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# National Geospatial Advisory Committee Overview

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February 2012

# National Geospatial Advisory Committee

**David Cowen, NGAC Chair**

University of South Carolina

**Jerry Johnston, NGAC Vice-Chair**

U.S. Environmental Protection Agency

**Robert Austin**

City of Tampa, FL

**Richard Clark**

State of Montana

**Jack Dangermond**

ESRI

**David DiSera**

EMA, Inc.

**Joanne Irene Gabrynowicz**

University of Mississippi Law School

**Bert Granberg**

State of Utah

**Kass Green**

Kass Green & Associates

**Randy Johnson**

Hennepin County, MN

**Laurie Kurilla**

Ventura County, CA

**Jim Kwolek**

National Geospatial-Intelligence Agency

**Xavier Lopez**

Oracle USA

**E. Donald McKay**

Illinois State Geological Survey

**Anne Hale Miglarese**

Booz Allen Hamilton

**Kimberly Nelson**

Microsoft Corporation

**Timothy Nyerges**

University of Washington

**Matthew O'Connell**

GeoEye

**Patrick Olson**

Aero-Metric, Inc.

**Jack Pellicci**

Intergraph Corporation

**Mark Reichardt**

Open Geospatial Consortium, Inc.

**Cynthia Salas**

CenterPoint Energy

**Eugene Schiller**

SW Florida Water Management District

**Anthony Spicci**

State of Missouri

**Gary Thompson**

State of North Carolina

**Gene Trobia**

State of Arizona

**Molly Vogt**

Oregon Metro

**David Wyatt**

Eastern Band of Cherokee Indians

**Ivan DeLoatch**

NGAC Designated Federal Officer (DFO)  
Federal Geographic Data Committee

**February 2012**

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# NGAC Purpose

- The Committee will provide advice and recommendations related to management of Federal and national geospatial programs, development of the NSDI, and implementation of OMB Circular A-16 and Executive Order 12906. The Committee will review and comment on geospatial policy and management issues and provide a forum to convey views representative of non-Federal stakeholders in the geospatial community.
- Under Federal Advisory Committee Act rules, the duties of the Committee are solely advisory. The Committee provides counsel and advice to the Secretary of the Interior through the Designated Federal Officer (DFO).

\*NGAC Charter

# NGAC Mission

***To provide strategies regarding the creation, management and dissemination of cohesive geospatial data, information and knowledge to enable commercial, academic, and nonprofit organizations and all levels of government to more effectively:***

- ❑ ***empower and serve the public***
- ❑ ***protect our homeland***
- ❑ ***foster economic growth***
- ❑ ***advance science***
- ❑ ***manage our resources***
- ❑ ***prepare for and respond to emergencies***
- ❑ ***govern our nation***

\* Adopted by NGAC, June 2008

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# NGAC Operations

- Sponsored by Interior Department – administrative support provided by FGDC
- Meets 3-4 times per year
- Public meetings – including opportunities for public comment/input
- Subcommittees meet between committee meetings – develop materials for consideration by full committee
- More information, including all meeting minutes and materials, posted at:

[www.fgdc.gov/ngac](http://www.fgdc.gov/ngac)

# Key NGAC Activities – 2008/2009

## 2008:

- Approval of Mission Statement, Bylaws, Plan of Action
- Endorsement & Recommendations on Imagery for the Nation
- Recommendations on Geospatial Line of Business
- “Changing Landscape” White Paper
- Administration Transition Recommendations
- Endorsement & Recommendations on National Land Parcel Data Study
- Review of OMB Circular A-16 Draft Supplemental Guidance

## 2009:

- Recommendations to FGDC on Economic Stimulus
- Approval of NGAC Strategic Vision
- Dialogue on National Geospatial Policy and Strategy
- Endorsement of Imagery for the Nation (IFTN) Record of Decision
- NSDI Metrics Paper
- Economic Recovery “Lessons Learned” paper
- Geospatial Policy Benefits Paper

# Key NGAC Activities – 2010/2011

## 2010:

- ❑ Adopted resolution endorsing Geospatial Platform initiative
- ❑ Reviewed and provided comments on Geospatial Platform Modernization Roadmap initiative
- ❑ Provided feedback on National Broadband Map
- ❑ Adopted recommendations related to The National Map
- ❑ Adopted Local Government GIS Best Practices Paper
- ❑ Provided recommendations to FGDC on Federal Trade Commission report, “Protecting Consumer Privacy in an Era of Rapid Change”

## 2011:

- ❑ Developed recommendations on the Geospatial Platform initiative, the National Land Imaging Program, Transportation for the Nation, and the Lidar/laser pointer issue.
- ❑ Adopted a paper on best practices for interagency data sharing
- ❑ Held “spotlight sessions” on the topics of interagency data sharing, geospatial workforce development, and National land parcel data.
- ❑ Developed draft papers on Geospatial Workforce Development and Innovative Strategies for Geospatial Programs and Partnerships

# Key NGAC Products

## A NATIONAL GEOSPATIAL STRATEGY

Recommendations for the 2008-2009 Presidential Transition Team

From the

National Geospatial Advisory Committee

October 2008

The National Geospatial Advisory Committee (NGAC) is a Federal Advisory Committee established to provide advice and recommendations related to management of Federal and national geospatial programs, the development of the National Spatial Data Infrastructure, and the implementation of Office of Management and Budget Circular A-16 and Executive Order 12906. The NGAC reviews and comments upon geospatial policy and management issues and provides a forum to convey views representative of non-federal stakeholders in the geospatial community. The NGAC reports to the Chair of the Federal Geographic Data Committee. The recommendations in this paper were approved at the October 15-16, 2008 meeting of the NGAC.

### The Members of the NGAC:

- Ms. Anne Hale Miglarese (NGAC Chair)  
Booz Allen Hamilton
- Mr. Steven P. Wallach (NGAC Vice-Chair)  
National Geospatial-Intelligence Agency
- Dr. Sean Ahearn  
Hunter College – City University of New York
- Dr. Timothy M. Bull Bennett  
North Dakota Association of Tribal Colleges
- Mr. Michael Byrne  
State of California
- Mr. Allen Carroll  
National Geographic Society
- Mr. Richard B. Clark  
State of Montana
- Dr. David J. Cowen  
University of South Carolina
- Mr. Jack Dangermond  
ESRI
- Mr. Donald G. Dittmar  
Waukesha County, Wisconsin
- Mr. Dennis B. Goreham  
State of Utah
- Ms. Kass Green  
The Alta Vista Company
- Hon. Randy Johnson  
Hennepin County, Minnesota
- Mr. Randall L. Johnson  
Metropolitan Council, St. Paul, MN
- Dr. Jerry J. Johnston  
U.S. Environmental Protection Agency
- Mr. Barney Krucoff  
District of Columbia
- Hon. Timothy Lowenstein  
Buffalo County, Nebraska
- Dr. David F. Maune  
Dewberry
- Mr. Charles Mundello  
Pictometry International
- Mr. Zsolt Nagy  
State of North Carolina
- Ms. Kim Nelson  
Microsoft Corporation
- Mr. Matthew O'Connell  
GeoEye
- Mr. John M. Palatiello  
MAPPs
- Dr. Jay Parrish  
State of Pennsylvania
- Mr. G. Michael Ritchie  
Photo Science
- Mr. David Schell  
Open Geospatial Consortium
- Mr. Eugene A. Schlier  
S.W. Florida Water Management District
- Dr. Christopher Tucker  
Erdas

NGAC Transition  
Recommendations



## The Changing Geospatial Landscape

A Report of the  
National Geospatial Advisory Committee  
January 2009

Changing Geospatial Landscape  
White Paper



# Key NGAC Products

## Best Practices For Local Government Geospatial Programs

Local government geospatial programs support a wide variety of government functions and provide the opportunity to minimize costs and maximize benefits for a jurisdiction's investments. A common saying in the geospatial community is "Build it once, use it a bunch." Successful geospatial programs are built on a foundation that includes many of the common elements listed below.

- 1 Establish a Geospatial Program.** Sustained coordination, planning, and execution are critical to working across complex organizations, such as local governments, to manage multiagency investments. Elements of successful programs include
  - **Executive sponsorship and support**—Enlightened mayors, county commissioners, city administrators, and tribal leaders don't leave this important function to chance—they use legislation, ordinances, or executive orders to establish geospatial programs.
  - **A defined strategic vision/mission**—A vision of the desired future state and a clear mission for the geospatial program guide the direction and investments in the program.
  - **Shared governance**—Agencies expected to coordinate activities, share costs, and derive benefits from the geospatial program are engaged in the program's administration through a steering committee or board whose members are drawn from stakeholders in the program.
  - **A designated coordinator or manager**—Local communities have an individual assigned with both the responsibility and resources to plan and oversee a geospatial strategy and program. The coordination responsibility is both horizontal (across the locality's departments) and vertical (with federal, state, regional, and neighboring jurisdictions).
  - **Use of recognized industry standards**—The geospatial industry has established standards to ensure that data collected for one purpose can be used many times to meet multiple needs. The adoption of standards and specifications published by the Federal Geographic Data Committee (FGDC) and the Open Geospatial Consortium, Inc. (OGC), are recommended.
  - **A geospatial strategy or plan**—The plan or road map outlines the jurisdiction's priorities and expected investments in geospatial data and technology. It might also specify what geospatial standards the jurisdiction will adopt to ensure interoperability.
- 2 Develop and Maintain Data as an Asset.** Local government geospatial programs typically create and/or license, maintain, document, and share a variety of datasets.
  - **Framework/Basis geospatial data**—"Base" geospatial data layers provide the context and means to tie other data to the ground and display it on a map.
  - **Transactional/live geospatial data**—Live data may be 911 and 311 calls, permits issued, inspections conducted, students enrolled, repair and maintenance work orders, and more. All this data can be mapped so it is created, allowing cross-cutting analysis across data sources.
  - **Metadata**—Metadata (information about data) is prepared to document the data's origins and limitations.
  - **Published data maintenance schedule**—To ensure reliability of the data and avoid duplication of effort and redundancy, effective programs publish maintenance schedules describing when and how the data will be maintained.

GIS Best Practices for Local Government

## Geospatial Workforce Development

A compendium of white papers focused on advancing geospatial workforce development.



A Report of the  
National Geospatial Advisory Committee

January 2012

Geospatial Workforce Paper

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# NGAC Guidance

## **2011 Guidance Focus Areas**

- Innovative Strategies for Geospatial Programs and Partnerships
- Geospatial Platform
- Geospatial Workforce Development
- Emerging Technologies
- Geospatial Partnerships with Tribal Governments
- Feedback on Specific Programs/Initiatives

## **2012 Guidance Focus Areas**

- Currently being developed

# NGAC 2011 Action Plan

Subcommittees/Task Teams	Members
1. <b>Innovative Strategies for Geospatial Programs and Partnerships</b>	Cowen, Nyerges (Co-Chairs), Austin, Reichardt
2. <b>Geospatial Platform Implementation</b>	Miglarese (Chair), Clark, Johnston, Krucoff, Kurilla, Pellicci, Salas, Schiller, Thompson
3. <b>Geospatial Workforce</b>	DiSera (Chair), Gabrynowicz, Johnson, McKay, O'Connell, Salas, Spicci
4. <b>Emerging Technologies</b>	Lopez, Nelson (Co-Chairs), Clark, Dangermond, Green, Miglarese, O'Connell, Olson, Reichardt, Trobia
5. <b>Geospatial Partnerships with Tribal Governments</b>	Wyatt (Chair), Johnston

# NGAC POCs

NGAC has designated Points of Contact (POCs) for several Federal programs and initiatives. In coordination with the NGAC DFO, the POCs will keep the NGAC members updated on key program activities, and notify the NGAC Chair and DFO if the program or initiative would like to solicit feedback or bring an issue to the NGAC for review.

Program/Initiative	NGAC POC	Federal POC
<b>Broadband Mapping</b>	Robert Austin	Mike Byrne, Anne Neville
<b>National Parcel Data</b>	Laurie Kurilla, David Wyatt	Don Buhler, Jon Sperling
<b>Geolocation Privacy</b>	Joanne Gabrynowicz	FTC Staff, John Mahoney
<b>Transportation for the Nation</b>	Gene Trobia	Steve Lewis
<b>The National Map/Elevation</b>	Gary Thompson	Mark DeMulder, Larry Sugarbaker
<b>National Land Imaging/Landsat</b>	Kass Green	Bruce Quirk
<b>Imagery for the Nation</b>	Tony Spicci	Stephen Lowe
<b>National Geologic Mapping</b>	Don McKay	Peter Lyttle, Kevin Gallagher
<b>Addresses</b>	Barney Krucoff	Randy Fusaro, Jon Sperling

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# Upcoming Activities

## Next NGAC Meetings:

- April 17-18 (AIA Building, Washington, DC)
- Sept 18-19 (AIA Building, Washington, DC)

## Establishment of NGAC Landsat Subcommittee

- New subcommittee to provide advice and recommendations on Landsat program

## 2012 NGAC Call for Nominations

- 10 of the 28 current NGAC appointments expire 12/31/12
- FGDC will issue Call for Nominations in Spring 2012



[www.fgdc.gov/ngac](http://www.fgdc.gov/ngac)