four years for use in the promotion of e-Government, a substantial amount according to Council for Excellence in Government VP Dave McClure.

The e-Government Act of 2002 also sets forth protocols for the geospatial community. The new provisions will work to reduce the redundant collection of data and to promote collaboration between agencies and groups. The law should be a great chance to further the growth of GIS and e-Government.

## TECHNOLOGY ADVANCES

### OGC Meeting

The OGC held its bi-monthly technical committee meeting in Thousand Oaks, California, December 9-13. A highlight was a review of the results from the OpenGIS Web Services 1.2 Testbed. It demonstrated a number of new interface designs in prototype to support access to and mapping of remote sensor data (environmental and visual), advances in Web Feature Services, and new Registry services to be folded into Catalog Services next year.

### Geography Mark-up Language

Geography Markup Language (GML) Version 3.0 is nearly ready. It is now posted for an electronic vote by OGC members. Upon approval, it will be used in Geospatial One Stop Implementation Annexes for ANSI Framework Data Content Standards.

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Tribal Lands Map, fact sheet and invitation letter to tribal leaders. Some theme leads have been designated. The I-Team meets bi-monthly. The last meeting was December 4.

### Delaware

See article on page 11.

### Hawaii

On, November 7, the Hawaii Geographic Information Coordinating Council (HIGICC) held a full-day data products workshop to explore the status of existing data layers in Hawaii. More than 70 people participated from all sectors of the geospatial community. The HIGICC used the meeting as an opportunity to discuss partnering opportunities, the status of current

## ACTION AROUND THE STATES

data  
coord-

dination in the State, and the opportunities offered by the I-Team and The National Map. At least seven federal agencies were represented. The HIGICC will prepare a Forum report summarizing the existing status of datasets, including barriers and resources. They also established 16 sub-committees, each representing a data layer. Volunteers on each subcommittee have begun drafting an I-Plan for the data layer. The I-Team will meet in February to review the progress of each group.

### Georgia

See article on page 13.

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### Catalog Services Specification

Catalog Services Specification Version 1.1.1 was published. It enables geospatial search for data, such as in clearing-houses. There also was a call for participation in a Revision Working Group for Catalog Services to address support for more than just data catalogs, such as catalogs of services, schemas, and thesauri.

### OGC Web Services 1.2

A demonstration of the OGC Web Services Initiative Phase 1, Thread 2 was held at Lockheed Martin's facility in Gaithersburg, Maryland on November 22. The well-attended live demonstration of geospatial interoperability drew on three emergency response situations in a mock Department of Homeland Security Emergency Operations Center.

Some of the work in OWS 1.2 focused on enhancing existing OpenGIS Specifications such as Geography Markup Language and Web Feature Server. Other work defined new interfaces that may someday become specifications, including such technologies as image handling, Web-based sensor planning and collection, service registries, symbol/style management, and composite services (linking or chaining one service to another).

### OGC Web Services 2

OGC Web Services 2 (OWS-2) will include a Feasibility Study that will support development of requirements for the next phase of the OGC Web Services (OWS) Initiative. OGC issued a Call for Sponsors. The OWS-2 Feasibility Study will seek community input and technology concepts to support efforts directed at understanding emerging technology areas for the next-generation of Web-based, interoperable geoprocessing and location services. <http://ip.opengis.org/ows2/>.

### Open Location Services

OGC members demonstrated the capabilities of OGC's first set of OpenLS specifications at a GIS in Telecomms symposium held in Nice, France November 18-21. This event provided a venue to publicly demonstrate a set of prototype interfaces and schemas that support Location Based Services (LBS) interoperability. These interfaces will be refined and advanced by OGC members for approval and global release as adopted OpenGIS Implementation Specifications.

### Geographic Objects Feasibility Study

A Geographic Objects Feasibility Study examined the possibility of extending OGC web services technology to other distributed computing environments by leveraging a robust modeling approach for interoperability. A future Geographic Objects initiative is planned to encourage and influence capabilities that are consistent with emerging OGC Web Services and portable to other distributed computing environments through a robust set of models. Parties interested in reviewing the study or considering potential involvement in future activities related to this effort should visit <http://ip.opengis.org/go1/>.

### Conformance and Interoperability Test and Evaluation Initiative (CITE)

This is the first of a series of initiatives to drive out a more automated process for conformance testing and for validating

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## MORE TECHNOLOGY **ADVANCES**

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the ability of specific products to interoperate with other OpenGIS-based products.

### Geospatial One-Stop (GOS) Transportation Pilot

OGC is developing and prototyping a schema translation capability as part of the GOS Transportation Pilot to enable cooperating government organizations and others to share their geospatial information despite differences in data models.

### Geospatial One Stop Portal

OGC also is assisting the GOS government team in the completion of a Call for Additional Requirements for the Geospatial One-Stop Portal (see <http://www.geo-one-stop.gov/cfar/>). Respondents to the Call for Additional Requirements will help the Geospatial One-Stop Portal Team of state, local, and federal representatives develop the functional requirements of the Portal. The GOS Portal will rely in part on interoperability specifications such as those published by OGC.

### Critical Infrastructure Protection Initiative (CIPI)

CIPI has two phases currently underway. CIPI-1 focuses on the border area between Detroit, Michigan, USA and Windsor, Ontario, Canada. It will implement a limited but operational interoperable infrastructure to support a transportation-related critical infrastructure threat scenario. In CIPI-2, the Geography Division of the U.S. Census Bureau will use OGC's rapid-prototyping approach to develop two capabilities. The first is an online system to update governmental unit boundary information for existing incorporated places. The second is a system based on OpenGIS Specifications for serving TIGER data. Both initiatives endeavor to engage jurisdictions from all levels of government in cooperative data and service sharing in support of Critical Infrastructure Protection.

For more information on OGC's Interoperability Program and its initiatives, please contact Jeff Harrison at [jharrison@opengis.org](mailto:jharrison@opengis.org). Visit the OGC at <http://www.opengis.org>.

## METROGIS PLANS PILOT PROJECT TO ALIGN HSIP AND LOCAL NEEDS

MetroGIS plans to begin a pilot project in January 2003 to align local emergency preparedness needs with data needs identified for the national Homeland Security and Infrastructure Protection (HSIP) program. It also will identify opportunities for sharing development and hosting of related commonly needed geo-applications that run on top of endorsed regional data solutions. Randy Knipple, GIS Manager for Dakota County, Minnesota, and Rick Gelbmann, GIS Manager for the Metropolitan Council have agreed to co-lead the pilot project.

MetroGIS is a regional collaborative in Minnesota composed of Minneapolis, St. Paul, seven counties, and nearly 300 local jurisdictions. It recently designated itself an I-Team, having long been dedicated to the policies and principles of the I-Process.

### New Business Plan

The pilot project conforms to a new emphasis on user needs and applications in the MetroGIS 2003-2005 Business Plan. The plan, approved by the MetroGIS Policy Board in October, proposes that MetroGIS explore an expansion of its functions to foster the sharing and/or development of geodata applications that respond to common user needs and reduce support costs for producers.

Until this point, MetroGIS has focused on facilitating the sharing of geospatial data, with a low priority on sharing applications. According to Randall Johnson, MetroGIS Staff Coordinator, "changing technology and user expectations have increased interest in more direct access to user-friendly

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### Indiana

The Indiana Geographic Information Council (IGIC) is continuing its survey of local framework. Responses are complete from seventy-seven of ninety-two counties. IGIC has received a \$54,000 grant to complete the remaining counties. It is coordinating with Purdue University. IGIC has identified thirty-five counties with GIS proficiency and has submitted to them as a test pilot framework template tools provided by the Federal Geographic Data Committee. The templates contain essential information that needs to be included in I-Plans and aligned with planned Federal data activities.

The I-Team continues to work closely with the Indiana Counter-Terrorism and Security

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Council (CTASC). IGIC has been awarded a \$500,000 ESRI grant for software training and education through CTASC for the IndianaMAP Crisis and response Center.

### Louisiana

See article on page 12.

### Maine

See article on Maine Homeland Security proposal on page 12.

On November 5, Maine voters approved an Envi-

**METROGIS PLANS PILOT PROJECT TO ALIGN HSIP AND LOCAL NEEDS (CONT)**

*(continued from page 6)*

information. The Policy Board believes this has elevated applications to a higher priority for the region. The focus on applications also is being raised at the national level, as high quality data becomes more available and users see new opportunities for creating better information to support decision-making.”

*Regional Datasets*

The new business plan also calls for an increase in the number of regional datasets, endorsed by the MetroGIS community, that meet priority common information needs of the MetroGIS stakeholder community. Currently, there are seven. The regional datasets are interoperable and are intended to be components of NSDI Framework Themes.

Existing datasets include planned land use, parcels, addressable street centerlines, 1990 and 2000 census geography, municipal/county boundaries, and land cover. Work has begun on five additional common information needs of the MetroGIS community: highways and roads, socio-economic characteristics of specified areas, existing land use, lakes and wetlands, and jurisdictional boundaries (school and watershed districts).

*Peer Review Forum*

MetroGIS hosted a peer review forum on October 24 to begin the process of identifying a regional solution to the “highways and roads” priority common information need. The forum brought together over 30 users of road data, from a wide variety of professional backgrounds and diverse public and private sector perspectives. A wide-ranging discussion of the desired specifications for a regional solution ensued.

Next, a project team will form to identify existing data that may meet the information need, as well as any data gaps. The team will incorporate the Geospatial One Stop Roads Data Content Standard currently being developed into its recommendation for a regional solution.

Users may access MetroGIS regional datasets at DataFinder Café, a registered node of the National Geospatial Data Clearinghouse. There are 130 datasets in the Café ([www.datafinder.org](http://www.datafinder.org)). DataFinder Café, launched in July 2002, provides a state-of-the-art downloading functionality. The user can specify a geographic area of interest within the Metro Area, select among data themes and attributes, and choose among several data formats

For more information contact Randall Johnson, MetroGIS Staff Coordinator, at [randy.johnson@metc.state.mn.us](mailto:randy.johnson@metc.state.mn.us).

ronmental Bond that included \$2.3 million for populating the Maine Library of Geographic Information (GeoLibrary). The State Appropriation Committee expects approximately \$1.6 million of that sum to be used for new orthoimagery if matching Federal funds are available.

The Maine Office of GIS (MEGIS) has established a subcommittee to develop specifications for the acquisition of the new orthoimagery. Mike Smith, DEP, is chair of the new subcommittee. Larry Harwood, MEGIS State/local GIS Coordinator, is providing

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staff support and leading the RFP development. The subcommittee is planning to partner with the US Geological Survey through NAPP. It also has opened communication with the new Interagency Geospatial Preparedness Team recently constituted by FEMA, NIMA, and USGS.

The GeoLibrary will be headed by a Board of Di-

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TRANSPORTATION

## FEMA, NIMA AND USGS FORM PREPAREDNESS TEAM

The Federal Emergency Management Agency (FEMA), National Imagery and Mapping Agency (NIMA), and US Geological Society (USGS) are putting the finishing touches on their Memorandum of Understanding, which establishes an Interagency Geospatial Preparedness Team (IGPT).

Recognizing the increasingly urgent need for national geospatial preparedness, the three agencies have agreed to lead an interagency team in support of homeland security and emergency response to all kinds of natural hazards. By working together with the entire geospatial community, IGPT hopes to streamline the acquisition of accurate and timely geospatial data, and develop a nationally consistent database of geospatial information and products, broadly accessible across all levels of government.

The three agencies believe that the mission of the IGPT is to identify, coordinate, and reconcile, within a national preparedness and homeland security context, cross-federal geospatial resources and initiatives into activities, policies, and products that are mutually supportive at the federal level, and which are principally designed to support state and local requirements.

As one of its first steps, the Geospatial Preparedness Team plans to assess the need at the local level for geospatial resources to support all-hazards emergency management and homeland security missions. At the same time, it will assess the current availability of data and evaluate the gaps between needs and existing data holdings.

IGPT leadership plans to examine and utilize recently completed and on-going assessments of geospatial needs and capabilities conducted by state GIS Councils, I-Teams, Homeland Security Task Forces, federal agencies, and other organizations. It will also coordinate with and leverage national initiatives such as the planned Geospatial One Stop survey that Public Technology Inc. and The International City/County Managers Association soon will begin.

NIMA has assigned Sue Kalweit to be the Team Chief. Tom Connolly, from USGS, and Leslie Weiner-Leandro, from FEMA are the Deputy Team Chiefs. All three are located at FEMA. The IGPT e-mail is [IGPT@fema.gov](mailto:IGPT@fema.gov).

rectors. The Board held its first meeting on November 23. The Board will become the Maine I-Team. The GIS Executive Council has been functioning as the Maine I-Team pending reorganization of the I-Team under the responsibility of the Board. USGS and FEMA have expressed the desire to be part of the I-Team when it is constituted under the GeoLibrary Board.

MEGIS has proposed

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sible budgets and a preliminary work plan for FY '04 and FY'05 for the GeoLibrary Board. It also is exploring the interrelationship of Homeland Security with the Board's budget and work plan.

#### Massachusetts

At its November 12 meeting, the Massachu-

Support GIS Coordination

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NSDI, I-Team, Geospatial One Stop message at

Regional and National Conferences

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## TECHNOLOGY ADVISORY GROUP MEETS

The I-Team Initiative Technology Advisory Group (TAG) held its quarterly meeting on December 9 in association with the OpenGIS Consortium's (OGC) Technical Committee meetings in Thousand Oaks, California. Thirty people attended, including representatives from eight I-Teams, NSDIPA, the FGDC equivalent in Japan, Natural Resources Canada, the Ordnance Survey, United Kingdom, Federal agencies, George Mason and Penn State Universities, and OGC members and staff. I-Teams represented were Alaska, Georgia, Kansas, Louisiana, Maryland, Montana, Pennsylvania, and Texas.

Participants received briefings on OGC activities since the last meeting. Mark Reichardt provided a quick update on OpenGIS Implementation Specifications adopted by the consortium as of December 9. The adoption of the Web Feature Service specification is particularly important since it provides the interoperability necessary to support web-based geodata maintenance.

Mark also reminded I-Team members that they can encourage continued industry incorporation of OGC and other industry standards by requiring OGC specifications in their procurements.

Derald Dudley of the Bureau of Transportation Statistics briefed members on the Geospatial One Stop Transportation pilot. This project will establish an initial capability to translate legacy data from local data models to an agreed upon application schema in GML derived from the standards and UML representations being generated in the Geospatial One Stop Transportation Model Advisory Team process.

Terry Idol of BAE Systems gave an overview of the OGC's Critical Infrastructure Protection Initiative, Phase 1 (CIPI-1). It establishes an operational framework of interoperable services to respond to a use case. The first pilot is on the Canada-US border and involves provincial, state, and local participants in Ontario and Michigan.

Paul Daisey, US Census Bureau, presented an overview of CIPI, Phase 2 (CIPI-2). It involves web-based dissemination, maintenance, and update of Boundary and Annex Survey information, as well as the dissemination of WebTIGER information. Local jurisdictions interested in participating in CIPI-2 to help validate the project capabilities should contact Paul Daisey at 303-763-4307 or Dorothy Stroz at 301-763-9050.

OGC has created a local government membership at the Associate Level. Associate Members will have non-voting membership in OGC's Technical Committee and have access to all written and electronic Technical Committee communication. Reduced annual membership dues and other benefits are listed on the OpenGIS website (click the "Join OGC" button). <http://www.opengis.org/info/membership.htm>.

FEMA, with the assistance of OGC, is forming a Community Advisory Group to help guide the development of Multi-Hazard Mapping Initiative (MMI) accessibility via a common web portal.

sets Statewide GIS Advisory Group endorsed a commitment to the I-Team process and preparation of an I-Plan. According to Vhristian Jacqz, "those present indicate substantial willingness to make individual contributions to the I-Plan elements."

### MetroGIS

See article on MetroGIS activities on pages 6&7.

The Urban and Regional Information Systems Association (URISA) in October bestowed on MetroGIS its prestigious national Exemplary Systems in Government (ESIG) Award for Enterprise Systems. The award recognizes "outstanding and working examples of using information systems technology in a multi-department envi-

### ACTION AROUND THE STATES

ronment as part of an integrated process."

According to the judges, "The system is an ambitious project and one that is still evolving. It has brought many units of regional and local governments together in order to create a comprehensive geodata system and a collaborative environment. These efforts, and the wealth of datasets and ease of access from a web-based interface, make the system an exemplary one that others can learn from and replicate"

URISA is a worldwide non-profit association of professionals using information technology to solve prob-

**BOOZ ALLEN HAMILTON SUPPORTS GEOSPATIAL ONE STOP**

The interactive Communications Network (Commnet) created by Booz Allen Hamilton to encourage dialogue and collaboration among members of I-Teams has reached its full expression in Geospatial One Stop.

Commnet is a website resource and collaboration tool. It is open to all participants of the Geospatial One Stop initiative. It is being used by Geospatial One Stop theme teams. Each team has its own location on the site. There are 10 teams, each working on the development of a minimum core data content standard for its data layer. Theme team members come from all over the country. The geographically dispersed theme team members have found the network to be an extremely useful common place to share documents, initiate dialogue, and organize team schedules.

Commnet has a library for posting and downloading files for each thematic layer. Each team has forums for discussing an issue using threaded e-mails. There is a calendar for posting meetings and other events, a search capability; and an e-mail link for receiving automatic e-mail notifications. It has a directory of users with contact and other information, a mechanism to establish a group for users to collaborate, and a news feature for posting and reading announcements to the entire community. For more information contact Linna Manomaitis at 703-917-2278 or manomaitis\_linna@bah.com.

**WASHINGTON STATE CONTINUES PROGRESS**

By Carrie Wolfe, Framework Coordinator

The State of Washington continues to develop detailed implementation plans for each of the framework data themes. The goal is to complete draft plans by February 2003 and have them ready in time for a Washington Geographic Information Council (WAGIC) Strategic Planning Workshop to be held in late winter or early spring.

WAGIC has obtained an executive level sponsor. The State's Information Services Board (ISB), a policy and standard setting body for IT, has formed a new subcommittee that will focus on strategic and enterprise use of geographic information technology.

Work continues on the major framework projects. The Hydrography Framework Project, collaborative effort between the States of Washington and Oregon, is nearing completion. When it is complete, Hydrography Framework data will be available from a clearinghouse server hosted by the Regional Ecosystem Office in Portland, Oregon.

The Transportation Framework Project is well underway through the leadership of the State Department of Transportation and project manager Tami Griffin. A diverse group of partners is participating in the project, collecting and prioritizing business needs. The next step is a gap analysis of required and existing data to meet the business needs.

The US Geological Survey sponsored a regional National Map strategic planning session on December 13, 2002 in Portland, Oregon. Representatives from the Idaho, Oregon and Washington I-Teams participated.

For more information, visit the WAGIC web site at <http://www.wa.gov/gic>.

**Geospatial One Stop Portal Design Team Meetings**

**Friday Mornings**

**9:30 a. m. to 12:30 p.m. ET**

To attend by telephone or in person contact:

Jeff de La Beaujardiere at 301.286.1569 or [jeff2002@sunrise.gsfc.nasa.gov](mailto:jeff2002@sunrise.gsfc.nasa.gov)

lems in planning, public works, the environment, emergency services, utilities and throughout state, regional and local governments.

**Minnesota**

The DEM and Flood Plain Mapping Working Group meets monthly. The last meeting was December 20th.

**Nebraska**

The Nebraska I-Team met in a full day session November 6 at the University of Nebraska in Lincoln. A draft of the Nebraska I-Plan was distributed to all members prior to the meeting. One of the primary agenda items for the meeting was the review, revision, and adoption of the

**ACTION** AROUND THE STATES

plan. The meeting generally afforded the GI user community in Nebraska an opportunity to share needs and explore coordinated data development. The session also focused on Nebraska's Land Record Modernization Study, the street centerline and address layer, and building an enhanced geospatial clearinghouse and data center for Nebraska. A copy of the draft I-Plan will soon be available on the new I-Team web site at [www.fgdc.gov/I-Team/library/I-Plan/nebraska](http://www.fgdc.gov/I-Team/library/I-Plan/nebraska).

**New Hampshire**

The New Hampshire Council on Resources and De-

**DELAWARE I-TEAM IMPLEMENTATION**

By Michael Mahaffie, I-Team Coordinator

The Delaware I-Team continues to meet regularly to fine-tune the nine data layers that make up the Delaware Spatial Data Framework. They also aim to make the framework a part of the everyday data environment.

At the last I-Team meeting on November 21, orthoimagery, high-resolution elevation, cadastral and centerline files were discussed and the annual Delaware Framework Report that must be submitted to the Governor was reviewed.

A subgroup has been created to research ways to integrate the cadastral data created by the state's counties with the transportation data sets that are maintained by the Delaware Department of Transportation (DelDOT), as none of the counties have their own departments of transportation. DelDOT maintains, and traditionally has mapped a majority of Delaware roads. The counties approve land-use changes, sign-off on the subdivision designs that create new roads and inform DelDOT through periodic updates of these changes.

Under the I-Team, the state and counties are working to develop a distributed, statewide dataset with shared stewardship responsibilities. Using this approach, counties produce and maintain the basic line work and attribute data, and the state contributes additional data as appropriate and serves as the coordinating body.

Another I-Team sub-group is working to craft a Request for Proposals for a statewide project to collect high-resolution elevation data, likely based on LIDAR imagery. A statewide contract would be negotiated, but the work would be completed on a flow basis, with lands mapped as funding becomes available. The I-team expects that a consortium of state and federal partners, including FEMA, NRCS, and the Delaware Office of Coastal Programs, will identify seed funding to pay for a portion of the state's coastal zone. The project would meet the accuracy and contour requirements for FEMA's flood mapping program

Meanwhile, the I-Team has taken delivery of the first pilot area of a statewide, false-color-infrared digital orthoimagery data set. Technical reviewers tested the pilot area during November and December. The first delivery of final product is expected early in 2003, with final, statewide coverage of the new imagery by summer.

The I-Team is in the early stages of working with state IT and public safety staff to make the Spatial Data Framework available as a base map for use in developing map-interfaces for the state's E-911 emergency centers. The E-911 centers would use data from, or direct links to, the Delaware DataMIL website.

Finally, the DataMIL team has added cadastral data from one of Delaware's counties to the DataMIL web site, which presents data from the State Framework in an on-line, browser based format. Cadastral data from the rest of the state is expected to be added in coming months.

velopment (CORD) considered the I-Team Initiative at its bi-monthly meeting on November 7. CORD consists of the Commissioners of New Hampshire's state departments and agencies. Ronald Matzner, National I-Team Coordinator gave a presentation, and answered the Commissioners' questions. At the conclusion of the meeting, CORD directed members of the New Hampshire geospatial community that were present to present a resolution to CORD endorsing commitment to the I-Team process for inclusion on CORD's January meeting agenda. On November 13, the New Hampshire GIS Advisory Committee (GISAC) voted to draft the resolution. In anticipation of passage of the resolution, GISAC has begun to designate I-Team theme leads. CORD will vote on the resolution on January 6, 2003

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**Oregon**

Oregon held the first in a series of geospatial data content standards forums on December 4. John Latimer, Oregon CIO gave opening remarks. There were 80 attendees, equally divided among the levels of government. The group agreed that the FGDC metadata and orthoimagery standards should be recommended for adoption as baseline standards for Oregon. An implementation plan for the metadata standard will be proposed as part of the standard.

**Pennsylvania**

The I-Team has been meet-

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## MAINE SUBMITS HOMELAND SECURITY PILOT PROPOSAL

By Dan Walters, GIS Administrator, State of Maine

Harry Lanphear, Maine CIO, has submitted a Homeland Security pilot proposal to Steve Cooper, CIO, Office of Homeland Security. The proposal was made in response to a request for proposals made by Mr. Cooper at the recent National Association of State Chief Information Officers (NASCIO) Annual Conference.

Maine proposes to develop a GIS and web-based Regional Incident Management System (RIMS) that would support early detection of a health-related or bio-terrorism incident, using geographic display to help reduce vulnerability, limit proliferation, and minimize damage. It would assist in response and recovery, allowing first responders, emergency management officials, and health officials to monitor and manage bio-hazard and health incidents regionally. The initial estimate of cost is \$875,000.

RIMS would be available to local, county, state, federal and provincial governments and would support collaborative efforts. The US Department of Agriculture, Centers for Disease Control and Prevention, the States of New Hampshire and Vermont, and the Province of New Brunswick, Canada, have all expressed interest in participating in the project. The Maine Office of GIS, Departments of Public Safety, Emergency Management, Agriculture, and Health, and the Office of the CIO would lead the test project on behalf of the State of Maine.

The project would also further the efforts of Maine and neighboring states to support federal initiatives such as The National Map and Geospatial One Stop. It also would implement evolving interoperability standards such as OGC WMS.

## LOUISIANA GOVERNOR SIGNS I-TEAM EXECUTIVE ORDER

Governor M.J. "Mike" Foster, Jr. signed an Executive Order on October 22 officially establishing the Louisiana I-Team. Under the executive Order, the I-Team will create a master plan for the development and management of the Louisiana Spatial Data Infrastructure, and involve all sectors of the Louisiana geospatial community.

According to the Executive Order, the master plan shall define and prioritize framework data layers, designate custodians for data layers, assess needed enhancements to the layers, and identify resources implementation and maintenance. The governor directs all departments, agencies, commissions, boards, and officers of the state to cooperate with the I-Team.

The Louisiana I-team has been active for over a year. The executive order was first presented to the governor in November 2001. The Executive Order designates the Louisiana Geographic Information Systems Council (LGISC) as the Louisiana I-Team. Sharon Balfour is the I-Team Coordinator. The Office of Information Technology provides support staff, facilities, and resources.

The Louisiana I-Team must submit an annual I-Team Status Report to the governor on the status of the I-Team and implementation of the I-Plan. Chad McGee, Louisiana CIO, recently delivered the first annual report to the governor.

In response to the Executive Order, the governor's Homeland Security Task Force has reached out to the I-Team. A first meeting was held on December 13.

The Executive Order may be found on the new I-Team web site at [www.fgdc.gov/I-Team/library/officialdocuments/](http://www.fgdc.gov/I-Team/library/officialdocuments/)

## GEORGIA TO JOIN I-TEAM EFFORT

The Georgia GIS Coordinating Committee (GISCC) passed a resolution endorsing a commitment to the I-Team process at its monthly meeting on December 6. The GISCC also endorsed a proposal that the Georgia Technology Authority (GTA) be the authorizing body for the I-Team.

The action by the GISCC was a direct result of a Forum convened by OGETA, Inc., the Open Geodata Consortium, in Atlanta on November 22 entitled "The I-Team Process in Georgia: The Georgia Technology Authority's Vision and Strategy." The forum was part of OGETA's monthly series of technology symposia.

More than 50 leaders of the geospatial community from all levels of government, the private sector, and academic institutions attended the Forum. Panel members were Charles Fleming, Manager of Informa

ing monthly to complete its I-Plan. At the November meeting, members crafted an outline and designated theme leads to draft sections of the plan. The drafts were reviewed at the December meeting.

Pennsylvania recently com-

### ACTION AROUND THE STATES

pleted a county survey of GIS resources. The survey partners were the Pennsylvania Geological Survey, the US Census Bureau, and Penn State Cooperative Extension. All 67 counties participated. An overview of the results were presented at the joint PAGIC/PaMAGIC meeting in September. Complete results may soon be viewed at the I-Team web-site at [www.fgdc.gov/I-Team/surveys/](http://www.fgdc.gov/I-Team/surveys/).

(continued on page 13)

## GEORGIA TO JOIN I-TEAM EFFORT (CONT)

(continued from page 12)

tion Technology, Georgia Regional Transportation Authority and chairman, of the GTA's GIS Advisory Committee, Gene Estensen, MIS and GIS Director, City of Marietta, Georgia, Rebecca Kemp, Chief, GIS Section, EPA Region 4, Ronald Matzner, National I-Team Coordinator, Federal Geographic Data Committee and Council for Excellence in Government, and Bruce Cahan, President, Urban Logic, and Chair of the I-Team Financial Solutions Team. Robert Woodruff, Director, Office of Technology, GTA, was the moderator. The panel and audience discussed the need for a more inclusive collaborative process in Georgia to implement the existing business plan developed in 1999 by the GISCC. The panel and audience concluded that the I-Team process could very well be that mechanism.

According to Mr. Fleming, "one of the steps in the I-Team process of most immediate interest to Georgia is to develop an accurate inventory of existing data assets at all levels of government and the private sector. This is an absolute necessity for Homeland Security and other purposes, and we are eager to cooperate with Federal and State authorities to accomplish this goal as soon as possible."

The GISCC also hopes to use the I-Team process to update and maintain the base map, develop cadastral and new imagery datasets, determine current needs at state agency level, and engage local jurisdictions.

## DECLARATION OF INTERDEPENDENCE MARCHES ON

The Declaration of Interdependence continues to march through the states. Since the date of our last newsletter, nine state councils are known to have endorsed the Declaration, including Nebraska (11/7/02), New Jersey (11/8/02), Louisiana (11/21/02), Kansas (11/22/02) and North Carolina (12/9/02). Other endorsees are the Indiana Geographic Information Council, the Missouri GIS Advisory Committee, the Mid-America Geographic Information Consortium, and the Iowa Geographic Information Council.

MetroGIS considered a recommendation to support at its meeting on December 18. The first opportunity for Policy Board action would be January 29, 2003. The New York State Council also has considered a recommendation to support.

The full title of the document is "Declaration of Interdependence: Saving Lives and Saving Money – An Urgent Call to Build the National Spatial Data Infrastructure in Support of Public Safety". The National States Geographic Information Council endorsed it at its annual conference in Park City, Utah, in September. Al Leidner, Deputy Commissioner of Information Technology, New York City, drafted the document with input from NSGIC leadership. It presents the business case for national investment in a public safety oriented and spatially enabled data network. To view the Declaration and see a full list of endorsements, visit the NSGIC web site at [www.nsgic.org](http://www.nsgic.org). Click on Hot Topics/Homeland Security/Public Safety White Paper.

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