

Geospatial Data Policy: Federal Agencies and Non-Federal Advisors

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Beginnings

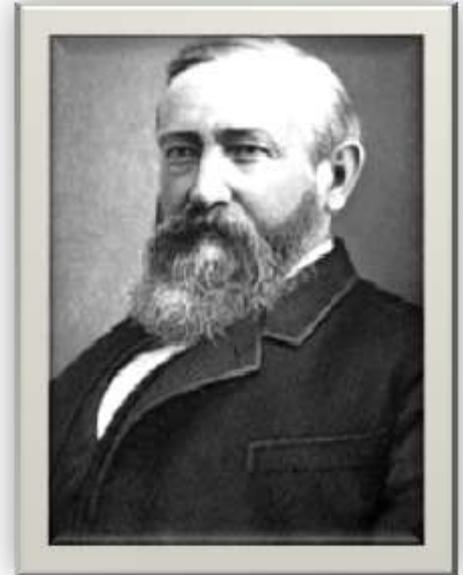
- ✦ Efforts to standardize data, share resources and avoid duplication began more than a century ago



U.S. Board on Geographic Names

✦ Executive Order 28 in 1890

- “it is desirable that uniform usage in regard to geographic nomenclature and orthography obtain throughout the Executive Departments of the Government, and particularly upon the maps and charts issued by the various departments and bureaus ”



President Benjamin Harrison

U.S. Geographic Board

- ✦ Created by Executive Order 493 in 1906
 - Renamed U.S. Board on Geographic Names
 - Expanded mandate: avoid duplication of work and improve the standardization of maps



President Theodore Roosevelt

Board of Surveys and Maps

- ✦ Created by Executive Order 3206 in 1919
- ✦ Assumed responsibilities of U.S. Geographic Board
- ✦ Goal: A central information office to furnish all map and survey data information within government as well as from other sources
- ✦ Invite the “map using public” to meetings for “conference and advice”

President Woodrow Wilson



How did the Board of Survey and Maps get advice?

- ✦ Created an Advisory Committee
- ✦ Major focus was the need for a “Topographic Map of the U.S.”
- ✦ Held first public conference in March 1920
- ✦ “..great possibilities, if we can do our work in harmony within the organizations and in full cooperation with agencies from the outside.”

Who was on the Advisory Committee?

- ✦ American Automobile Association
- ✦ American Forestry Association
- ✦ American Institute of Electrical Engineers
- ✦ Amer. Inst. of Mining & Metallurgical Engr.
- ✦ American Railway Engr. Association
- ✦ Association of State Geologists
- ✦ Engineering Council
- ✦ Geologic Society of America
- ✦ Map Publishers
- ✦ National Research Council
- ✦ Society of Automotive Engineering
- ✦ Later additions:
 - American Society of Photogrammetry
 - Rand McNally

Advisory Committee aligned with Board's Standing Committees

- ✦ Coordination
- ✦ Cooperation
- ✦ Technical Standards
- ✦ Topographic Maps
- ✦ Highway Maps
- ✦ General Maps
- ✦ Control
- ✦ Photographic Surveying
- ✦ Information



Board of Surveys and Maps

✦ During the period 1920-1936, six Executive Orders were issued amending Executive Order 3206

✦ 1942 (Executive Order 9094)

- Board and Advisory Committee abolished
- Bureau of Budget assigned responsibilities



President Franklin Roosevelt

Bureau of the Budget Circular A-16

- ✦ Issued originally in 1953
- ✦ Describes responsibilities of Federal agencies with regard to the coordination of surveying and mapping activities
- ✦ Revised and issued in 1967



President
Dwight Eisenhower



President
Lyndon Johnson

OMB Circular A-16 Updates



- ✦ 1970: Bureau of the Budget reorganized into Office of Management and Budget
- ✦ Revised and issued in 1990 and 2002
- ✦ Supplemental Guidance reissued in 2010

President
George H. W. Bush



President
George Bush



President
Barack Obama



OMB Circular A-16 Status

- ✦ A-16 remains the leading policy document for geospatial coordination in United States
- ✦ A-16 explicitly incorporates Executive Order 12906 (since the 2002 version)
- ✦ A-16 is the foundation for the Federal Geographic Data Committee, created in 1990

www.fgdc.gov



Federal Geographic Data Committee (FGDC)

- ✦ Promotes the coordinated development, use, sharing and dissemination of geospatial data
- ✦ Nationwide data sharing through the National Spatial Data Infrastructure (NSDI)
- ✦ Chair: Secretary of Interior (or designee)
- ✦ Vice Chair: Deputy Director for Management, OMB (or designee)
- ✦ Secretariat hosted by U.S. Geological Survey



National Geospatial Advisory Committee (NGAC)

- ✦ Created in 2008 (88 years after first Advisory Committee) under Federal Advisory Committee Act
- ✦ 28-30 diverse members of the geospatial community
- ✦ Meetings 3-4 times/year
- ✦ Meetings open to the public: public comments are welcome

NGAC Purpose

- ✦ Provide advice and recommendations on federal geospatial policy and management issues to Federal Geographic Data Committee
- ✦ Provide a forum to convey views representative of the geospatial community
- ✦ Provide advice on the development of the National Spatial Data Infrastructure

www.fgdc.gov/ngac

NGAC's First Meeting, April 2008



NGAC, The First Eight Years

Secretaries of the
Department of the Interior

2008

Dirk Kempthorne



2009

2010

2011

2012

2013

Ken Salazar



2013

2014

2015

Sally Jewell



NGAC, The First Eight Years

2008

James Cason



FGDC Chairpersons

2010

2011

2012

2013

2014

Anne Castle



2014

2015

Jennifer Gimbel



NGAC, The First Eight Years

2008 2009 2010



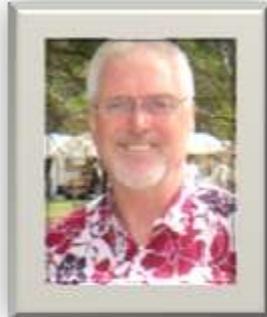
Anne Miglarese

2011 2012



Dave Cowen

2013 2014 2015



Bob Austin

NGAC Chairpersons

National Geospatial Advisory Committee, 2015

Dr. Robert Austin, NGAC Chair
City of Tampa, FL

Ms. Julie Sweetkind-Singer,
Vice Chair, Stanford University

Mr. Talbot Brooks
Delta State University

Dr. Keith Clarke
Univ. of California Santa Barbara

Mr. Steve Coast
Telenav

Mr. Dan Cotter
Dept. of Homeland Security

Ms. Patricia Cummens
Esri

Mr. David DiSera
RAMTeCH Corporation

Mr. Steve Emanuel
State of New Jersey

Prof. Joanne Gabrynowicz
Univ. of Mississippi Law School

Mr. Matthew Gentile
Deloitte Financial Advisory Svcs.

Mr. Bert Granberg
State of Utah

Mr. Frank Harjo
Muscogee (Creek) Nation

Mr. Jack Hild
Hild Enterprises, LLC

Mr. Michael Jones
Wearality

Mr. Jeff Lovin
Woolpert

Mr. Jack Maguire
County of Lexington, SC

Mr. Keith Masback
USGIF

Mr. Roger Mitchell
MDA Information Systems

Mr. Kevin Pomfret
Centre for Spatial Law and Policy

Maj. Gen. William N. Reddel III
New Hampshire National Guard

Dr. Doug Richardson
Assoc. of American Geographers

Mr. Anthony Spicci
State of Missouri

Mr. Gary Thompson
State of North Carolina

Dr. Harvey Thorleifson
University of Minnesota

Ms. Molly Vogt
City of Gresham, OR

Mr. Jason Warzinik
County of Boone, MO

Mr. David Wyatt
Eastern Band Cherokee Indians

Ivan DeLoatch (FGDC)
NGAC Designated Federal Officer

John Mahoney (FGDC)
NGAC Alternate DFO

Past and Current Contributions

- ✦ *The Changing Geospatial Landscape*
- ✦ *FGDC Strategic Vision for the Nation*
- ✦ Presidential Transition Recommendations
- ✦ Geospatial Platform guidance

- ✦ Subcommittee activities:
 - 3D Elevation Program (3DEP)
 - Workforce Development
 - Geospatial Privacy
 - Landsat
 - National Address Database (NAD)

Geospatial Platform

✦ Portfolio Management approach to GIS

- Project Management →
- Program Management →
- Portfolio Management

✦ Goals:

- Open government, transparency and accountability
- National geographic information system



www.geoplatform.gov

Transparent, Open Government



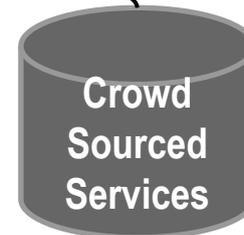
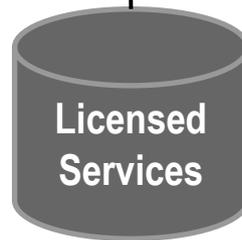
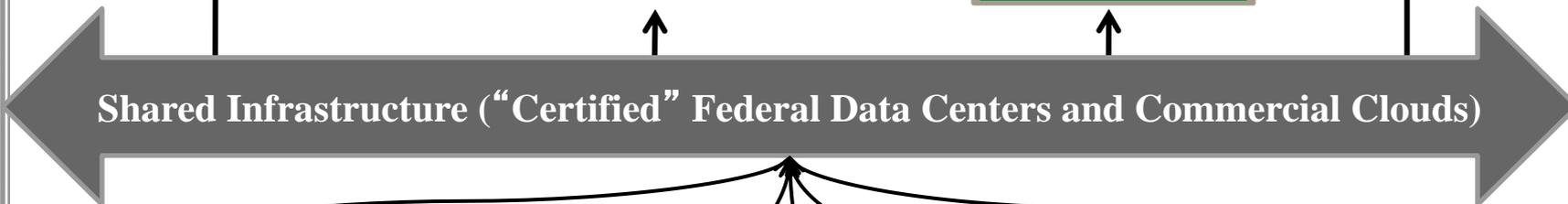
Administration Priorities



Agency Mission Needs



Non-Federal Uses



Lessons Learned from a Century+

- ✦ Coordination policies have well-established roots
- ✦ Policy goals have remained consistent
 - standards
 - authoritative information source
 - broad participation in the coordination process.
- ✦ Coordination of geographic data acquisition and dissemination is important

Lessons Learned from a Century+

- ✦ Ways to improve the effectiveness of often stove-piped organizational structures within the Federal Government are needed
- ✦ Need to stimulate cross agency coordination and collaboration
- ✦ Improving coordination and fostering organizational change that will benefit the development of the NSDI is difficult:
 - If it was easy, it would have been done 100 years ago

