

National Spatial Data Infrastructure (NSDI)

Advancing the Fifty States Initiative

Update/Review for the FGDC Coordination Group
July 20, 2010

Presentation Outline

- I. Fifty States Program Activities
 - A. Outreach to Eligible States and Territories
 - B. NSGIC Mid-Year Workshop Feedback
 - C. Measuring Progress of Statewide Coordination Efforts
 - 1) Geospatial Platform Report
 - 2) Survey of Fifty States Grant Recipients
 - 3) Case Studies
- II. Progress This Year on Federal Workshop Recommendations from 2009 (Closing the Loop)
- III. Lessons-Learned by Grant Recipients
- IV. Project Team
- V. Next Steps Review

I. Review of FY 2010 Project Activities

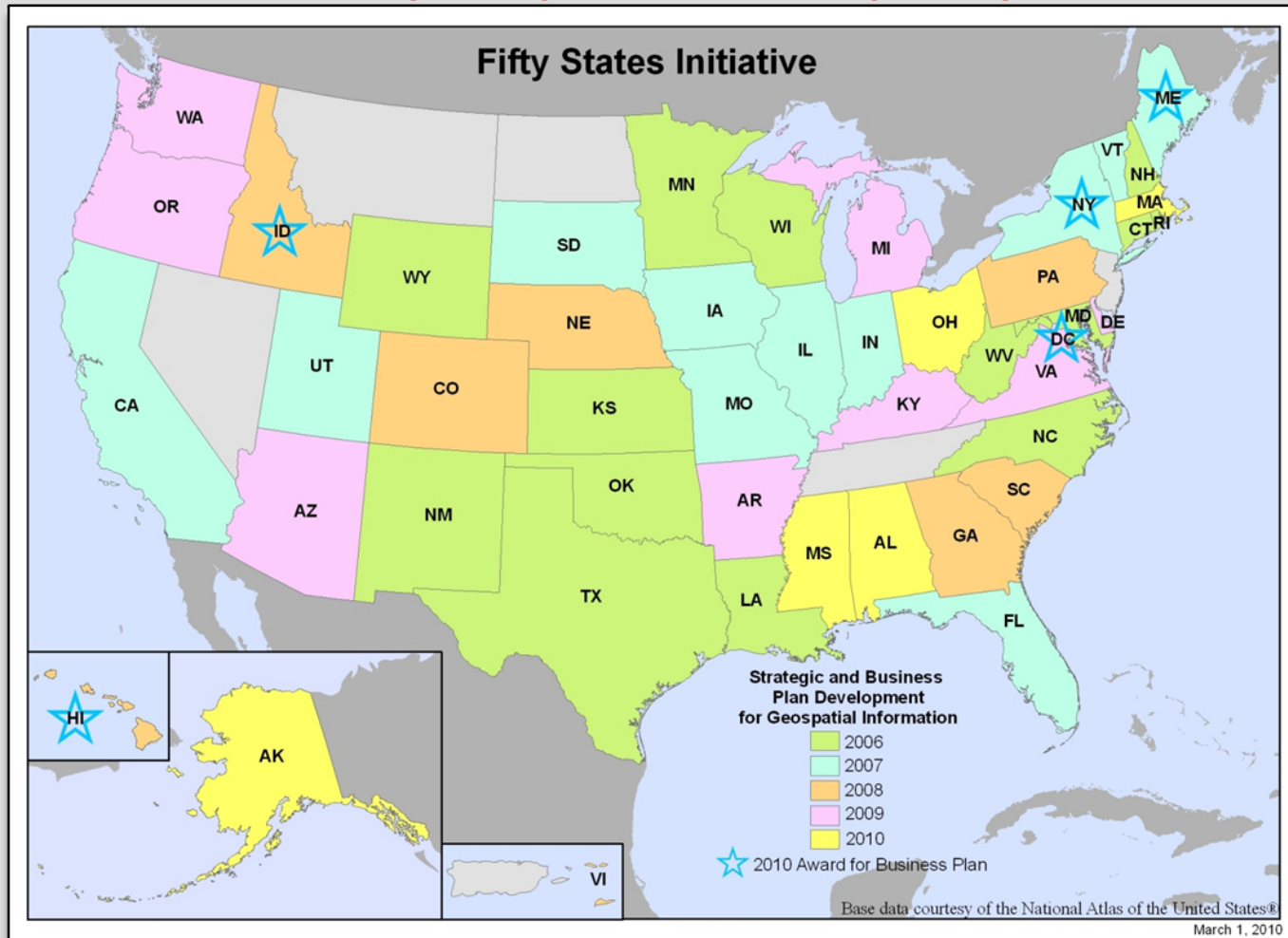
Deliverable Item	Duration and/or Due Date
Outreach to CAP Candidates	October-December 2009 (Completed)
Fifty States Strategic & Business Planning Workshop (and Report)	March 2010 (Completed)
Assess Statewide Coordination Efforts	May-September 2010 (Underway)
<i>Geospatial Platform Report</i>	<i>June 2010 (Completed)</i>
<i>Survey of Grant Recipients</i>	<i>June-July 2010 (Completed)</i>
<i>Case Studies</i>	<i>May-July 2010 (In Progress)</i>
<i>Final Report</i>	<i>August (Draft)-September (Final) 2010</i>

A. Outreach and Support to Grant Process

- WebEx orientation for grant candidates on application process
 - For States c/o NSGIC
 - For Regions c/o National Association of Regional Councils (NARC)
- Phone and email support to eligible candidates
- Evaluation support c/o NSGIC on applications
- 53 CAP grants awarded since 2006 (this includes 10 for 2010)
 - 45 states, plus DC and USVI (5 states & DC received more than one grant)
 - 35 **Strategic Plans** available; 18 **Business Plans** available
 - Sample plans posted at:
<http://www.fgdc.gov/policyandplanning/50states/tableofplans>

10 CAP Grant Recipients in 2010

5 StratPlan (Cat 3) & 5 BizPlan (Cat 4) Grants



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B. Fifty States Workshop at NSGIC Mid-Year Conf.

- Held at the NSGIC Mid-Year Meeting in Annapolis, Maryland, on Sunday March, 7, 2010
- 45 people participated in the workshop to learn about the GIS Strategic and Business Planning Process in support of the Fifty States Initiative
- This was the fifth consecutive year that the workshop has been conducted
- Attendees included a variety of interested NSGIC members, contractors, federal agency staff and invited guests (e.g. a NARC representative), AND the 2010 recipients of Fifty States grants

Feedback from the NSGIC 2010 Workshop for Fifty States Grant Recipients

- **Continue the lightning talks** by states who have already done planning projects (i.e. mini-case studies on what went well, or not so well!)
- **Continue the breakout sessions** for Strategic Planning and for Business Planning in parallel, but allow more time for questions and discussion
- **Spread the message on shifting from planning to implementation** to the larger NSGIC audience at the conference itself
- **Create a new “roadmap to success” checklist** of steps to take after receiving a grant, reflecting the experience of several years of following the Fifty States Strategic and Planning process guidance
- **Provide a new list of performance measures and collectible metrics** for implementing state spatial data infrastructures, both quantitative and qualitative

Feedback from the NSGIC 2010 Workshop...(continued)

- **Recognize investments by local and regional governments** in spatial data infrastructure
- **Provide a list of ways that the USGS Geospatial Liaisons can help** with both the creation and implementation of plans
- **Keep reaching out to non-state agency stakeholders --** Stakeholders enjoy the states coming out to see them to gather input during the workshop phase of planning
- **Provide guidance on convincing** non-GIS budget people with non-GIS arguments
- **Handle with care** any discussions about generating revenue or saving money

C. Approach to Measuring Progress in 2010

- **New case studies underway:** Arkansas, Maine, Hawaii, South Carolina, and Virginia
- **On-line survey of Fifty States grant recipients** and follow-up interviews executed during June-July on effectiveness of grant program
- **Updated report to be delivered** as Draft in August and Final in September

Quick Summary of Measuring Progress Report from 2009

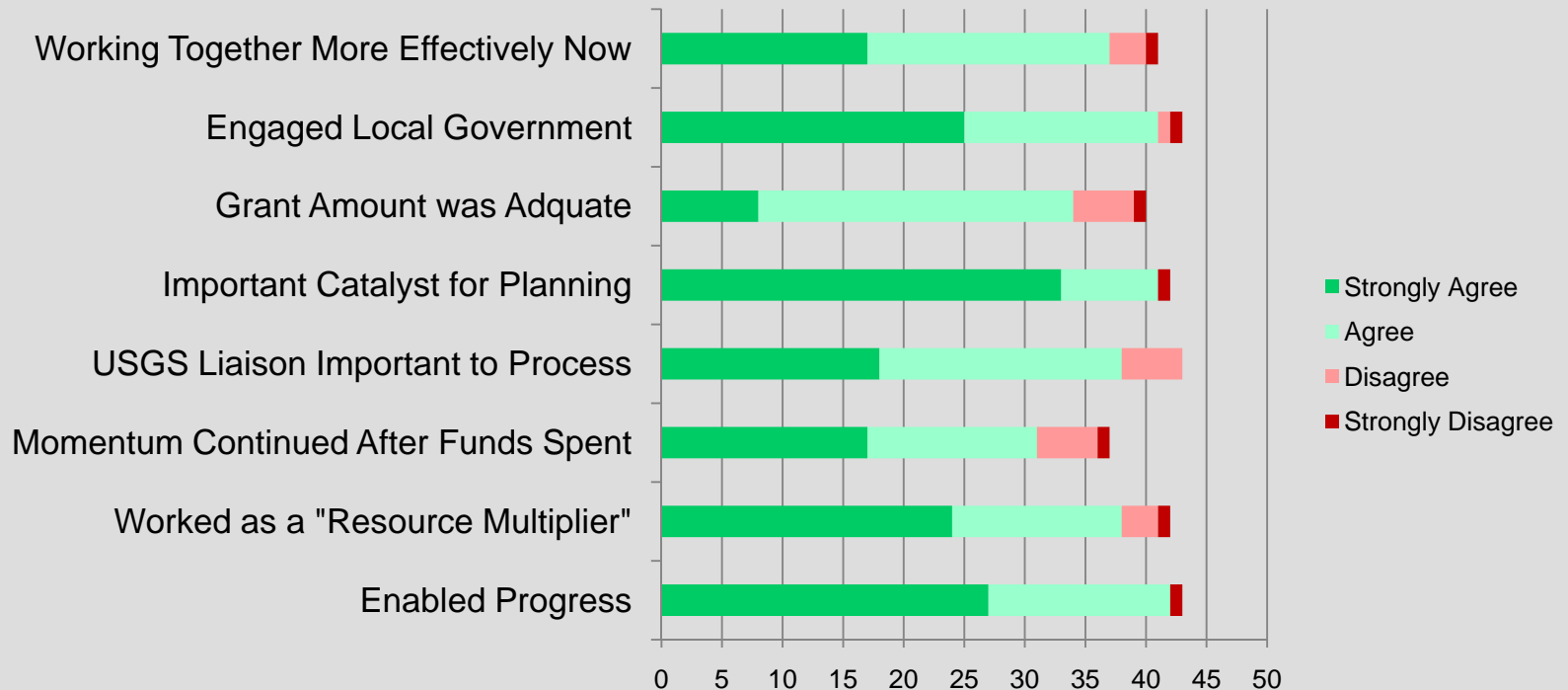
- Fifty States CAP grants have:
 - Provided a critical catalyst for planning, goal setting & achievement
 - Stimulated greater involvement, investment and progress
 - Raised awareness of NSDI as an important strategic requirement
- Grant Program is Considered Successful by:
 - USGS GeoSpatial Liaisons
 - Census Regional Geographers
 - State Geodetic Advisors
- Strategic and Business Plan **Guidelines received high marks** with regard to “usefulness” in responses to online survey
- Data on measures of state coordination between 2006-08 indicate **base level of coordination exists in most states**, although funding remains a concern

2010: New Case Studies

- **Arkansas:** “It [2009 Fifty States project] provided a mechanism for communications with state leadership and stakeholders...” {RE: Engaging state leaders and stakeholders in NSDI-related efforts}
- **Hawaii:** “As a result of the 2008 Fifty States project, the Council recruited more non-Board members to take active roles in governance...” {RE: Engaging stakeholders to participate in NSDI-related efforts}
- **Maine:** “The stakeholder forums and sharing of priorities were most valuable” {RE: Setting the stage for implementation of parcels pilot}
- **South Carolina:** “Without it [2008 Fifty States project], we might be 20% along the way of where we are now...” {RE: Building relationships with local government for data sharing}
- **Virginia:** “The project [2009 Fifty States project] provided the glue to help advance collaborative efforts needed in VA...” {RE: Building relationships with local government for collaboration}

2010: On-Line Survey Results

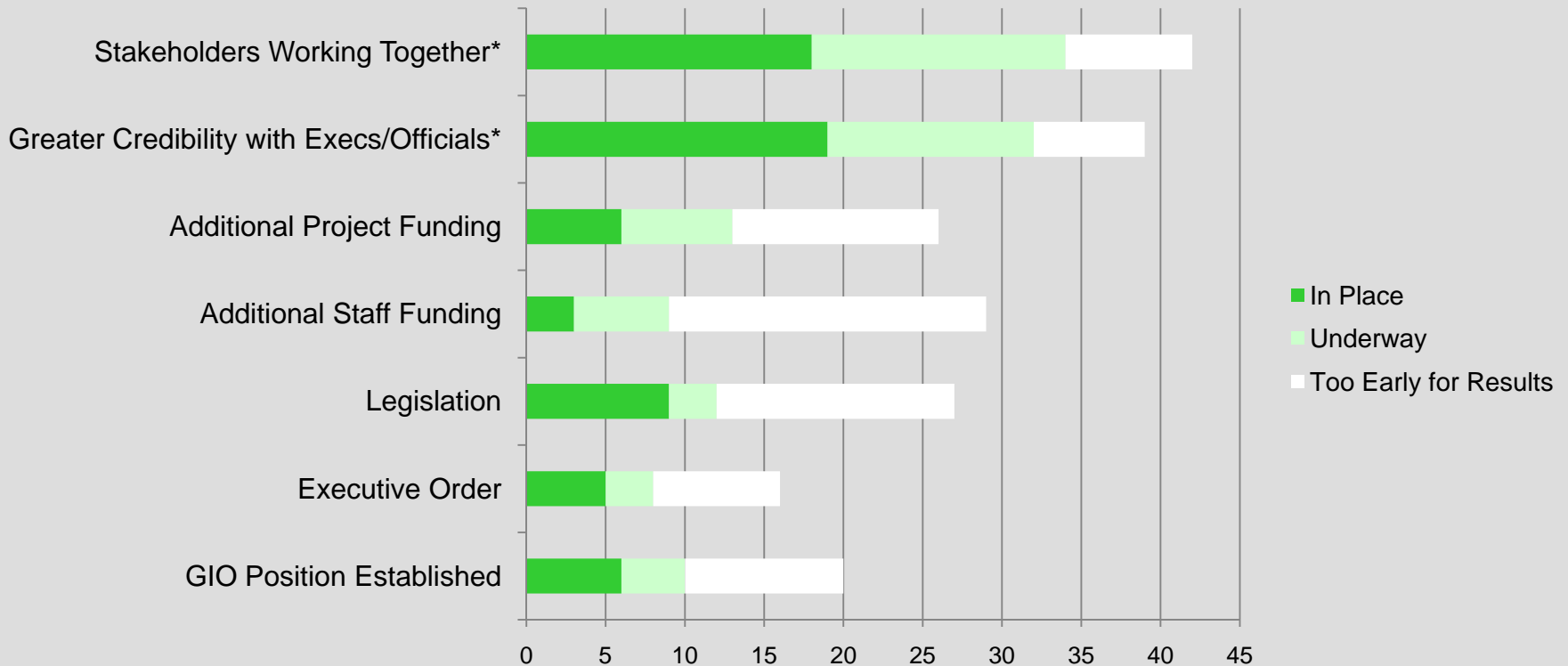
- States were asked to provide level of “agreement” with statements about the process and results (44 States responded as of July 8, 2010)



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2010: On-Line Survey Results

- States were asked which of the following results can be attributed to their planning process.



* Grant was deemed an especially important catalyst in achieving these particular results.

2010: Geospatial Platform Report

Based on review of 53 plans from 38 jurisdictions

DATA:

- Heavy prioritization of the seven original framework layers
- Other notable data priorities amongst the states include:
 - *Addresses*
 - *Buildings & Critical Infrastructure* data
- Since the Plans were written pre-ARRA, they reflect limited involvement in Broadband Mapping (which is now a priority in many states)

APPLICATIONS:

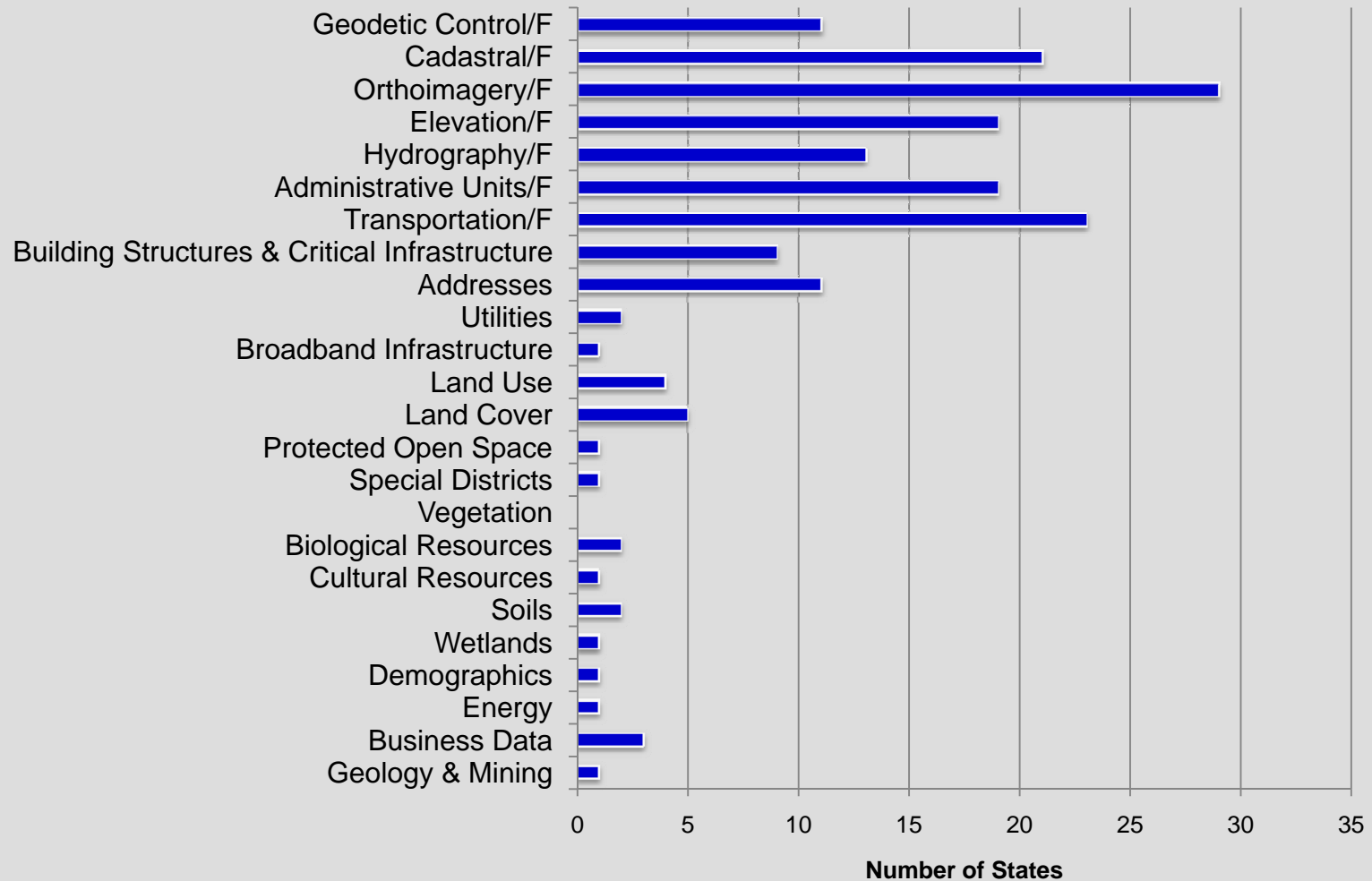
- The top application priority: *Emergency Mgt. / Homeland Security*
- Other frequently prioritized applications: *Economic Development; Environment; Community Planning; and Transportation*

SERVICES:

- Highest priority: *Coordination / Standards / Best Practices*
- Data-oriented services of high priority: *Basemap and Imagery*
- *Geocoding, and Hosting / Provisioning* were also frequently mentioned

2010: Geospatial Platform Report

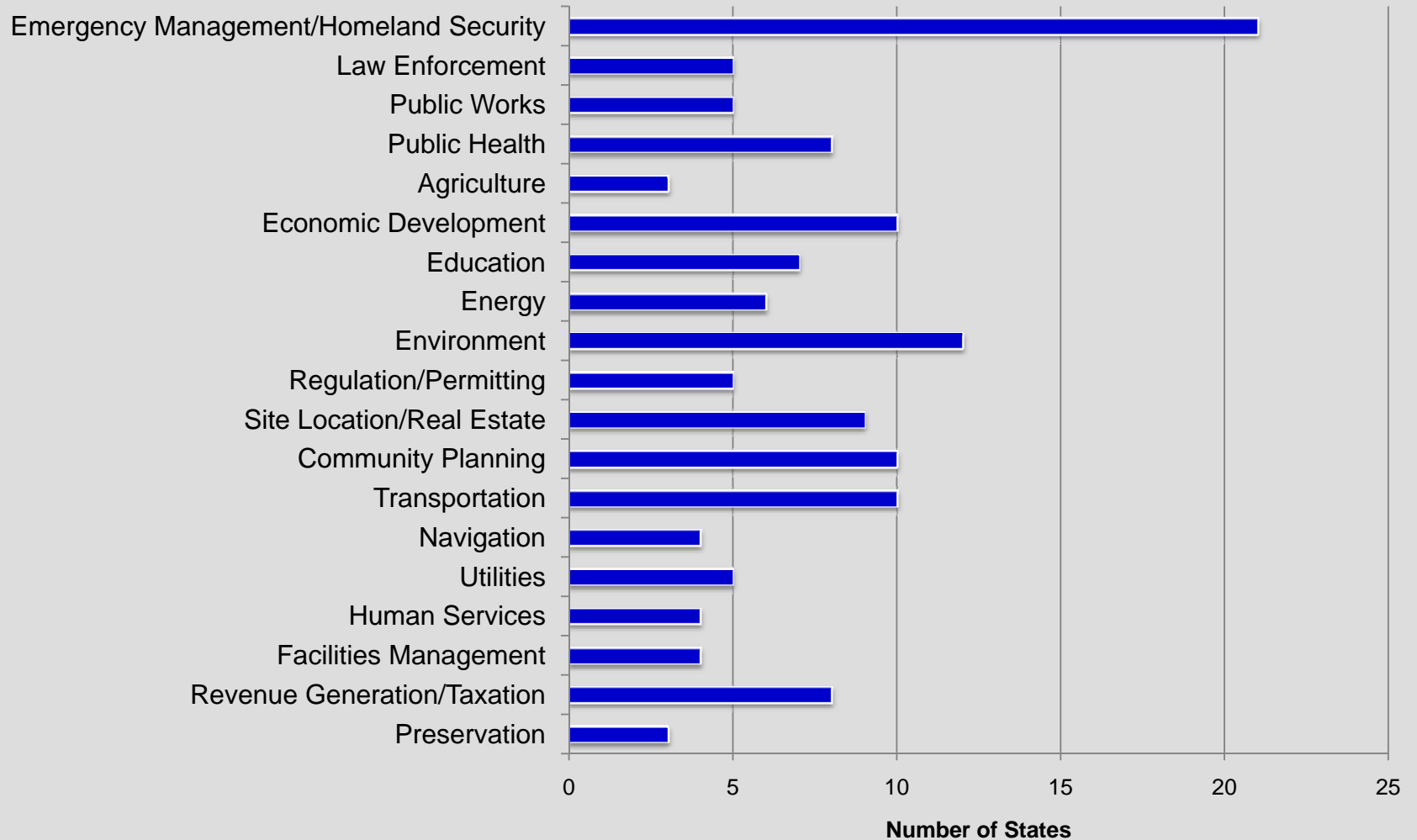
Data



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2010: Geospatial Platform Report

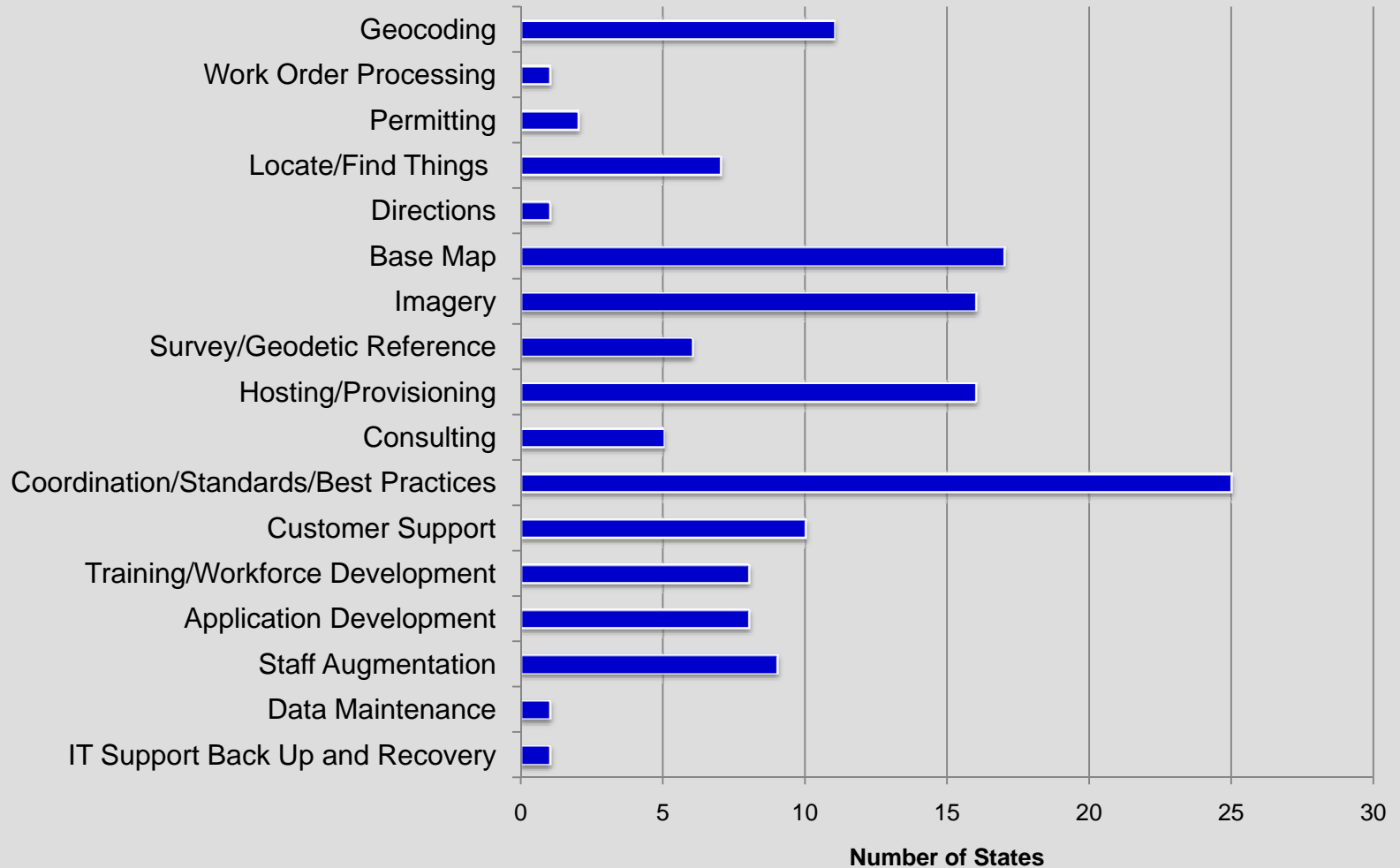
Applications



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2010: Geospatial Platform Report

Services



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II. Progress on Key Items from Federal Stakeholder Workshop in 2009

Closing the Loop (Recommendation/*Action*):

- Leverage Federal grant giving and attach “strings” to grants (e.g. minimum required plan components)
 - *New “minimum required elements” added to both Strategic Plans and Business Plans for Class of 2009 and 2010*
- Consider both DC/HQ-based and regional Federal perspectives
 - *Federal Employee Survey completed in June 2009 which included USGS Liaisons, Census Regional Geographers, and State Geodetic Advisors*
- Giving something back to partners is the basis of a good partnership
 - *FGDC has continued to fund Fifty States grants, and recipients are complying with mandatory elements*

Fed. Workshop Follow-up (Cont'd)

- Evaluate how partnerships are working from multiple perspectives (360 viewpoint)
 - *Last year, the Federal perspectives were captured by survey; this year, the State perspectives will be captured by survey.*
- Think beyond the 7 Framework data sets for “data of national significance” and build “communities of interest”
 - *Plans now listing “Other Base Themes of Significance” (mandatory if applicable – not all plans address data)*
- Recognize limitations of state “self evaluation” for performance measurement
 - *Measuring Progress Report recommended more investigation needed to effectively “measure” progress toward coordination; FGDC funding effort to produce a Geospatial Maturity Assessment (GMA) model for the States to use, in cooperation with NSGIC*

Fed. Workshop Follow-up (Cont'd)

- What comes after all Strategic Plans are done?
 - *A specific recommendation was made to shift toward implementation, and a new category of grants was added for Business Plans, which focus on implementation*
- Continue the Fifty States Initiative
 - *Five new Strategic Plan grants and five new Business Plan grants were awarded in 2010, and the 1st of two option years on the current project team effort was exercised*

III. Lessons-Learned by Fifty States Grant Recipients

Common Issues the States Face

- Many states have **internal coordination challenges**
 - Huge amounts of state GIS happen at the Agency level (e.g. DOT, DNR, DEP, DPH) to support mission requirements
 - Coalescence with IT, where it is happening, brings cultural, personnel, and business challenges (e.g. chargebacks, fees for services, job classification)
 - Engaging local government partners for data sharing and cooperative funding
- States are a **microcosm of federal NSDI** coordination
 - In both horizontal and vertical dimensions!

How states are trying to making GIS relevant

- It's not about GIS *technology*, it's about how GIS is used...
 - Common state issues and business-drivers:
 - **Economic development**
 - **Education**
 - **Alternative energy**
 - **Public safety**
 - **Broadband infrastructure**
 - From **Wisconsin's** Executive Summary (emphasis added):

Emergency response. Wireless 911. Pandemic planning. Voter registration. Sex offender tracking. ..The coordinated use of geographic information and technologies, including geographic information systems (**GIS**), **is the most effective way to meet these challenges.**

Recognized progress has been made toward SSDI and NSDI at individual state level

- Organizational Change and Alignment – GIOs, GIS/IT alignment
- Investments in statewide framework data layers
- Stakeholder coordination – new or reinvigorated coordination entities and participation
- Clearinghouse enhancements and upgrades

IV. Project Team

Project Sponsors:

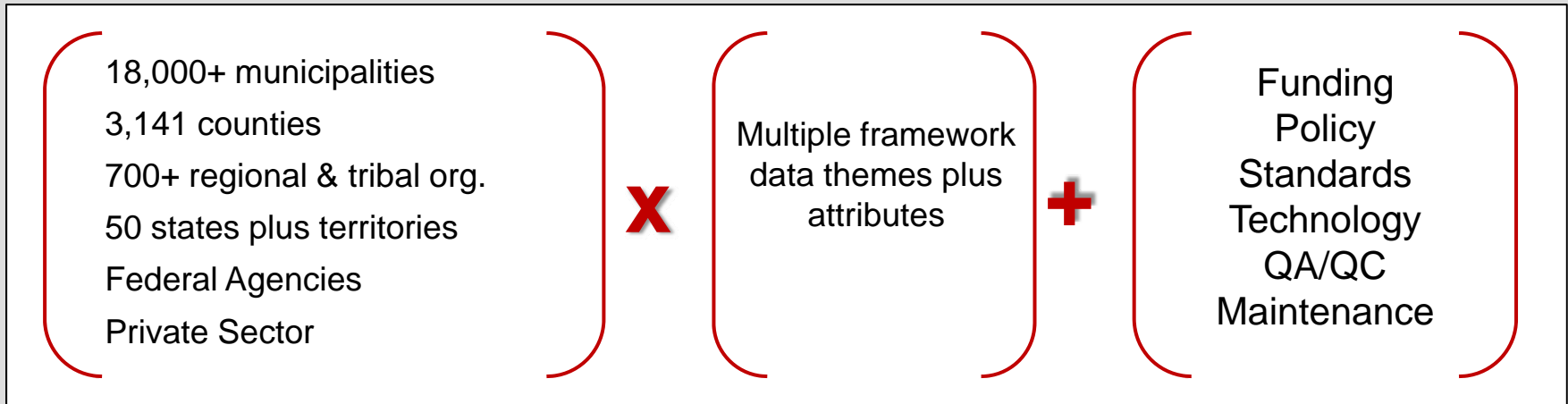


Project Contractor Team:



V. Review of Next Steps

Challenges and Opportunities



- **Catalog Success:** *Document Meaningful Outcomes*
- **Shift Emphasis:** *From Planning to Implementation Support*
- **Extend & Align:** *With Business Needs and Investment Strategies*

Advancing NSDI - It's still a big challenge!

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Next Steps

Recommendations – *Catalog Success*

1. Create Measurements of Success for NSDI
 - Data and non-data related metrics
 - Standardized measures of critical components; e.g., Geospatial Maturity Assessment (GMA); NSGIC GIS Inventory
 - Self- assessment + Concurrence statements
 - Streamlined reporting system(s)

2. FGDC Should Create a Best Practices Library of Federal Agency and Statewide Case Studies for Common Issues and Opportunities
 - Document quantitative and qualitative successes, resources, strategies, methods, and case studies

Next Steps

Recommendations – *Shift Emphasis*

3. **Fifty States Initiative CAP Grant Emphasis Should Shift from Strategic Planning to Business Planning**
 - State strategic plans have identified numerous programmatic goals and worthwhile initiatives
 - Detailed business planning leads to funding and implementation
 - FGDC/NSGIC Business Planning Guidelines help states to make the business case

4. **States Should Be Able to Use Fifty States Initiative CAP Grants to Catalyze Implementation Action on Their Strategic and Business Plans**
 - CAP Grant seed funding for implementation projects can catalyze action and leverage other funding resources
 - Benefits NSDI development

Next Steps

Recommendations – *Extend & Align*

5. FGDC Should Consider CAP Strategic and Business Planning Awards to Regional, County, and Local Governments
 - Regional entities play important role in aggregating and stewarding data
 - Linked to CAP Grant supported SP and BP at state level
 - Fosters inter-governmental coordination and cooperation
6. The CAP Grant Fifty States Initiative Grant Process Should be Aligned with Other Federal Grant and Funding Programs Targeted to States
 - E.g., Homeland Security, Transportation, ARRA funded Broadband Mapping,...
7. Continue and Strengthen Fifty States Initiative Communications and Marketing Activities

Next Steps

Recommendations – *Summary*

1. Create **Measurements** of Success for NSDI
2. FGDC Should Create a **Best Practices** Library of Federal Agency and Statewide Case Studies for Common Issues and Opportunities
3. Fifty States Initiative CAP Grant Emphasis Should Shift from Strategic Planning to **Business Planning**
4. States Should Be Able to Use Fifty States Initiative CAP Grants to Catalyze **Implementation Action** on Their Strategic and Business Plans
5. FGDC Should Consider CAP Strategic and Business Planning Awards to **Regional, County, and Local Governments**
6. The CAP Grant Fifty States Initiative Grant Process Should be **Aligned with Other Federal Grant and Funding Programs** Targeted to States
7. Continue and Strengthen Fifty States Initiative **Communications** and Marketing Activities

Implementing Statewide Strategic and Business Plans



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