

I TEAM CONNECTIONS

SEPTEMBER 2002



Excellence

THE COUNCIL FOR
EXCELLENCE
IN GOVERNMENT

INSIDE THIS ISSUE:

I-TEAMS WORK 2

OHIO IS AN I-TEAM

ACTION AROUND THE STATES

EXCELLENCE IN GOVERNMENT 4

DELAWARE I-TEAM DESIGNATES DATA STEWARDS

ITS ALL ABOUT THE COLLABORATION 6

GEOSPATIAL ONE STOP 7

I-PLANS-WHAT HAPPENED TO THEM?

MAINE GEO-LIBRARY/BOND 8

TECHNOLOGY ADVANCES 11

USGS FUNDS IDAHO I-PLAN SESSION 12

VERMONT SUBMITS I-PLAN ANNUALLY TO GOVERNOR

UTAH READIES SECOND VERSION

CONTACT I-TEAM CONNECTIONS 14

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.

INDIANA I-TEAM IS HOMELAND SECURITY PRIORITY

The State of Indiana identified the Indiana I-Team as a strategic priority in support of homeland security in Indiana in a recently issued White House Office of Homeland Security report titled "State and Local Actions for Homeland Security". In the report, the organization in each State responsible for coordinating homeland security public-sector response enumerates the State's major initiatives being taken to provide security, maintain public safety, protect public infrastructure, and respond to disasters.

According to Governor Tom Ridge, Homeland Security Advisor, "A key objective of the *National Strategy for Homeland Security* is to develop a framework that ensures intergovernmental coordination so that our actions are mutually supportive." Many state GIS coordinating councils and I-Teams have approached, and are working with, their state emergency management and homeland security organizations to help them coordinate state and local efforts through the use of GIS. Besides Indiana, the White House report mentions GIS in four other States - (continued on page 2.)

"The I-Team is one of Indiana's top three technology priorities in support of homeland security efforts..."

--- Clifford Ong
Executive Director
Indiana C - TASC

"After years of feeling like a voice in the wilderness preaching the benefits of GIS coordination, the very audience we sought is requesting the counsel we offer."

--- Jim Steil, Mississippi
I-Team Coordinator

FROM ACORNS TO OAK TREES

Statewide GIS Coordination on Mississippi Governor's Agenda

By Jim Steil, Mississippi State University Extension Service GIS and I-Team Coordinator

The situation in Mississippi is exciting and dynamic. After years of feeling like a voice in the wilderness preaching the benefits of GIS coordination, the very audience we sought is requesting the counsel we offer.

In May, 2002, Governor Ronnie Musgrove established an advisory commission on remote sensing technologies to examine and pursue statewide (continued on page 7.)

I TEAMS WORK

"The collaborative spirit of GIS practitioners, such as that embodied in the I-Team process and among I-Team members, existed in New York City prior to September 11th and was essential to our ability to respond to the World Trade Center attack."

--- Al Leidner

By Ronald F. Matzner, National I-Team Coordinator

In this issue, several I-Team coordinators express their views on collaboration and I-Teams. Several I-Teams and GIS organizations are actively engaged in homeland security efforts. Read how the Indiana I-Team is collaborating with its State homeland security task force. For those of you struggling to fund framework data (everybody?), don't miss the article on Maine's GeoLibrary. Finally, I am really excited by the opportunity presented by the HSIP Leadership Summit (see below) sponsored by NIMA and USGS's The National Map to begin to consider the intergovernmental mechanisms that will be necessary actually to produce and steward the data needed to implement 120 Cities, The National Map and the NSDI. To learn more, read on to page 3.

INDIANA I-TEAM (CONT'D.)

Idaho, Missouri, Pennsylvania, and South Dakota. Others, such as Maine, West Virginia, Hawaii, and Wyoming, are involved in identifying critical infrastructure assets and elements.

The Indiana Counter-Terrorism and Security Council (C-TASC) is the organization responsible for executing Indiana's homeland security strategy. Lt. Governor Joe Kernan is the chair. Its 16 voting members are Commissioners of key state agencies. Non-voting members are from the Department of Justice, FBI, and the legislative and judicial branches of Indiana government.

Clifford Ong is C-TASC Executive Director. According to Mr. Ong, "The I-Team is one of Indiana's top three technology priorities in support of homeland security efforts..." Emergencies are local. (continued on page 5.)

OHIO IS AN I-TEAM

By Stuart Davis, Executive Director of The Ohio Geographically Referenced Information Program

Ohio has been operating as an I-Team for years. We just don't call it an I-Team. We have a long history of consensus and multi-funded approaches to spatial data creation. The Ohio Geographically Referenced Information Program (OGRIP) identified framework layers for Ohio in 1999 and received OGRIP Council approval to develop Ohio's Framework in 2000. Seven framework task forces meet monthly: Geodetic Monumentation, Imagery, Transportation, Hydrography, Cadastre, Cultural Boundaries and Metadata.

The recent focus has been on the recommendations of (continued on page 10.)

Alabama

The State GIS Council (AGIC), recently constituted by Governor Don Siegelman, has already met several times. A technical sub-committee, chaired by Nick Tew, I-Team coordinator, is meeting regularly to discuss AGIC objectives, goals and strategies, including I-Team participation. The state held its first GIS Conference August 12 and 13. Ronald F. Matzner, I-Team Coordinator for the OMB/ FGDC Geospatial Information Initiative, was the keynote speaker. AGIC expects to form an I-Team after the conference.

American Samoa

The island territory is forming an I-Team. Its GIS users group has been working collaboratively on a plan to implement a spatial data infrastructure for the territory.

ACTION

AROUND THE STATES

The plan will be the basis for American Samoa's I Plan.

Arizona

At its recent annual conference, the Arizona Geographic Information Council (AGIC) approved a revised strategic plan. The plan focuses on framework data layers, and is driven by homeland security and enterprise GIS concerns. The plan establishes a revised committee structure using the I-Team planning process for each theme or layer. AGIC created a new homeland security committee. There is also an administrative and legal committee to address data access, security, and organizational issues.

MORE I TEAMS WORK

(continued from page 2)

Almost one year ago, in a test exercise initiated under the OMB/FGDC Geospatial Information Initiative, five Federal agencies were able to agree in only a few months on the minimum core elements and features of road transportation data that they needed to fulfill their missions. Census agreed to receive the data and to make it available to the others. Census is following through, and has recently announced that it will provide road data for The National Map.

When I was in South Dakota recently, the South Dakota Secretary of Emergency Services and her staff told me they intended to include the South Dakota I-Team administration and coordination costs in their NFIP plan and proposal. Without the coordination supplied by the South Dakota I-Team, Emergency Services doubted it would obtain elevation, roads, land cover, hydrography, and other data layers as quickly as needed. Al Leidner, the Deputy Commissioner of New York City's Department of Information Technology and Telecommunications attests to the importance of such collaboration: "The collaborative spirit of GIS practitioners, such as that embodied in the I-Team process and among I-Team members, existed in New York City prior to Sept. 11th, and was essential to our ability to respond to the WTC attack."

Where is Census going to get the data for itself and The National Map? Where is The National Map going to get the elevation, land cover, hydrography, and other data it needs? By and large, from the same sources as the South Dakota Secretary of Emergency Services – local and state government units. All use the same framework layers. All need the best available data. All need to coordinate.

Senior officials in Washington and agency field representatives recognize the need to partner and collaborate. They really do. Despite the obvious attraction, it is not easy. Coordination is, in fact, very, very difficult. One of the greatest frustrations of state and local officials is dealing with multiple well-meaning Federal agencies seeking similar data. There is a myriad of institutional obstacles and organizational issues that the geospatial community must address together. The 120 Cities Boston Pilot demonstrates that. It will take enormous effort by us all. Where should we begin?



Boston: Site of 120 Cities Pilot

As we approach the anniversary of 9/11, the ongoing 120 Cities collaboration between NIMA and USGS to protect America's cities seems to offer unprecedented opportunities for coordination with other mission-critical national initiatives. All need to develop effective mechanisms for the intergovernmental stewardship of America's data assets.

As a first step, OMB, FGDC, and the Council for Excellence in Government are convening a series of summits of GIS leaders. The first session will be at the National States Geographic Council annual conference in Utah on September 10, with a subsequent session in Washington, DC on September 18. (continued on page 10.)

Arkansas

The Arkansas I-Team has recently issued its I-Plan. It may be found in the I-Plan section of the Library on the I-Team web site.

Colorado

See article on page 6.

Delaware

See article on page 4.

Idaho

See article on page 11.

Indiana

See article on page 1.

Illinois

The Illinois Geographic Information Council (ILGIC)

ACTION AROUND THE STATES

held its summer meeting on July 30, 2002. The meeting launched development of the Illinois Spatial Data Infrastructure Implementation I-Team Strategic Plan. Illinois' I-Team members include representatives from Local, Regional, State and Federal government, academia, and the private sector. The majority are representatives from ILGIC committees, which include Framework Implementation, The Local Government Consortium, Clearinghouse-web-public access, and Guidelines and Standards. Team members expect to complete a draft I-Plan in December 2002.

Excellence IN GOVERNMENT

By Katherine Hansen, Council for Excellence in Government

Geographic information is essential to excellence in government. There is no other tool that improves decision-making like GIS. Geographic information informs every aspect of government work. When used effectively, it transforms the way that government delivers service to citizens.

Transforming government is what we are all about. Founded almost 20 years ago, the Council for Excellence in Government is a non-profit, non-partisan organization dedicated to improving government performance and citizen trust in government. We serve as a neutral convening body that engages leaders from government, industry and academia around the management issues facing government and help to foster improved communication and collaboration among all levels of government. In short, we strive to help make government better, faster and cheaper.

One of the best ways to transform government is through the use of technology tools like GIS. The Council has long been an advocate for e-government and the efficiency, innovation and improvement that it can achieve.

We strongly believe that improved government is best fostered through partnership and collaboration, not only among all levels of government—federal, state, local and tribal—but also academia, business and non-profits.

The Council is pleased to be a part of the I-Team Initiative. This landmark initiative perfectly exemplifies our ideals: It is transformational, collaborative, intergovernmental, cost effective and innovative. Through our convening, communicating and coordinating role, the Council works to expand and strengthen networks in the geographic data community. We have no doubt that when the goals of this initiative are reached, geographic data and GIS will have made government better, faster and cheaper at all levels.

DELAWARE I-TEAM DESIGNATES DATA STEWARDS

Delaware Spatial Data I-Team staff are working to complete Memoranda of Agreement with designated data stewards for the on-going maintenance of Delaware's nine-layer Spatial Data Framework.

The I-Team has joined with the University of Delaware, the Delaware Geological Survey and the USGS to create the Delaware Data Mapping and Integration Laboratory – the Delaware DataMIL – an interactive, on-line "collaboratory" to make possible continual improvement of the data sets that make up Delaware's Framework. The DataMIL project designates a single data steward for each data set. The DataMIL (<http://datamil.udel.edu>) is a Pilot Project for the USGS National Map. Delaware received an award for the DataMIL at the ESRI User Conference in July.

The I-Team has approved a new statewide aerial imagery project, funded by a consortium of State and local agencies. It will result in statewide false-color infrared imagery at a map scale of 1:200 with a 0.25 meter pixel resolution and an updated land use and land cover GIS data set. Photography was flown in spring 2002. Data will be available starting in spring 2003.

Iowa

Eric Anderson, Des Moines city manager, announced July 15th at the National Association of Counties (NACo) annual conference in New Orleans, that the City of Des Moines, and its surrounding counties and municipalities, would become a local/ regional I-Team to nest within the Iowa State I-Team.

Kansas

Investment continues in the development of orthophotography, elevation, and hydrography data as a part of the current Kansas GIS Strategic Plan. This year the focus is on state-wide transportation centerline development, as well as archiving and IMS delivery of certain county cadastral data. On August 16, 2002, a steering committee convened to undertake a comprehensive

ACTION AROUND THE STATES

update of the State GIS Strategic Plan. It will incorporate I-Team philosophy as a core element.

Louisiana

A \$472,000 Technology Innovation Fund Grant was awarded earlier this year to the Louisiana I-Team for the development of a State Geographic Information and Services Portal (LouisianaMap). A copy of the proposal submitted for the Technology Innovation Fund grant is available online in the Public Library at the I-Team web site.

Maine

See article on page 8.

INDIANA I-TEAM (CONT'D)

(continued from page 2.)

First responders are local. A statewide interoperable GIS is essential to make sure the best local data is available when needed to respond to and recover from disasters.

The Indiana Geographic Information Council (IGIC) and the Indiana I-Team acted quickly after the formation of C-TASC to demonstrate the support of the Indiana geospatial community and the value of GIS to C-TASC's work. Guided by recommendations circulated by the National States Geographic Information Council (NSGIC), the I-Team connected with Lt. Governor Kiernan and briefed Executive Director Ong. It formed an I-Team Homeland Security Working Group to support C-TASC. This led to regular contact between the I-Team, Mr. Ong, and the State Emergency Management Agency (SEMA).

In March, IGIC began a comprehensive survey of local data needs and assets. The ongoing survey serves dual purposes. It informs Indiana's I-Plan. It also is a resource for C-TASC.

Mr. Ong addressed the I-Team at its May meeting. He welcomed the coordinating potential of the I-Team and invited members to brief the full C-TASC.

GIS dominated the agenda of the August C-TASC meeting. Fourteen C-TASC members were present. Lew Nelson, ESRI law enforcement industry manager, acquainted them with the many applications of GIS and chronicled its uses in the days following the 9/11 attack on the World Trade Center in New York. Jill Saligoe-Simmel, Indiana I-Team Coordinator, described the I-Team process and the ability of the I-Team Homeland Security Working Group to support C-TASC. Bryan Nicol, Indiana Transportation Commissioner, introduced the recently completed Southwest Indiana GIS project of the Indiana Department of Transportation. It consists of 170 layers of predominantly State and federal data, all with full metadata, posted on the Indiana Geological Survey web site. Commissioner Nicol emphasized the need to integrate larger scale local data required for emergency readiness, response, and recovery.

Maryland

Maryland continues to revise its I-Team plan each quarter to address current issues including changing policies and Homeland Security. A key feature of the plan is the Activity Log. It describes the I-Team's activities and provides information on specific plan revisions. Although no statewide funding initiative was approved in the FY 2003 budget, some state and county agencies are already adopting the plan's data development guidelines to use as funding mechanisms become available. The current plan is available at: <http://msgic.state.md.us/publicat/MDITeamPlan.pdf>.

Minnesota

The Minnesota I-Team has targeted the Minnesota GIS conference, in Duluth

ACTION AROUND THE STATES

October 2-4,

for a public "unveiling" of some or all of the Minnesota I-Plan. A 90 minute I-Team panel is on the agenda.

Missouri

The I-Team is currently working on a data needs assessment for the state. The I-Team is a sub-committee of the Missouri GIS Advisory Committee (MGISAC). **Tony Spicci** is the Chair of MGISAC. **Jo Ann Shaw**, chairs the I-Team. A call to participate in Missouri's I-Team soon will be posted on the Missouri Spatial Data Information Service web site in an effort to increase participation from local governments and others around the state.

NEW YORK CITY COMMAND CENTER VIDEO RELEASED



The GIS Response to the World Trade Center Attacks

for your own copy contact:
i-Team@excelgov.org

Video online at www.excelgov.org

IT'S ALL ABOUT THE COLLABORATION

By Marv Koleis, Colorado I-Team Coordinator

The Colorado I-Team initiative, which began in the spring of 2001, continues to progress. The team's membership and influence is growing. It has two identified goals – fostering collaboration within the Colorado Geospatial community and developing a *Colorado Spatial Data Infrastructure Plan*. Early efforts focused on presenting the idea to the GIS community. Conceptual and institutional "buy-in" of I-Team goals is gaining within Colorado state government as well as in the broader public and private geospatial community.

The I-Team initiative has been developing in parallel with a resurgence of GIS coordination within state agencies. They have organized a Colorado State Agencies GIS (SAGIS) to address GIS issues and future directions for GIS within Colorado state government. SAGIS is meeting regularly to provide policy input to the *Colorado Office of Innovation and Technology's Chief Information Officer* on issues related to the creation of spatial and base map data policy and standards. I-Team direction and development have been important agenda items of this group. Although the I-Team is an expanding state/ federal/ local coalition, it will actualize and implement the Colorado Spatial Data Infrastructure Plan only if it meets state needs, objectives and mission. Aligning with, and fulfilling, State information policy and departmental objectives is critical. The opportunity to pass the I-Plan through state agency content experts in many different areas and then the state's CIO for review and calibration within Colorado's political environment is an important and significant step forward for the long – term success of collaboration in Colorado.

This process has and will continue benefit from the involvement of professionals and content experts from both the public and private sectors in Colorado. The coming fall will be a busy time for the I-Team. We intend to deliver a draft I-Plan in February 2003, first to our state CIO and policy leadership, and then on to the FGDC. We remain cautiously optimistic that the development of this plan will lead to significant and positive re-alignment of federal mapping resources.

“ Conceptual and institutional "buy-in" of I – Team goals is gaining within Colorado state government as well as in the broader public and private geo-spatial community. “

**--- Marv Koleis,
Colorado I-Team
Coordinator**

Support GIS Coordination

Help Build a National Coalition

Present

NSDI, I-Team, Geospatial One Stop message at

Regional and National Conferences

SPEAKERS BUREAU

Volunteers needed for events in your area.

Contact: Thomas Bryer E-mail: tbryer@excelgov.org Telephone: 202.728.0418

GEOSPATIAL ONE STOP

Geospatial One Stop is a Presidential initiative to accelerate completion of the National Spatial Data Infrastructure. It is one of 24 e-government initiatives and part of President Bush's Management Agenda. See www.fgdc.gov/Geo-One-Stop for more information.

Board of Directors. The Board of Directors of Geospatial One Stop held its first meeting in July in San Diego, California. There are nine Board members. Three represent Federal organizations. Six are non-Federal. They are the National States Geographic Information Council (NSGIC), National Association of Chief Information Officers (NASCIO), Intertribal GIS Council (IGC), National League of Cities (NLC), International City/County Managers Association (ICMA), and the National Association of Counties (NACo). The second meeting of the Board will take place in early September in Park City, Utah in conjunction with the NSGIC annual conference. (*continued on page 9.*)

ACORNS TO OAK TREES (CONT'D FROM PAGE 1.)

Mississippi Statewide GIS Coordination

coordination of geospatial efforts. This fall, the commission will make recommendations to the legislature. Commission membership is comprised chiefly of state legislators, agency directors, and municipal and county government representatives. The I-Team offered its services to the Commission and presented its efforts to date.

Recently, the Joint Legislative Committee on Performance Evaluation and Expenditure Review (PEER) conducted a review of county information systems. It recommended that the legislature pass a resolution supporting the work of the I-Team and defining its responsibilities in developing GIS statewide. <http://www.peer.state.ms.us/reports/rpt430.pdf>

As it should be with GIS, the best possible information is being assembled for the use of our State's decision-makers.

I PLANS—WHAT HAS HAPPENED TO THEM?

The Council for Excellence in Government has begun to analyze the I-Plans submitted to the FGDC. Tom Bryer is coordinating the project: "We are extracting valuable information from the plans which we will use to pursue collaboration opportunities."

Among other things, the Council intends to present the results to the Office of Management and Budget for consideration in the FY '04 budget process. It also will share the results with Federal agencies to facilitate alignment of State I-Plans and planned Federal data activities and funding. Geospatial One Stop requires Federal agencies to begin posting planned data activities in February 2003. The Council will post results on the I-Team web site. For further information, contact Thomas Bryer at tbryer@excelgov.org.

Montana

The Montana I-Team has issued strategic plans for the seven FGDC framework layers and four Montana Priority Data Sets. Montana presently is writing executive summaries for each layer, briefly outlining status, direction, and immediate funding requirements. The I-Team is beginning to develop strategic plans for four additional priority data sets - critical structures, energy distribution, telecommunications, and demographics.

Nebraska

The Nebraska I-Team is focusing on an enterprise-wide geospatial data center, and land record modernization. There are two state-operated geospatial data clearinghouses in Nebraska, but neither is comprehensive. As a result, much existing data is

ACTION AROUND THE STATES

not readily available online. As usual, the problems are more institutional than technical. Serious budget shortfalls compound this problem. The I-Team is about to hire a consultant to conduct a land record modernization study. It will explore ways to design a sustainable land record process. This is a particular challenge in the large rural areas of Nebraska.

New Jersey

The New Jersey Geographic Information Council adopted the I-Team Strategic Plan for Spatial Data Infrastructure Implementation on March 27, 2002. (*continued*)

MAINE LEGISLATES GEOLIBRARY/ BOND REFERENDUM

During the 2002 legislative season, the Maine legislature passed two laws that will transform the geospatial landscape in Maine. The first establishes a Maine Library of Geographic Information (Maine GeoLibrary). The second includes \$ 2.3 million to develop local data for the GeoLibrary in an environmental bond referendum on the November ballot.

On July 3, 2002, the State Chief Information Officer, **Harry Lanphear**, formally established a Maine I-Team. The I-Team process will help organize the production, stewardship and distribution of data for the GeoLibrary. It will anchor Maine's GIS coordination efforts.

In 2000, the Maine GIS Executive Council developed a strategic plan focusing on state agencies. In 2001, the Maine legislature commissioned a study of GIS use by local units of government, known as the Resolve 23 Study. The study also examined the value of local data for State activities. A private contractor surveyed the requirements and data local government report demon-

" If the bond referendum passes, the \$2.3 million would fund a grants program to enable new local initiatives to digitize data, develop metadata, and comply with national core data content standards."

strical role of local government, as financial incentives of government.

The Maine Office of GIS submitted the report to the legislature. It played an important part in getting GIS on the agenda of standing committees during the winter of 2002. The effort culminated in the passage of legislation establishing the Maine Library of Geographic Information, or "GeoLibrary". The State "Enterprise Fund" is providing \$ 150,000 in start-up funds to get the project going. The law designates a 15 member GeoLibrary board to be appointed before September 1st by the Governor, Speaker of the House, and President of the Senate. The Board represents all sectors of the Geospatial community.

To populate the GeoLibrary, the legislature authorized the inclusion of \$ 2.3 million in an environmental bond referendum already approved for the November ballot. If the bond referendum passes, the \$ 2.3 million would fund a grants program to enable new local initiatives to digitize data, develop metadata, and comply with national core data content standards. The money would also support statewide projects such as higher resolution DOQQs.

During the next few months, the Maine GIS Executive Council will act as the interim Maine I – Team. During that time, it will integrate and reformat the 2000 strategic plan and the Resolve 23 study into an I-Plan that more easily can be compared with I-Plans from other states. Once the GeoLibrary Board is in place and acclimated to its tasks, it will become the Maine I-Team. The Resolve 23 study and the strategic plan are available at <http://www.apollo.ogis.state.me.us>.

(New Jersey continued)

The New Jersey Office of GIS has initiated an Orthophoto Mapping Program to acquire statewide high-resolution orthoimagery (1:2,400). The aerial photo mission was successfully completed this spring. The production of digital orthophotos will last through mid-summer 2003. The New Jersey Office of GIS will then host the data through the NJ Spatial Data Clearinghouse (<http://nigeodata.state.nj.us>). Partial funding for this ambitious undertaking was recently awarded to New Jersey through an Innovative Partnership Agreement with the US Geological Survey.

The New Jersey I-Team is awaiting opportunities to work with the FGDC and Federal agencies on future

ACTION AROUND THE STATES

collaborative partnerships for the development of additional statewide data layers.

New York (Metro)

The I-Team is still catching its breath from 9/11 and it hopes to reconvene in the Fall.

Nevada

Nevada is developing a draft I-Plan, addressing several framework data layers. The Nevada State Mapping Advisory Committee will review the plan upon its completion.

GEOSPATIAL ONE STOP ARTICLE

(continued from page 7.)

Project Manager. Geospatial One Stop has conducted an extensive search in the geospatial community for a project manager. The selection is expected soon. The project manager will head a project management staff located at the Federal Geographic Data Committee (FGDC).

Framework Data Content Standards. Geospatial One Stop has several parts. The most challenging is the development of national consensus framework data content models and standards for seven themes – orthoimagery, elevation, hydrography, transportation, geodetic control, government boundaries, and cadastral. There will be a separate modeling and standard development team for each layer. (See page 10 article on efforts led by the OpenGIS Consortium to develop associated interoperability specifications and translation schema.)

Scott Cameron, Deputy Assistant Secretary, Department of Interior, is Managing Partner for the project. Mr. Cameron issued a broad call for participation in the standards development process in July. He and the Board encourage State, local, tribal, and private sector representatives to participate. According to Mr. Cameron, “Local and State governments have invested billions of dollars to produce and maintain geographic information. Fairness demands that local, State, and Tribal needs and perspectives are fully represented on each of the standards development teams.” See the notice below for contact information if you are interested in joining the process.

Transportation Modeling Teams. The Bureau of Transportation Statistics (BTS) has convened a road modeling advisory team that met in Washington, DC July 16-18. The team expects to submit a draft standard and unified modeling language to the FGDC and the Office of Management and Budget (OMB) by the first of September. BTS then will submit the draft to the national geospatial community for review and comment.

BTS has also issued a call for participation on modeling teams for three other transportation modes – rail, transit and airports. BTS expects to submit draft models and standards for all three modes to the geospatial community for comment by the end of the calendar year.

**HSIP
LEADERS
SUMMIT**

**SEPTEMBER
18th**

in Washington, DC

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GEOSPATIAL ONE STOP

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TRANSPORTATION

OHIO IS AN I-TEAM (CONT'D.)*(continued from page 2.)*

Ohio's spatial data management cost benefit analysis (CBA) study. It identified three priorities for Ohio: 1) a standardized street centerline with valid address ranges; 2) cultural boundary definition (such as administrative, political, census, school districts); and 3) metadata.

As a result, a plan is under development to create a Location Based Response System (LBRS), a high resolution centerline with valid/verified street addresses. This is the second component of a larger project called eSecure Ohio. The LBRS will be a multi-funded, multi-governmental approach to spatial data creation and maintenance. It also includes options for supporting the Cultural Boundary Task Force in the creation of a cultural boundary layer for Ohio. A portion of the funding for the LBRS will be capital funds. Financial details should be worked out within the coming months.

Other task forces also are at work. The Geodetic Monumentation Task Force is reviewing the draft geodetic monumentation plan for Ohio completed in 2001. Additionally, this task force is knee deep in the coordination of the NGS FBN/CBN for Ohio. The Imagery Task Force is re-evaluating the 1997 OGRIP program plan calling for high resolution imagery for Ohio. Costs have decreased and new technology options exist. The Hydrography Task Force is currently focused on the NHD/Revision project. We are considering expanding from the pilot stage to full statewide development. The Cadastre Task Force is gathering information regarding Ohio's cadastral work following the approach recommended by the Eastern States Cadastral Steering Committee. The CBA identified an inventory of state datasets. The Metadata Task Force will review this listing and prioritize the datasets targeted for metadata creation if none currently exists.

The Council is currently considering two initiatives to support the Framework Task Forces. One is the development of county profiles for the 88 Ohio counties. The second is the development of a virtual clearinghouse proposed by the OGRIP Office.

MORE I-TEAMS WORK*(continued from page 3.)*

NIMA and USGS issued a draft Homeland Security Infrastructure Program (HSIP) report in mid-August. It designates and prioritizes 133 urban areas, and identifies minimum essential data sets for Federal readiness, response, and recovery efforts.

The Summits will assess HSIP results, ascertain state and local needs, identify gaps, prioritize layers, and identify state and local data assets. As next steps, the Summits hopefully will lead to the exploration of the many practical questions that the community must address if it is going to be able to successfully institutionalize intergovernmental mechanisms. I will report progress in the next newsletter.

North Carolina

The North Carolina Geographic Information Coordinating Council has held two meetings since being reconstituted under legislation by the North Carolina General Assembly. The Council has new membership. It is establishing by-laws for its committees and analyzing issues. Staff of the Center for Geographic Information & Analysis is conducting interviews with each member as part of the analysis. The Council has always employed I-Team concepts and principles since its inception in 1991.

Formal data sharing agreements with local governments are progressing <http://cgia.cgia.state.nc.us/gicc/cdsa/index.html>. Selected framework data from local governments are being integrated and published as part of FEMA

ACTION AROUND THE STATES

Map Modernization and North Carolina Floodplain Mapping www.ncfloodmaps.com. The Council home page is <http://cgia.cgia.state.nc.us/gicc/>

North Dakota

North Dakota is developing a GIS "Hub" for storing, browsing, and distributing state GIS data. Government units are the Hub's prime constituency, but the general public will also have access. The Hub should be fully operational in late August 2002. Funding is from the North Dakota State Legislature and FEMA through the North Dakota Division of Emergency Management.

TECHNOLOGY ADVANCES

This space will inform the community about current projects and initiatives of interest led by the OpenGIS Consortium and others.

Critical Infrastructure Protection Initiative (CIPI). CIPI is a series of pilot projects to test the effectiveness of interoperable standards that support Web-based sharing and use of data in support of critical infrastructure protection. Participating communities will engage in integration tests with regional partners, using different scenarios to test interoperable methods and tools to publish, find, and use data and geoprocessing services. From among many respondents to an OGC call for participation, the CIPI Advisory Committee has selected Detroit/Windsor for the first pilot. OGC released a Request for Quotation (RFQ) to industry in mid-August. Responses are due by September 20. OGC expects to begin the pilot in mid-October. Additional pilots will follow.

Geospatial One Stop Transportation Pilot. OGC is supporting Geospatial One Stop. It will develop and test interoperable tools and schema to neutralize differences across boundaries among existing geospatial data sets. These differences drastically reduce the ability of collaborating communities to share and integrate data. The translation tools and schema will allow state and local government immediately to apply the GOS framework data content standards to legacy data without delay or cost.

Geospatial One Stop (GOS) and OGC are starting with the roads transportation layer. The GOS Roads Model Advisory Team (MAT) will develop a national consensus roads framework data content standard. OGC will lead industry participants to develop an associated Abstract Feature Model in Unified Modeling Language (UML). This will support the exchange of mapping data about roads between cooperating organizations and communities. The Department of Transportation (DOT), U.S. Army Corps of Engineers (USACE) and FGDC are sponsoring the GOS Transportation Pilot Initiative. The roads pilot will be a model for other framework layers.

FGDC and OGC expect in early September to invite participation in the pilot initiative. OGC will test and demonstrate this process with technologies that employ open specifications such as Web Feature Server and Geography Markup Language (GML).

As part of the process, OGC is seeking solutions for the implementation of a UML to *(continued on page 13.)*

TECHNOLOGY is accelerating at a pace that is almost too rapid for most to absorb. It presents great opportunities and great challenges. The Technology Advisory Group (TAG) exists to help I-Teams and the geospatial community identify and address technology opportunities and challenges through open dialogue with members of the OpenGIS Consortium (OGC).

Local and State needs and perceptions (opportunity or challenge?) are often quite different from those of vendors or the Federal government. The TAG gives

**Technology
Advisory Group**

I - T e a m s direct access at no cost to OGC members working at the cutting edge of technology to advance interoperability and location based services. In return, OGC and its members understand the needs and challenges of local and State I-Team members.

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USGS FUNDS IDAHO I-PLAN DRAFTING SESSION

A grant from the United States Geological Survey (USGS) made a two day planning session possible in early August for Idaho I-Team leads. The meeting was held in Boise State University's electronic meeting room. As a result of the meeting, the I-Team has begun to draft its I-Plan.

The Transportation Team, led by the Idaho State Department of Transportation, is exploring the adoption of models developed by the neighboring states of Oregon and Washington. USGS, the University of Idaho, Pocatello City, and Bannock County will join the Idaho Transportation Department's investigation of Oregon's transportation model. In addition to supporting National Map framework development, this activity may spawn a regional transportation I-team.

The Hydrology/Watershed Team is working to complete HUC validations as part of the certification process. BLM, USFS Region 4 and Region 1, NRCS, IDWR, IDF&G, USGS have all participated in this effort. Idaho expects to have the whole state submitted for certification before year end. USFS is completing all the units, except eight to be done by USGS and the state.

The Idaho Tax Commission (ITC) submitted a plan to the cadastral team to act as the lead in the collection of parcel data from counties. The team supports the plan and has sent it to Idaho Geospatial Committee. The ITC is a logical choice for this task because its GIS professionals support counties mapping efforts. Counties have asked for more details before they will endorse this plan, but they approve the concept. The cadastral team is working to build support.

At its last meeting, the Imagery Team identified the need to complete 1 meter DOQQs for the entire state as its number one priority. USGS projects a cost of about \$300,000 to fill in the gaps. More than 90% of the area is federally managed.

Ohio

See article on page 2.

Oregon

The Oregon Geographic Information Council's Framework Implementation Team has identified and prioritized 13 primary Framework data themes, containing over 100 individual data elements. There are Framework Working Groups working concurrently on 10 of these themes, with over 200 people in the various groups. Each Group has two items on its agenda: develop or revise the implementation plan for the Framework theme; and propose an existing or revised data content standard for the Framework theme.

ACTION AROUND THE STATES

Pennsylvania

The Pennsylvania I-Team has met five times. The last meeting was on August 23. Participants have concentrated on defining the I-Team vision, mission, objectives, and strategies. Jay Parrish, I-Team Coordinator, has distributed minutes as power point slides. They are an excellent tool that recently established I-Teams can use to guide the formation and development of their vision and objectives. Access the power point in the Public Library at the I-Team web site.

(continued on page 13.)

VERMONT TO SUBMIT I-PLAN ANNUALLY TO GOVERNOR

The Technical Advisory Committee (TAC) of the Vermont Center for Geographic Information (VGCI) passed a resolution in late June to support the OMB/FGDC I-Team Initiative, coordinate I-Team development, develop an I-Plan and provide long term support to the I-Team effort within the State of Vermont. The I-Plan will be kept current and will be submitted yearly to the governor and the Vermont legislature. In addition to the NSDI seven basic framework layers, the initial focus of the I-Team will include land cover, emergency management and public safety, soils, and geology.

UTAH READIES SECOND VERSION OF I-PLAN

The Utah I-Team is nearly ready to publish version 2.0 of the Utah Framework Implementation Team Plan. The new version will include a rewrite of the Driving Issues Section to reflect Homeland Security concerns.

There will be significant changes in the transportation, boundaries, hydrography, telecommunications, and critical facilities / infrastructure sections. Included also will be all new environmental hazards and ground cover sections. The I-Team anticipates publication in the fall of 2002.

MORE TECHNOLOGY ADVANCES

GML tool that will be available for use in future GOS framework standards efforts. Participants working on the UNL to GML tool will also generate the GML Application Implementation Schema as part of the validation and testing of the tool. Finally, FGDC and OGC are seeking at least two community participants to test implementation of the framework data content standard and the associated translation schema providing Web Feature Server (WFS) access to transportation data via the GML Application Implementation Schema and appropriate client solutions.

Open Web Services. OGC recently began the second part of its Open Web Services Initiative Phase I (OWS-1.2). OWS is a long-term project to advance interoperable geospatial and imagery web services technology. OWS-1.2 will focus on developing new OGC interface specifications in the areas of image handling, sensor web enablement, service chaining, and feature handling. It also will extend existing OGC interface specifications, and draft engineering specifications developed in OWS1.1 and other OGC Interoperability Initiatives.

OWS-1.2 is sponsored by BAE SYSTEMS, the Environmental Protection Agency (EPA), General Dynamics, Lockheed Martin (LMC), National Aeronautics and Space Administration (NASA) and National Imagery and Mapping Agency (NIMA). Areas of interest for the OWS-1.2 sponsors include continuing work on the Common Architecture using Universal Description, Discovery and Integration (UDDI), a phone book-like directory for Web services; web-based image exploitation; feature handling via Web Feature Services and GML 3.0; and further refinements of Sensor-Web Enablement.

Twenty-one participants will work toward a demonstration on November 21, 2002. OWS 1.1 resulted in an extensive demonstration using data from New York City.

OGC is an international industry consortium of more than 230 companies, government agencies and universities participating in a consensus process to develop publicly available interface specifications.

ACTION AROUND THE STATES (CONT'D.)**South Dakota**

After listening to presentations by **Mark Forman**, Associate Director of IT and e-government at OMB, and Wyoming **Governor Jim Geringer** at NASCIO in April, the State CIO, **Otto Doll**, decided to establish an I-Team. He convened a meeting of State Cabinet Secretaries with Ronald Matzner, National I-Team Coordinator. At the meeting, the Cabinet Secretaries pledged their commitment to the South Dakota I-Team. The Secretary for Emergency Management Services and her staff in particular felt the coordination offered by an I-Team would be critical for the success of their efforts under FEMA's National Flood Insurance Program, Disaster Mitigation Program, and Multi-Hazard Mapping Initiative. Her staff recommended inclusion of I-Team administration and coordination costs in their funding proposals to FEMA.

Texas

By the time this newsletter is released, Texas expects to have its Legislative Report and I-Plan on the desk of **Governor Rick Perry**. Look for an electronic version on the I-Team website under I-Plans. (*continued on page 14.*)

**BREAKING
NEWS****OMB
CIRCULAR A- 16**

REVISED

August 19, 2002

Look for details in next
I-Team Connections<http://www.whitehouse.gov/omb/circulars/a016/a016rev.html>

ACTION AROUND THE STATES (CONT'D.)**Utah**

See article on page 12.

Vermont

See article on page 12.

Virginia

Virginia has been engaged for almost two years in a process to identify business applications that GIS supports, as well as the data required to support the applications. This enables fair and thorough evaluation of needs, and assessment of priorities.

A natural resources work group comprised of seven state agencies that work on natural resource issues in Virginia has issued a white paper and published a visually compelling matrix of business applications and data. A demographic, cultural, economic, and infrastructure work group expects to complete its work and prepare a similar paper and matrix early this fall. A federal work group recently has started, and a wireless e911 work group is about to begin.

West Virginia

A major effort is going on in West Virginia, through the Statewide Addressing and Mapping Program, to produce new large-scale orthoimagery, detailed road centerline files, and geocoded address ranges, primarily focused on the rural areas of the state. The State expects to complete the work within the next five years. Additionally, the state Office of Emergency Services (OES) and the GIS Technical Center at West Virginia University are undertaking a parallel effort to create maps and GIS coverage of Critical Infrastructure as part of the state's Homeland Security initiatives. Discussions with FEMA and Census, regarding state-federal cooperation in their respective map modernization efforts, are underway.

Wisconsin

The Wisconsin Land Information Board (WLIB) and the Wisconsin Land Council (WLC) have submitted a report to the governor and legislature on September 1 on their activities, accomplishments, and future direction. The WLIB's Elevation Data Task Force soon will release a report on the need for high resolution digital elevation data statewide. A strategic assessment of other framework data elements will continue for the rest of the year.

Wyoming

A final draft of the Wyoming I - Plan is circulating within the state. In his presentations at the NACIO and ESRI conferences earlier this year, **Governor Jim Geringer** exhibited a keen understanding of the critical issues at stake.

OMB/ FGDC GEOSPATIAL INFORMATION INITIATIVE

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