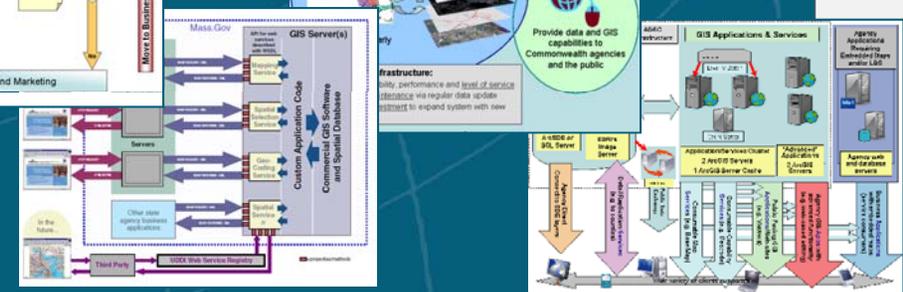
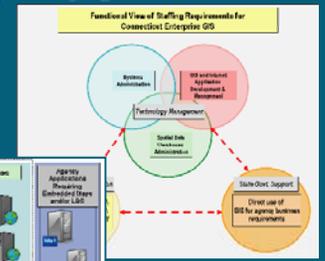
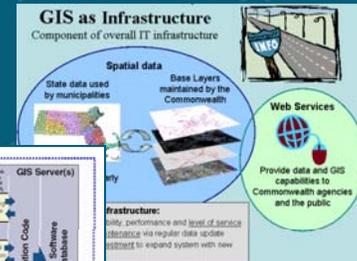
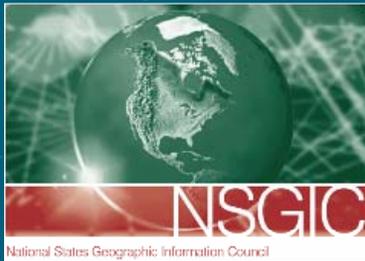


# Geospatial Coordination Strategic Plan for Pennsylvania



Presented by:  
Michael Turner  
Applied Geographics, Inc.

&  
The Strategic Plan Steering Committee

May, 2009

# With you today...

- **Michael Terner**
  - Applied Geographics, Inc.
- **Brady Stroh**
  - Center for GIS, Penn State Harrisburg
- **Strategic Planning Steering Committee**
  - Melissia Hinton, County Commissioners Association of Pennsylvania (CCAP)
  - Barry Hutchins, Lycoming County Public Safety
  - Eric Jespersen, Rettew Associate, PaMAGIC Board of Directors
  - Maurie Caitlen Kelly, Pennsylvania Spatial Data Access (PASDA)
  - Michael King, Legislative Office for Research Liaison
  - Asish Pal, geographIT Inc.
  - David Terrell, United States Geological Survey (USGS)
  - Stacey White, Commonwealth of Pennsylvania Geospatial Technologies Office (GTO)

# Agenda

1. What we did
2. What we found
3. What we recommended
4. What comes next
5. What do **you** think?

# What we did...

- Contracting w/ CCAP, oversight from Steering Committee representing a broad cross section of stakeholders

- **Six Information Gathering Sessions**

- Sept 15, **Clarion County**
- Sept 16, **Westmoreland County**
- October 16, **Lycoming County**
- October 17, **Cumberland County**
- November 12, **Chester County**
- November 13, **Carbon County**

- **On-line Survey**

- To help characterize PA GIS landscape and thoughts on a potential geospatial coordination council

- **Steering Committee deliberations**

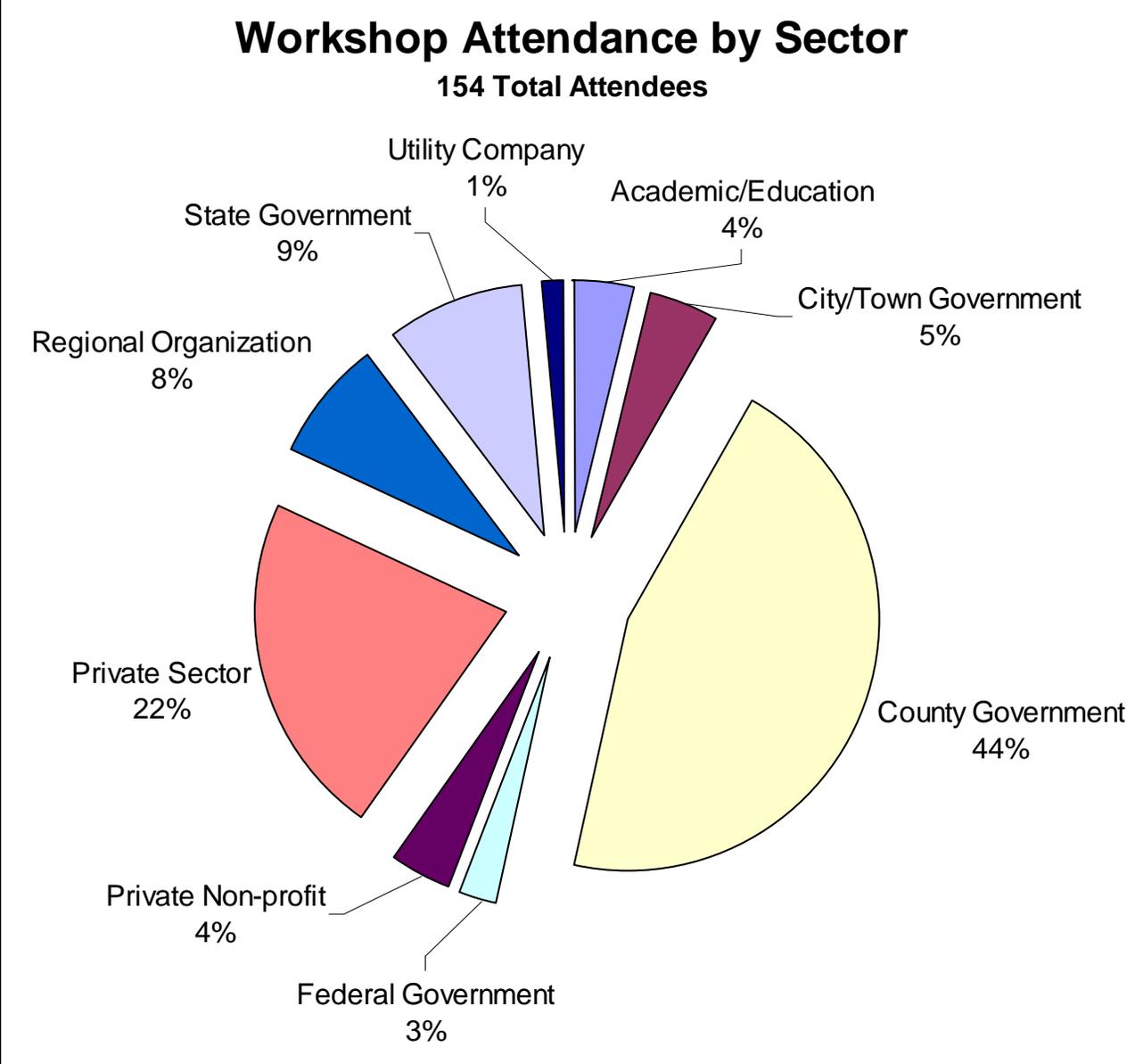
- **Authoring of a Strategic Plan**

- **Presentation of the Plan**



# Who participated...

Academic/Education
City/Town Government
County Government
Federal Government
Private Non-profit
Private Sector
Regional Organization
State Government
Utility Company
<b>TOTAL</b>



AL	%
6	4%
7	5%
69	45%
4	3%
6	4%
34	22%
12	8%
14	9%
2	1%
54	100%

# What we found...

- GIS is alive and well in Pennsylvania
  - Rich and diverse group of stakeholders
    - Local/County Govt., State Govt, Private Sector, Non-profits, Academia
- Much effort and many attempts directed at coordination
  - Non-governmental organizations: PaMAGIC, PA-MAPPS, County GIS Pros
  - Legislation such as HR-882 and HB-1304
  - Yet, one of only three states without a formally recognized geospatial coordination council (along w/ SD and FL)

# What we found...

## *Strengths*

- PAMAP Program
  - Succeeded in delivering 1 cycle of statewide imagery and 80% of statewide elevation data
  - Innovative collaboration with counties
- PASDA Clearinghouse
  - 1,000's of data sets publicly available
  - 19 terabytes of data downloads from Nov-07 through Oct-08
- Passionate and active geospatial professional community
  - People care; people are involved
- State government (self assessment):
  - Established standards
  - In-house ESRI trainers
  - Secure data storage and data services
  - Strategic redundancy
  - Shared resources
    - TeleAtlas enterprise license
    - Pooled ESRI licenses via Citrix
    - Geocoding, address verification web services

# What we found...

## Weaknesses & Challenges

- Size of the Commonwealth and number of governmental units
- Loss of funding for PAMAP program
  - In current fiscal climate, holding the recurring elements of program are understandable; cutting the completion of the elevation data was shortsighted
- Autonomous initiatives have not been coordinated into a statewide infrastructure
- State government resource limitations for coordination
  - The size of the GTO team is small in comparison to other states
- Lack of understanding of the value of geospatial technology by decision makers
- State government (self assessment):
  - Insufficient funding/budget limitations
  - Data sharing difficulties
  - Enterprise GIS DB refreshment process needs improvement
  - Lack of civil service GIS job classifications
  - Turf wars exist
  - Need to better articulate "*who we are; what we offer, and what we do*" to managers

# What we found...

## *Opportunities*

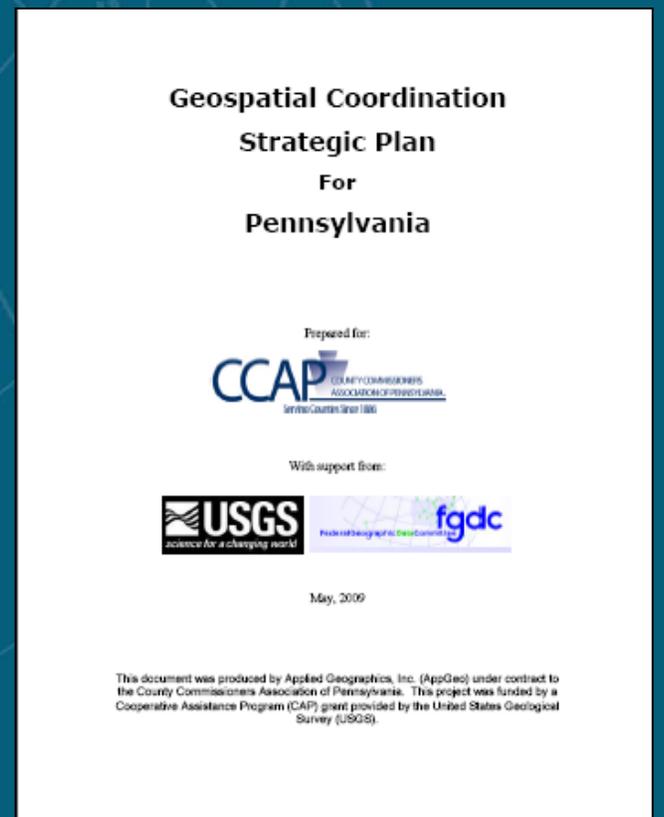
- Genuine desire to move forward
  - People are engaged and paying attention
- Broad based support for creating a geospatial coordination council
  - In survey, 70% of respondents agreed that “A new statewide geospatial council should be created”
- Cooperative multi-jurisdictional projects have proven effective
  - Northwest Regional Planning & Development Commission: 4 county, 138,000 parcel automation project saved \$200K
  - Regional Federated GIS Pilot Projects

# What we recommended...

- In light of:
  - Clear needs and interest, and
  - Economic conditions that are not amenable to grand visions and significant new investment
- A single, direct, overarching programmatic goal of:

**The successful establishment and implementation of a Pennsylvania Statewide Geospatial Coordination Council within a 1 year time period**

- Stating the obvious, but in an organized fashion with context and back-up



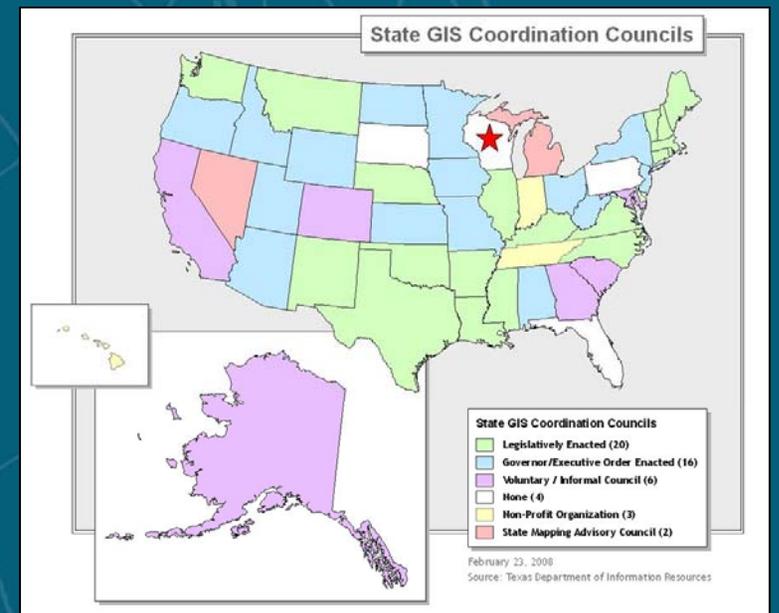
# What we recommended...

- Vision Statement for a new council:  
Complex geospatial technology decisions and investments will be simplified and improved through open communications, collaborative efforts and unified planning
- Mission Statement for a new council  
To foster communication and provide a forum for shared planning and decision making among public and private entities that create and utilize geospatial data and systems; and to encourage a collaborative, consensus oriented environment for promoting the Commonwealth's geospatial evolution and creating a common vision for future geospatial development in Pennsylvania.

# What we recommended...

## *Council formation*

- Council should be formed and recognized formally via state government
  - Informal organizations have not fully met Pennsylvania's needs
  - Vast majority – 36 of 47 - of other statewide councils were created through legislation or Executive Order
- Council should have an “administrative home”
  - Logistical and administrative support
  - Minimal costs
    - 8 person day/year
    - \$4,000 /year in travel reimbursement
- Review and track Wisconsin's experience
  - Newest council formed in 2008



# What we recommended...

## Council role

- Workshops identified many potential roles for a council
- Survey presented 12 potential roles to users for prioritization
- Six initial roles are recommended
  - Based on survey responses where >65% of respondents identified activity as a “primary role” and with Steering Committee agreement

Role	% Survey Responses Tagged as Primary Role	Recommended Role
Advocate for statewide geospatial initiatives and programs	89.5%	Primary role
Generate and maintain a statewide geospatial strategic plan	87.5%	Primary role
Advise on the prioritization of statewide geospatial initiatives and programs	80.0%	Primary role
Advocate for sustainable funding for geospatial activity	74.4%	Secondary role
Review and comment on legislation with geospatial provisions	65.0%	Secondary role
Serve as the focal point for geospatial communication and coordination	65.0%	Secondary role

# What we recommended...

## *1 year timeline for council creation*

Activity	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009	Nov 2009	Dec 2009	Jan 2010	Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010
Finalization of Geospatial Strategic Plan	■												
Endorsement of Strategic Plan (e.g. from PaMAGIC, PA-MAPPS, CCAP, County GIS Pros, etc.)		■	■										
Education of Senior Executives and Legislators on requirements for and benefits of a council			■	■	■								
Consensus achieved on vehicle for council creation and administrative home						■	■	■					
Formal creation of the council									■	■			
Members of the council are named											■	■	
First meeting is conducted													■

# Conclusion

## *What comes next...*

- Although it may be relatively easy to put this plan “on the shelf”, concerted effort, energy and creativity can succeed in moving forward and towards implementation, and the creation of the council.
- ...the key first step is to gather support for this plan and for council formation and to enlist organizations to advocate for its implementation. With enough support, hopefully a strong voice and champion for geospatial coordination will emerge who can build momentum and creatively bridge the disagreements that have so far prevented a council from being formed. This document defines the goals and provides an overall game plan. The geospatial community team now needs to run the plays to execute that game plan.

# Getting the plan: [http://clients.AppGeo.com/PA\\_GIS\\_StrategicPlan](http://clients.AppGeo.com/PA_GIS_StrategicPlan)

PA GIS Strategic Plan Project - Windows Internet Explorer

http://clients.appgeo.com/PA\_GIS\_StrategicPlan/

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**Geospatial Coordination Strategic Plan for Pennsylvania**

[Final Plan](#)

**Final Plan**

[Attachments](#)

[Attachment 1 - Stakeholder Workshop Materials](#)      [Attachment 3 - Stakeholder Meeting Summaries](#)

[Attachment 2 - Survey Summary](#)      [Attachment 4 - Commonwealth GTSC Meeting Minutes Oct 10, 2008](#)

**GIS Strategic Plan Steering Committee**

This project is being overseen by a broad-based Steering Committee.

**Steering Committee Members:**

Melissia Hinton, CCAP, County Government – Project Manager

Barry Hutchins, Lycoming County Public Safety, County Government

Eric Janssen, Patton Associates, Private Sector

Done

Internet 100%

# Questions & Discussion

