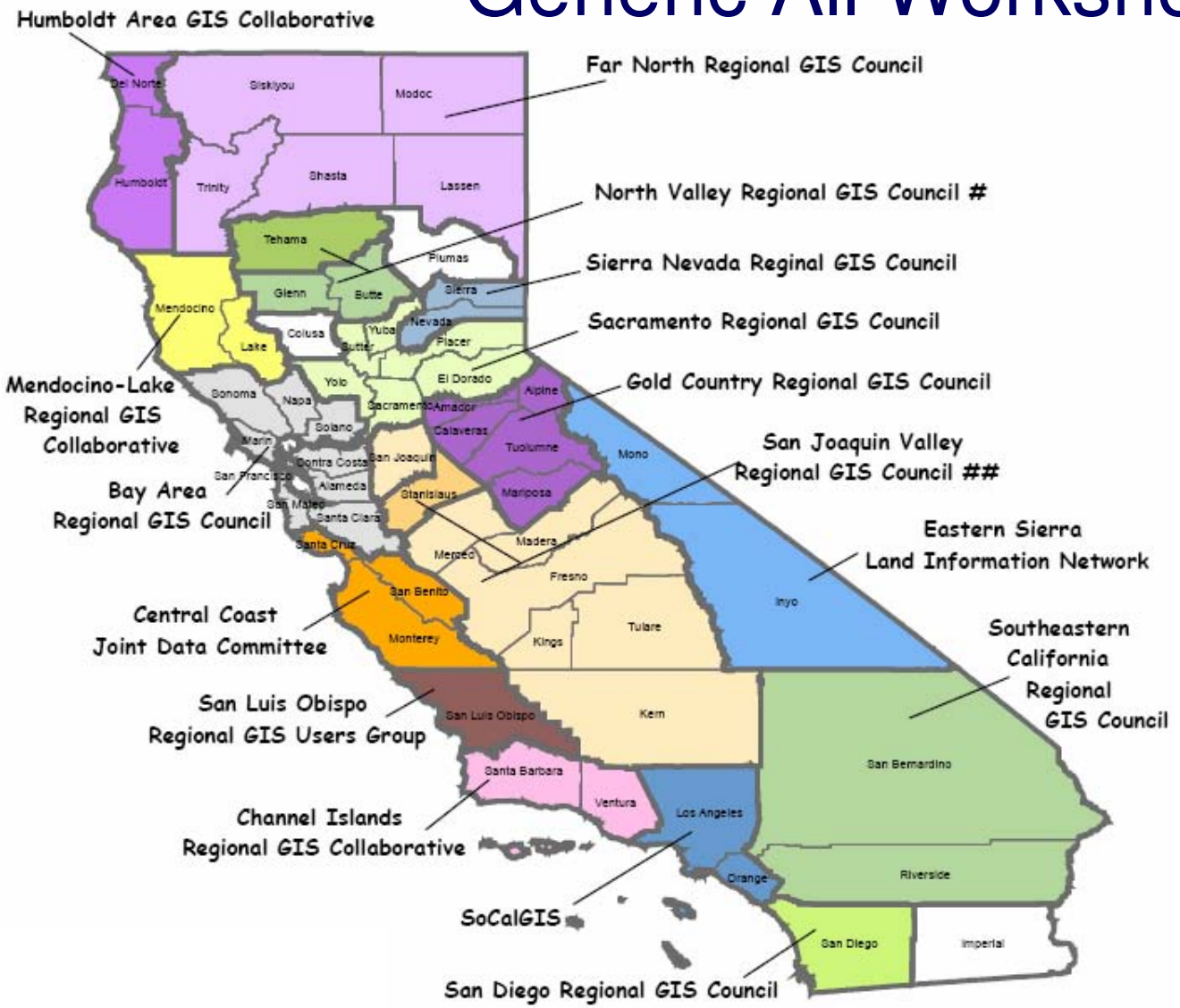
California GIS Strategic Plan
Phase 2: Regional Participation
Generic All Workshops CA



Collaboratives Represented Today?

- Bay Area Regional GIS Council
- Central Coast Joint Data Committee
- Channel Islands Regional GIS Collaborative
- Eastern Sierra GIS Network
- Far North Regional GIS Council
- Gold Country Regional GIS Collaborative
- Humboldt Area GIS Collaborative
- Mendocino-Lake Regional Collaborative
- North Valley Regional GIS Council
- Sacramento Regional GIS Council
- San Diego Regional GIS Council
- San Joaquin Valley Regional GIS Council
- San Luis Obispo Regional Council
- Sierra Nevada Regional GIS Council
- SoCal GIS
- Southeastern California GIS Council

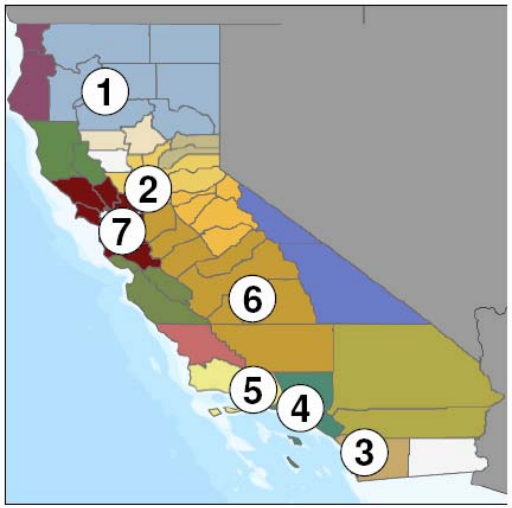
What is this project all about?

The vision guiding the CA-SDI Draft Strategic Planning process is for California to create and maintain a robust and efficient spatial data infrastructure that provides quality geospatial information in the service of improving quality of life for all Californians.

Work with the California GIS Council Lead representative to solicit, identify, summarize, and integrate **regional perspectives** into a draft Strategic Plan work product that contributes to development of a California Spatial Data Infrastructure (CA-SDI).

Project Elements

	Aug 07	Sept 07	Oct 07	Nov 07	Dec 07	Jan 08	Feb 08	Mar 08	Apr 08
Kickoff Meeting									
Workshop Presentation Development									
Workshop Locations Selected									
Establish Dates/Venues with Collaboratives									
Develop Outreach Flyer									
Notify Geospatial Community									
Survey Development									
Administer Survey									
Compile Survey Results									
Identify Ph 2 Plan Content Outline									
Conduct Workshops									
Develop Draft Ph 2 Plan									
CA Geospatial Community Feedback									
Finalize Plan									
Publish Phase 2 Strategic Plan									
Present Project Results at CalGIS 2008									



248. Have you applied/used the California Environmental Information Catalog at a regional or local level?		
Yes	5	50%
No	5	50%
Total	10	100%

249. Do you view the establishment of a state government GIO as important?		
Yes	8	80%
No	2	20%
Total	10	100%

250. Phase 1 of the Strategic Plan identified the following principal responsibilities of a GIO. What roles and responsibilities do you (the Region) envision for a state GIO? Select all that apply...		
Provide leadership in the development and sharing of geospatial data	9	90%
Provide leadership in the development and sharing of geospatial web services and tool	6	60%
Provide leadership in the establishment of GIS technology and data standards	5	50%
Promote best practices for methods and procedures related to the use and development of geospatial data and geographic information systems	7	70%

Project Sponsors

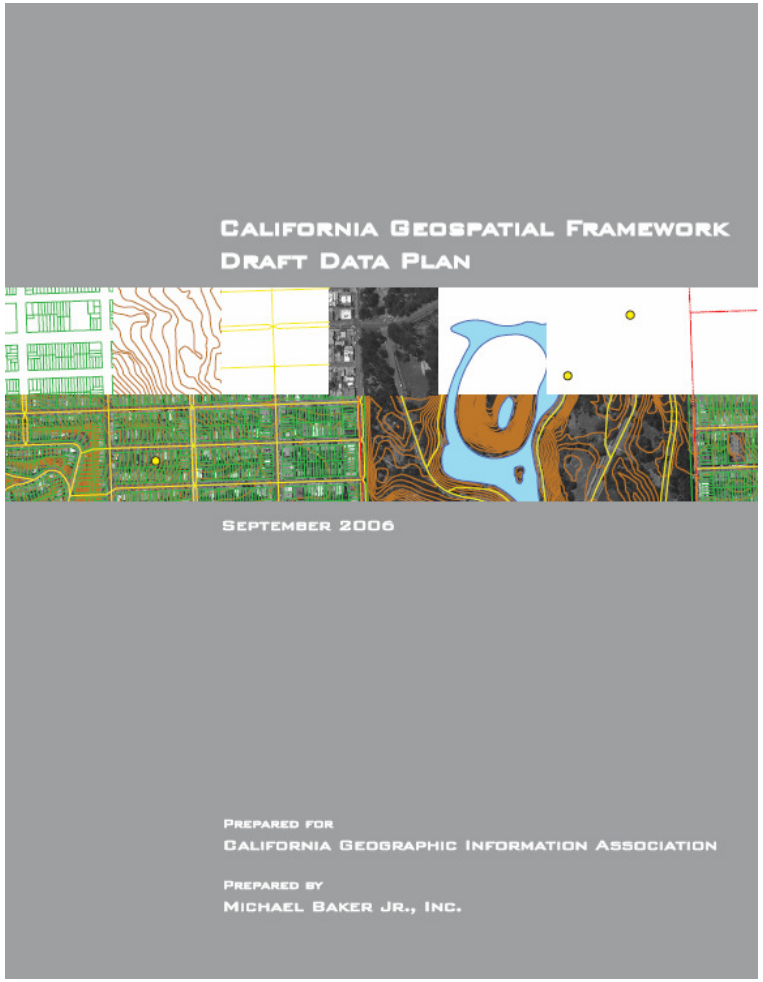
California GIS Council (CGC)

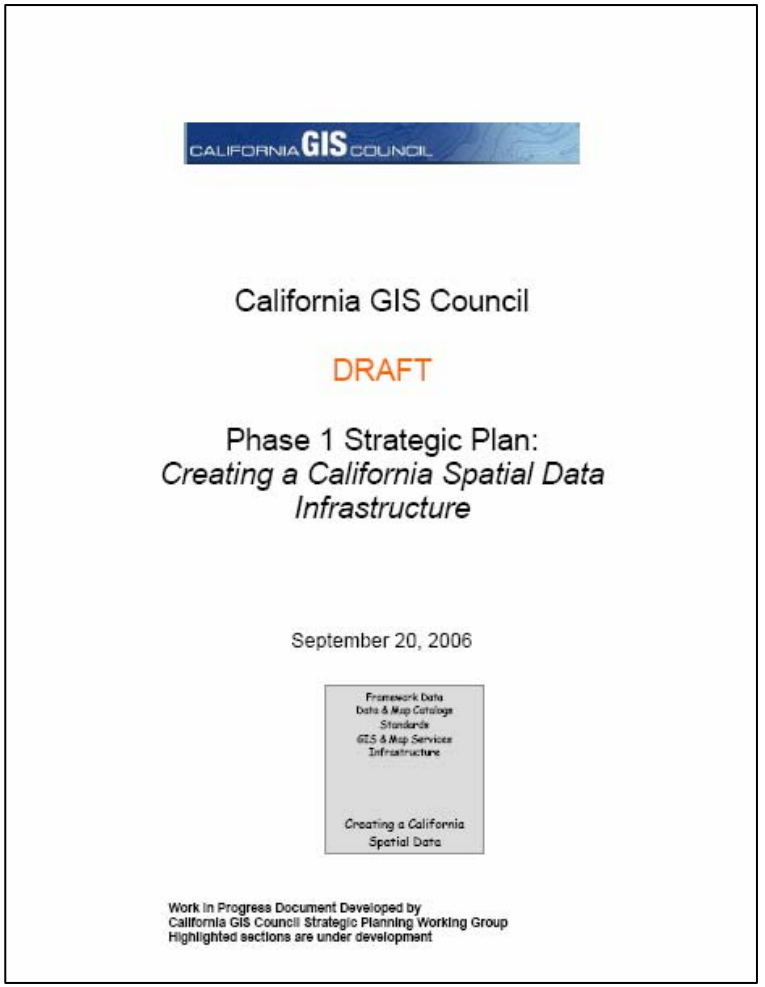
US Geological Survey (USGS)

California Geographic Information Association (CGIA)

Project Contractor

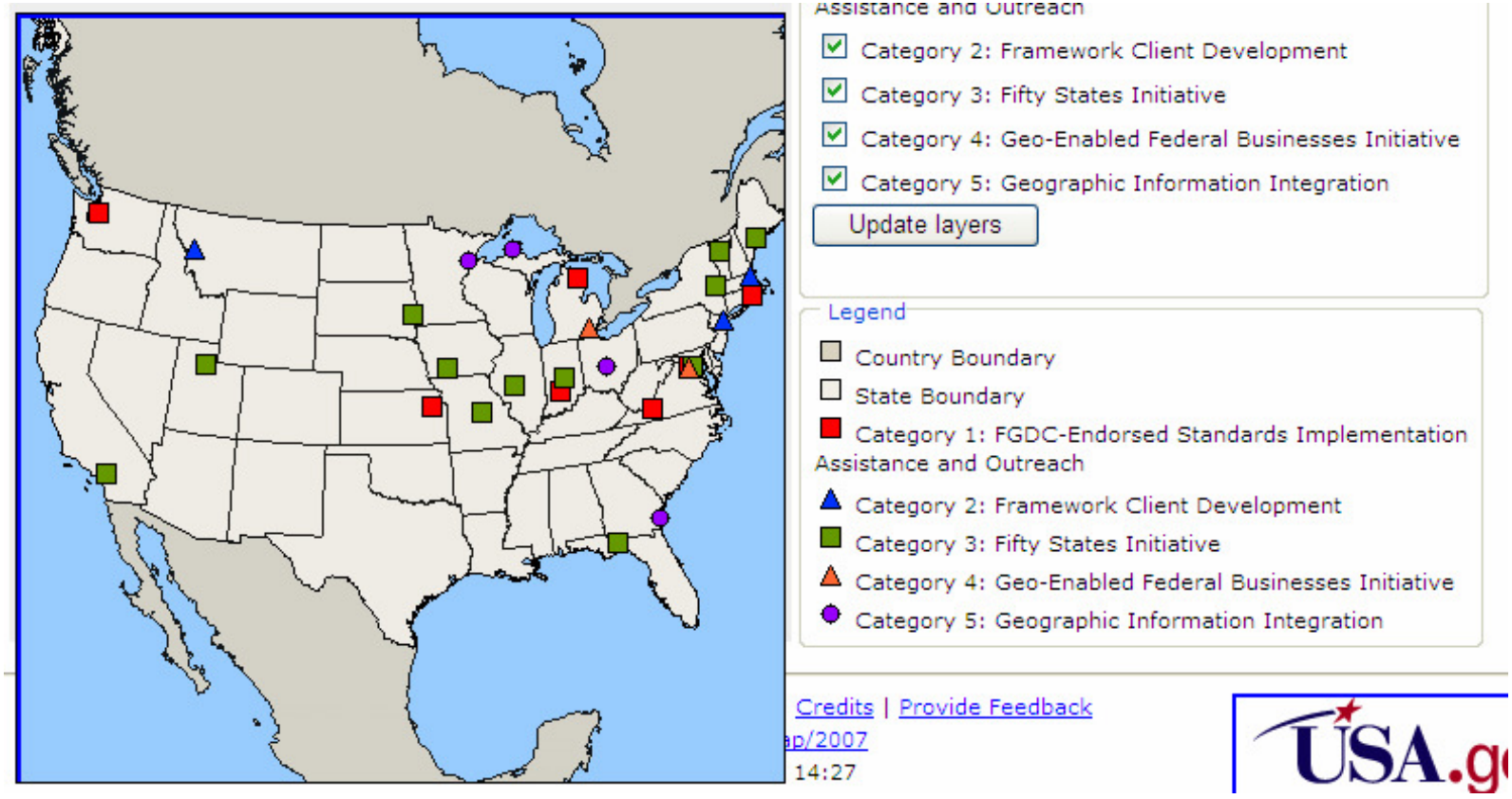
Michael Baker Jr., Inc.





Project Funding

- National Spatial Data Infrastructure (NSDI) Cooperative Agreements Program (CAP)
- CAP grants provide seed funds to assist in implementing the components of the NSDI



CA GIS Council

- Representatives from local, tribal, state and federal government agencies and the private sector…
- Formed to collaborate on the planning, implementation and maintenance of a California GIS infrastructure

- Infrastructure in a holistic sense to encompass systems, organizational programs, policy, standards, procedures, and any other factors that…
- Affect the ability of member organizations to jointly develop or acquire, share and maintain spatial data adequate to their needs.

CA Geographic Information Association

Providing a *"unified"* statewide voice for promoting the intelligent use of GIS in California:

- Advocacy for California's geospatial community in policy and legislative matters concerning GIS and California Spatial Data Infrastructure
- Facilitate grants that enhance California geospatial initiatives
- Facilitate the development of education sessions that supports resolving important, relevant public policy issues
- Partnering with organizations in support of CGIA's mission

Here is what the
Workshop is going to look like…

Workshop Agenda

- National Background
  - FGDC & NSDI
  - Fifty States Initiative
- California Background
  - Legacy Strategic Planning Initiatives
  - Web-based Data Needs Survey
  - GIS Strategic Plan Phase 1
  - CA Geospatial Framework Draft Data Plan
- Phase 2 Regional Participation
  - Pre-Workshop Survey
  - Regional Workshops
  - Web Forum Feedback
  - Published Phase 2 Strategic Plan

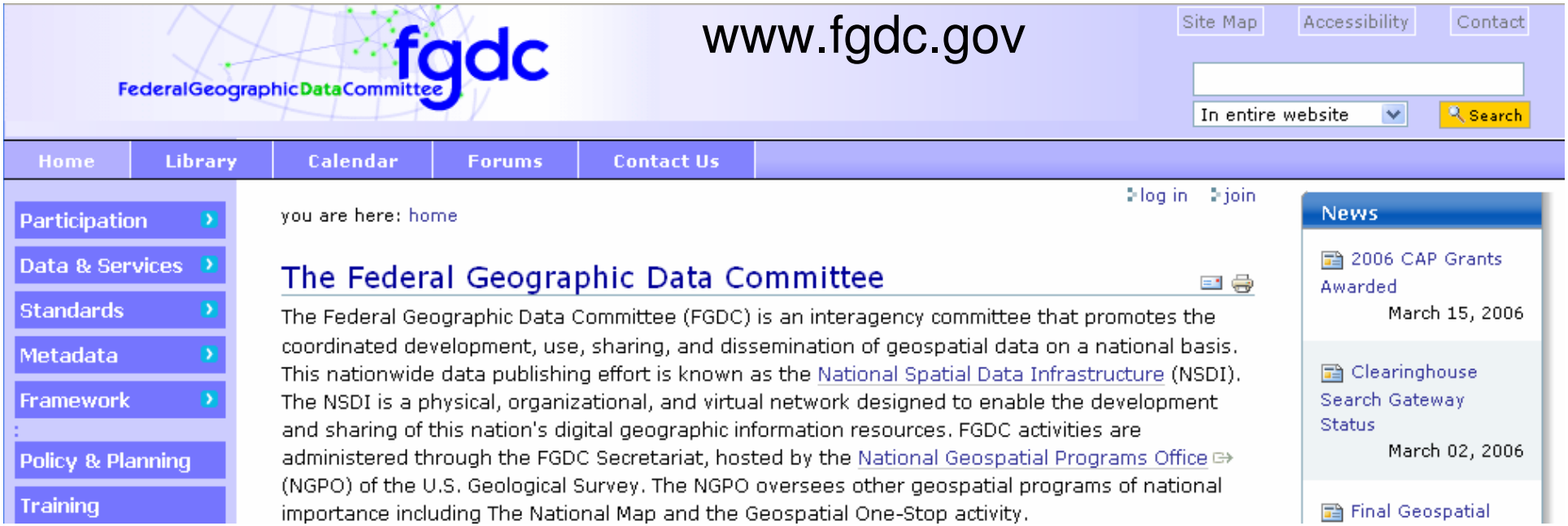
A backgrounder to get Workshop attendees to the same place…

National Background

- Federal Geographic Data Committee
- National Spatial Data Infrastructure (NSDI)
- Geospatial One-Stop (GOS II)
- NDEP & NDOP
- Imagery for the Nation
- Fifty States Initiative

Federal Geographic Data Committee (FGDC)

An interagency committee that promotes the coordinated development, use, sharing, and dissemination of geospatial data on a national basis.



National Spatial Data Infrastructure (NSDI)

- The technology, policies, criteria, standards and people necessary to promote geospatial data sharing throughout all levels of government, the private and non-profit sectors, and academia.

The National Spatial Data Infrastructure February 2005

WHY DO WE NEED GEOSPATIAL DATA?

Government agencies and other organizations are frequently asked for quick responses to natural disasters, industrial accidents, environmental crises, and homeland security alerts. Much of the information needed to make sound decisions in such cases is based on geography. There is constant pressure to make wise decisions in a more cost effective and efficient manner. Accurate and current geospatial data are critical to these decisions.

HOW ARE GEOSPATIAL DATA MANAGED?

Geographic information systems (GIS) that facilitate spatial analysis play an increasing role in decision making at all levels of government and in private industry. GIS analyses, in turn, depend on the availability, quality, and compatibility of digital geographic data. Development of these data is normally the highest cost factor in the use of technology to address today's problems. Billions of dollars are invested annually in producing geospatial data. Many of these data collection activities are redundant—data already exist but they are hard to find, frequently undocumented, and in incompatible formats.

HOW CAN WE BENEFIT FROM WORKING TOGETHER?

Consistent, reliable means to share geospatial data among all users could result in significant savings for data collection, enhanced use of data, and better decision-making. In April 1994 President Clinton signed Executive Order 12906, calling for the establishment of the National Spatial Data Infrastructure (NSDI). The NSDI is seen as the technology, policies, and people necessary to promote geospatial data sharing throughout all levels of government, the private and non-profit sectors, and academia. In August 2002, the President's Office of Management and Budget issued revised Circular A-16, reaffirming the government's commitment to building the NSDI. The dictionary definition of the word infrastructure describes the major concepts around which the NSDI is designed.

in•fra•struc•ture *n.* **1. An underlying base or supporting structure. 2. The basic facilities, equipment, services, and installations needed for the growth and functioning of a country, community, or organization. 3. A governmental or administrative apparatus.**

FEDERAL GEOGRAPHIC DATA COMMITTEE
U.S. GEOLOGICAL SURVEY, 590 NATIONAL CENTER
RESTON, VIRGINIA 20192
EMAIL: FGDC@FGDC.GOV
FAX: 703-648-5755
HTTP://WWW.FGDC.GOV

Background

What is the Geospatial Framework?

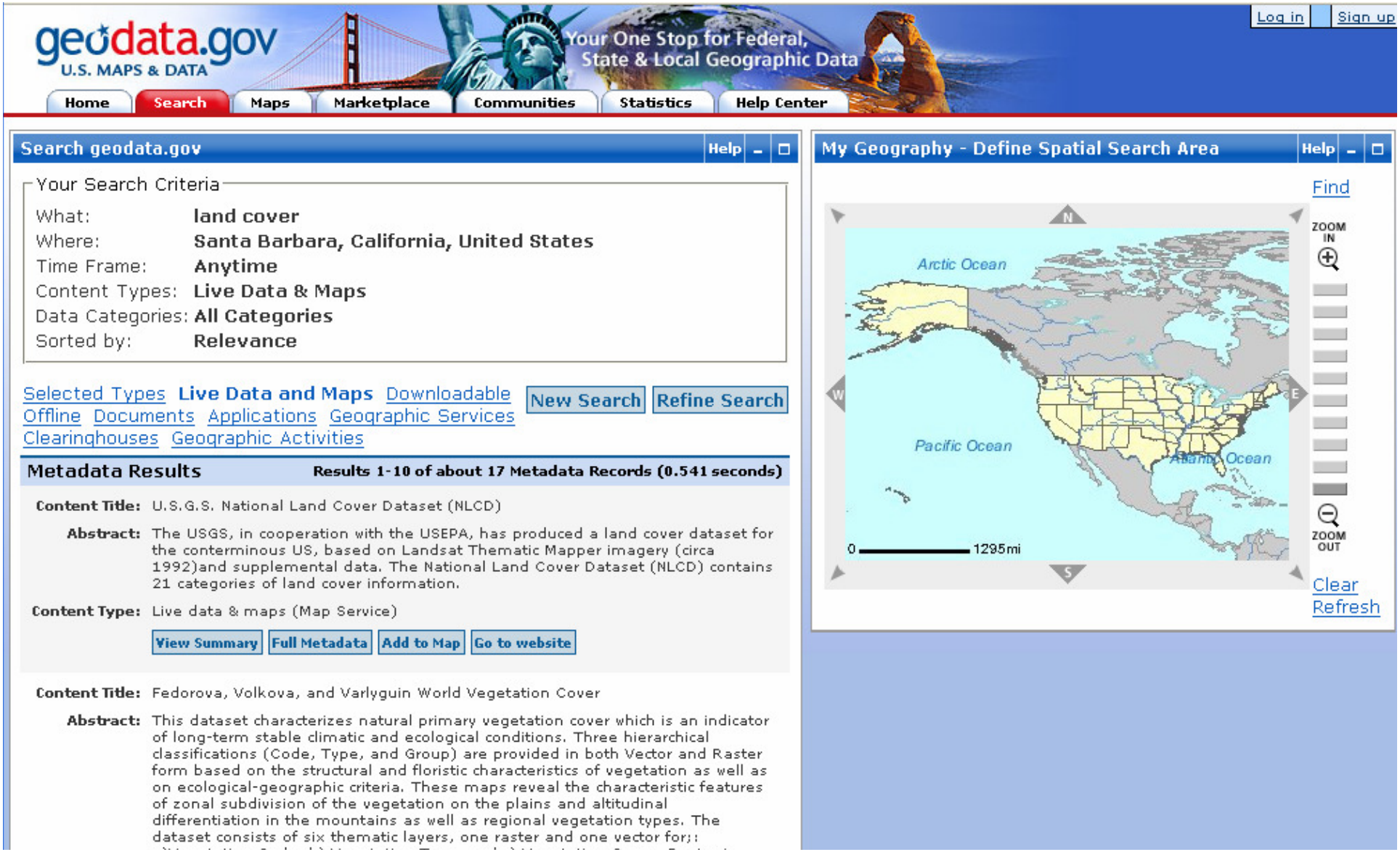
- An initiative to develop a readily available set of basic geographic data for the State of California

http://www.whitehouse.gov/omb/circulars/a016/a016_rev.html

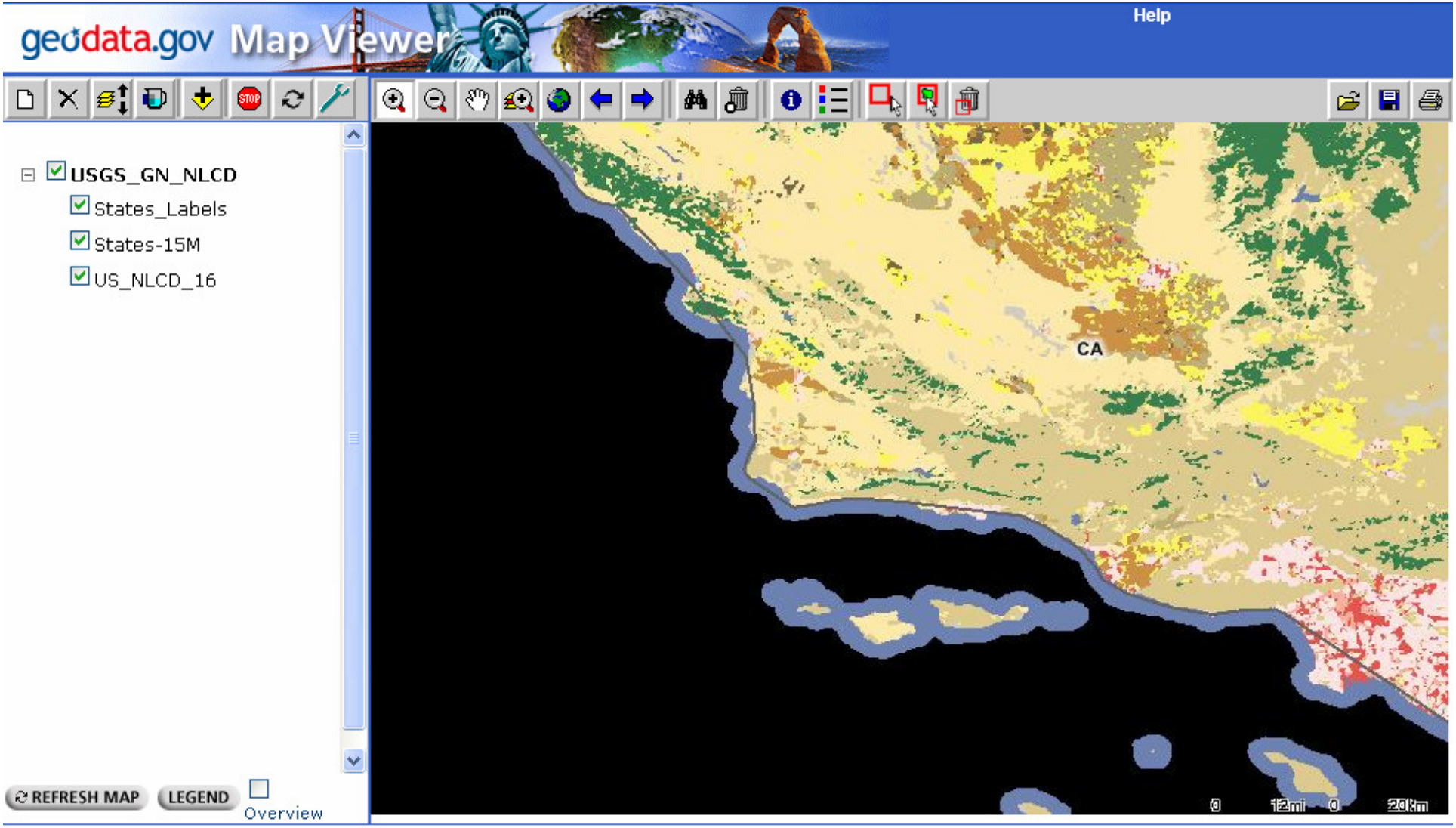
Geospatial One-Stop (GOS II)

- Primary Use
  - Discovery and access to geospatial resources (data, applications, web sites)
- Primary Goal
  - Reduce redundant investments and facilitate cost sharing

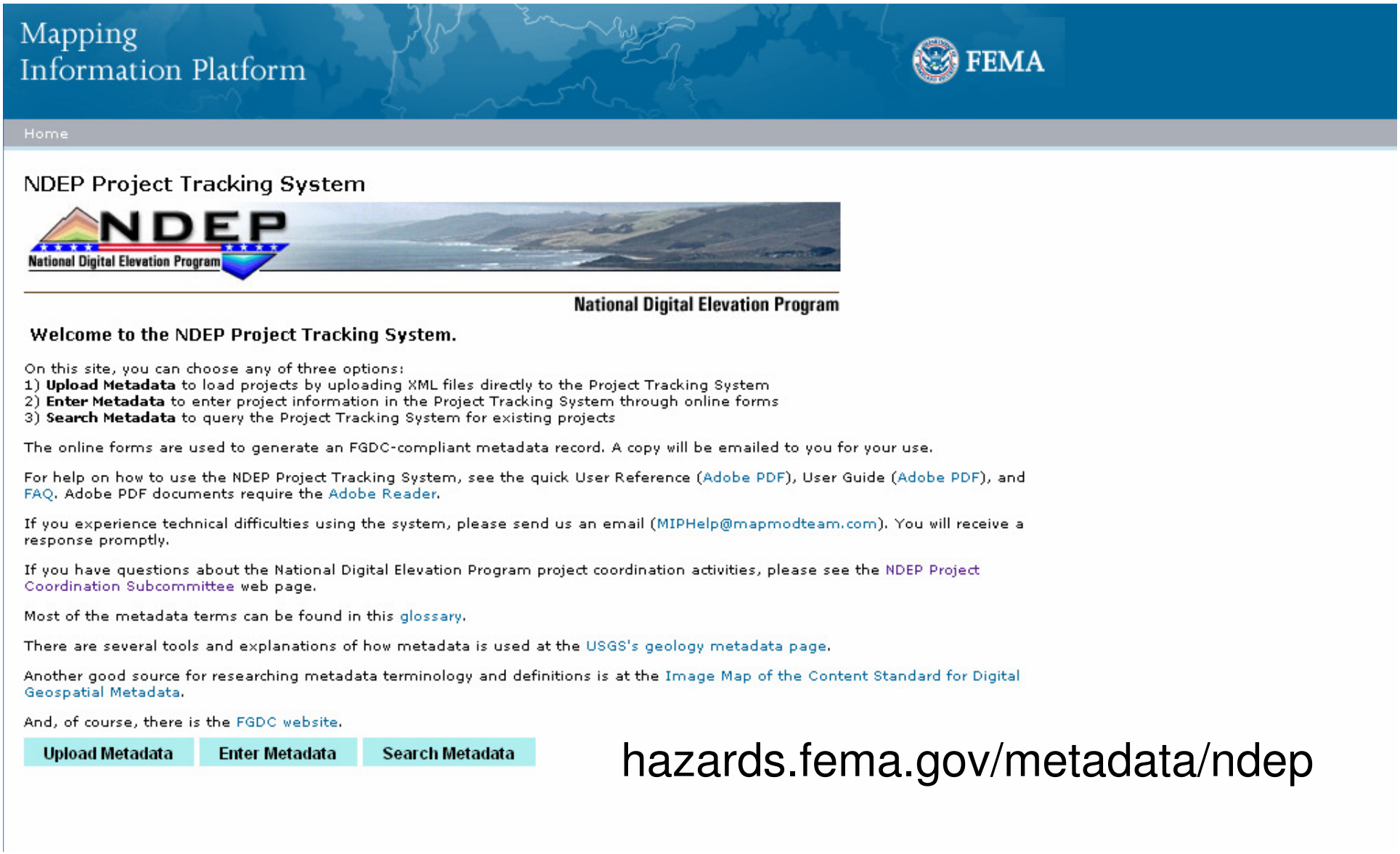
Geospatial One-Stop (GOS II)



Geospatial One-Stop (GOS II)

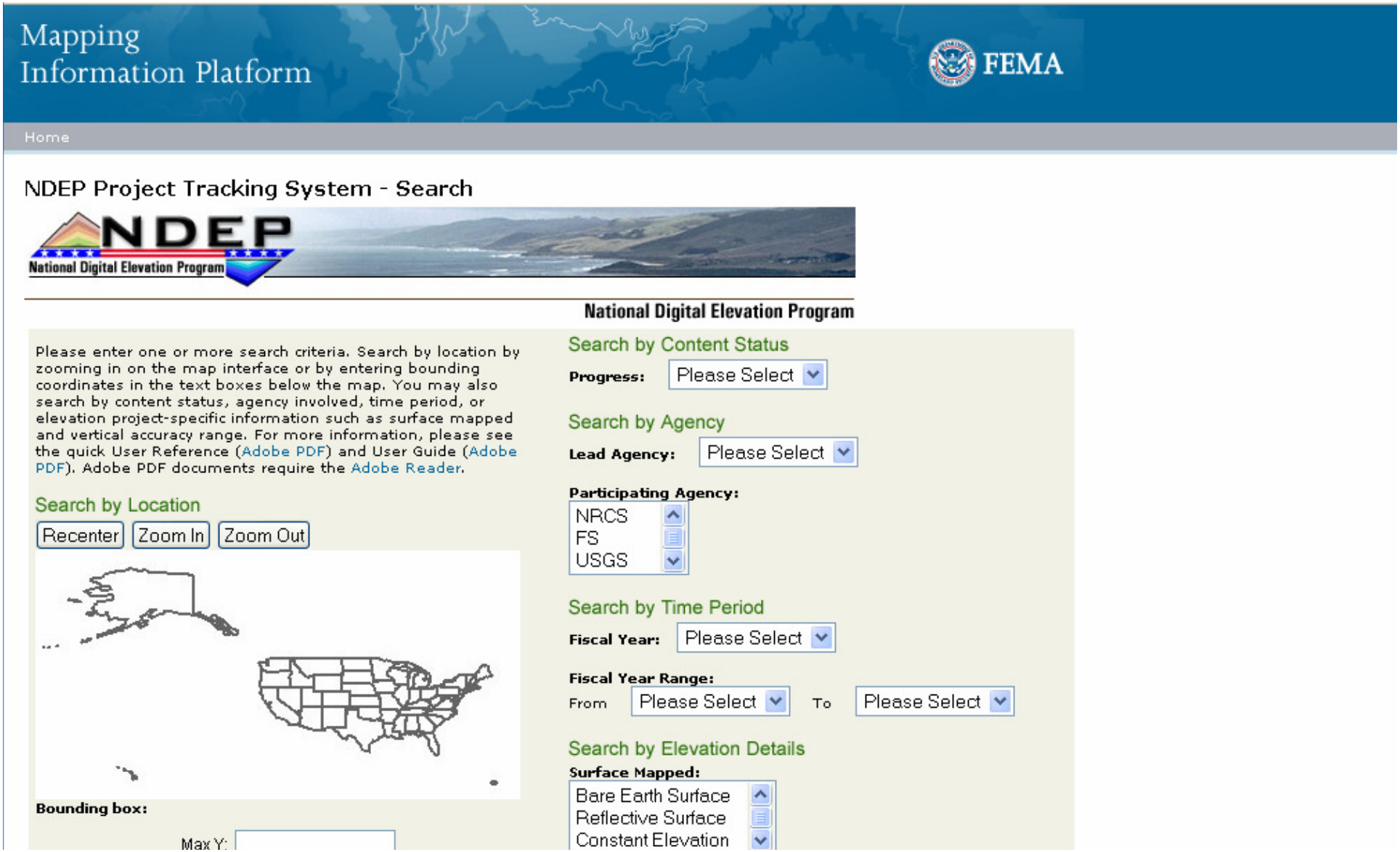


National Digital Elevation Program (NDEP)

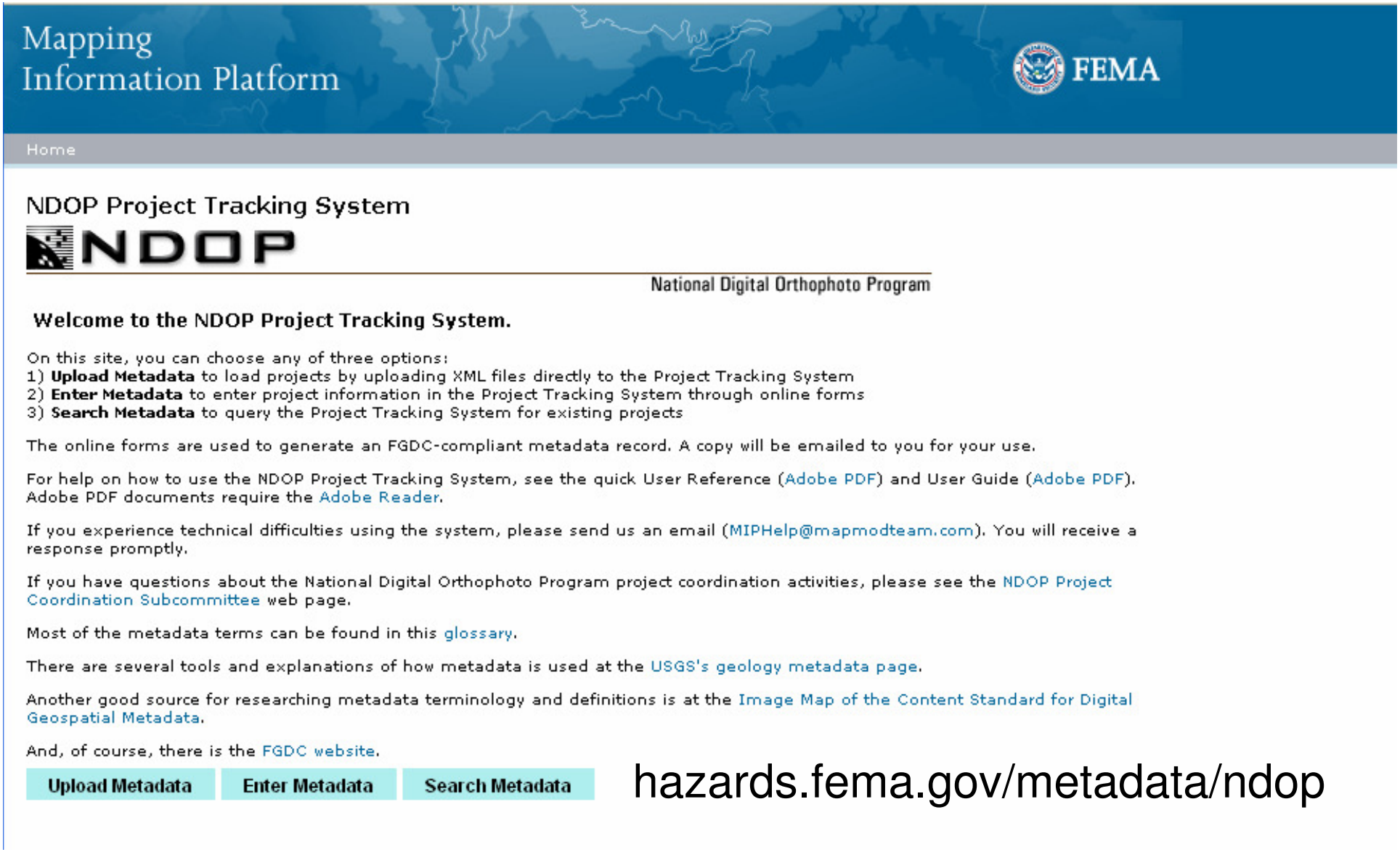


hazards.fema.gov/metadata/ndep

National Digital Elevation Program (NDEP)



National Digital Orthophoto Program (NDOP)



hazards.fema.gov/metadata/ndop

Imagery for the Nation

- NSGIC initiative
- Federally funded imagery for entire U.S.
- 1-meter imagery, 1-foot, and 6-inch
- Buy up options from 1-meter
- Avoid redundant data sets

Imagery for the Nation

www.NSGIC.org

NATIONAL STATES GEOGRAPHIC INFORMATION COUNCIL

DIGITAL AERIAL Imagery for the Nation

NSGIC's Vision

The nation will have a sustainable and flexible digital aerial imagery program that meets the needs of local, state, regional, tribal, federal and private partners.

Federal funding should support nationwide production of standardized multi-resolution products every three years. Local, state, regional, tribal, and private partners could pay to enhance those products in specific areas based on their needs. Aerial imagery should remain in the public domain and be archived to secure its availability for future scientific, legal, and historical purposes.

In spite of the need for these products and their proven value for scores of applications, our nation currently has no strategy or program to sufficiently fund, collect, manage, archive or distribute aerial imagery.

Aerial imagery, in the form of **digital orthophotos**, is the foundation for most public and private GIS (Geographic Information Systems) operations, yet it is being developed by hundreds of different entities across this country in an uncoordinated fashion. There are holes in the coverage, and we are plagued by duplication of effort; higher costs; varying quality, accuracy and currency; and restrictions on its access and use.

As a nation, we must effectively coordinate the imagery requirements for the National Spatial Data Infrastructure (NSDI). This will assure that our investment in all aerial imagery is wise and efficient.

Proposal Details

- Each statewide coordination council will specify its digital orthorectified imagery requirements in its business plan (resolution, frequency and image type).
- Ground pixel resolutions will include 6-inch, 1-foot, and 1-meter.
- Image types will include black & white, natural color, and false color infrared.
- Nationally, a 3-year acquisition cycle is required.
- The Federal government will fund 100% of the production costs for the following products:
  - 1-meter resolution in counties with population densities less than 25 people per square mile
  - 1-foot resolution in counties with population densities greater than 25 people per square mile
  - 6-inch resolution for defined urban areas
- Image acquisition will be accomplished during "leaf-off" conditions unless otherwise agreed to by statewide coordination councils and federal program managers.
- Appropriate national standards will be applied to all products.
- Participants can "buy-up" to acquire imagery at higher resolutions or faster intervals.
- States with statewide coordination councils will have the first option for management of their programs. Otherwise, program management will be performed by the federal government.
- Contract incentives will be used to assure timely delivery.
- All imagery will remain freely available on the Internet.
- A consistent national approach will be used to address security concerns over identified facilities and sites.
- The federal government will provide expert technical support, permanent archives, and product distribution.

Cost of the Proposal

NSGIC estimates the cost of this program at approximately $255 million per three-year cycle or $85 million per year. Nationally, this program will save over $60 million per 3-year cycle by taking advantage of the cost efficiencies realized when contracting for very large areas and even more by eliminating duplicate programs.

Cost variations will occur due to the difficulty and risk associated with imagery acquisition such as climatic conditions, terrain variations, and air traffic control restrictions over urban and other areas. Therefore, an additional $10 million per year is included in the above cost estimates to pay for these contingencies and to help fund the imagery requirements for national emergencies such as September 11, 2001 and Hurricane Katrina.

What Can You Do?

Organizations interested in the availability and use of up-to-date and accurate aerial imagery can help NSGIC make this program a reality by:

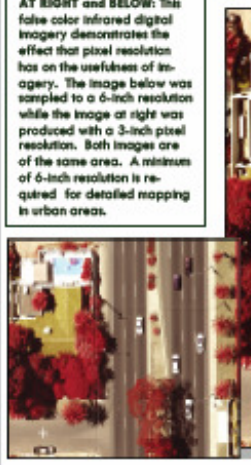
- Endorsing the concept and offering advice to strengthen the proposal, and
- Joining efforts with NSGIC to present the merits of this proposal to the federal government and Congress.

Examples of DIGITAL AERIAL Imagery and its Uses

AT RIGHT: This 1-foot resolution image was taken shortly after an F4 Tornado struck Charles County in Southern Maryland. It was used to document damage and help emergency managers during recovery operations. During this event, the water tower (top left) was removed prior to the arrival of the insurance adjuster. The adjuster was hesitant to settle the claim until presented with this image (shown at reduced resolution), that clearly showed the type of construction and damage sustained by the water tower.

AT LEFT: This is a 1-meter resolution false color infrared image of the type that is often used to identify natural features (e.g. forests & wetlands).

AT RIGHT and BELOW: This false color infrared digital imagery demonstrates the effect that pixel resolution has on the usefulness of imagery. The image below was sampled to a 6-inch resolution while the image at right was produced with a 3-inch pixel resolution. Both images are of the same area. A minimum of 6-inch resolution is required for detailed mapping in urban areas.



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Bel Air, Maryland 21015
443-640-1075 x110
443-640-1031 FAX
Fred@ngsgroup.org
http://www.nsgic.org

NSGIC

ABOUT NSGIC — The National States Geographic Information Council (NSGIC) is an organization of States committed to efficient and effective government through the prudent adoption of geospatial information technologies. Members of NSGIC include delegations of state GIS coordinators and senior state GIS managers from across the United States. Other members include representatives from Federal agencies, local government, the private sector, academia and other professional organizations. A rich and diverse group, the NSGIC membership includes nationally and internationally recognized experts in GIS, geospatial data production and management, and information technology policy.

September 12, 2005 - Version 8.0

Fifty States Initiative

- The Fifty States Initiative is a partnership between the National States Geographic Information Council (NSGIC) and the Federal Geographic Data Committee (FGDC). It is designed to bring all public and private stakeholders together in statewide GIS coordination bodies that help to form effective partnerships and lasting relationships.
- There is a critical need to coordinate GIS activities on a statewide basis to eliminate waste and improve efficiency in government. Agencies at all levels of government need to coordinate with other stakeholders to keep from duplicating geographic data and systems at taxpayers' expense. … The "right" solutions will vary state-by-state and they are created through the development of effective strategic and business plans.

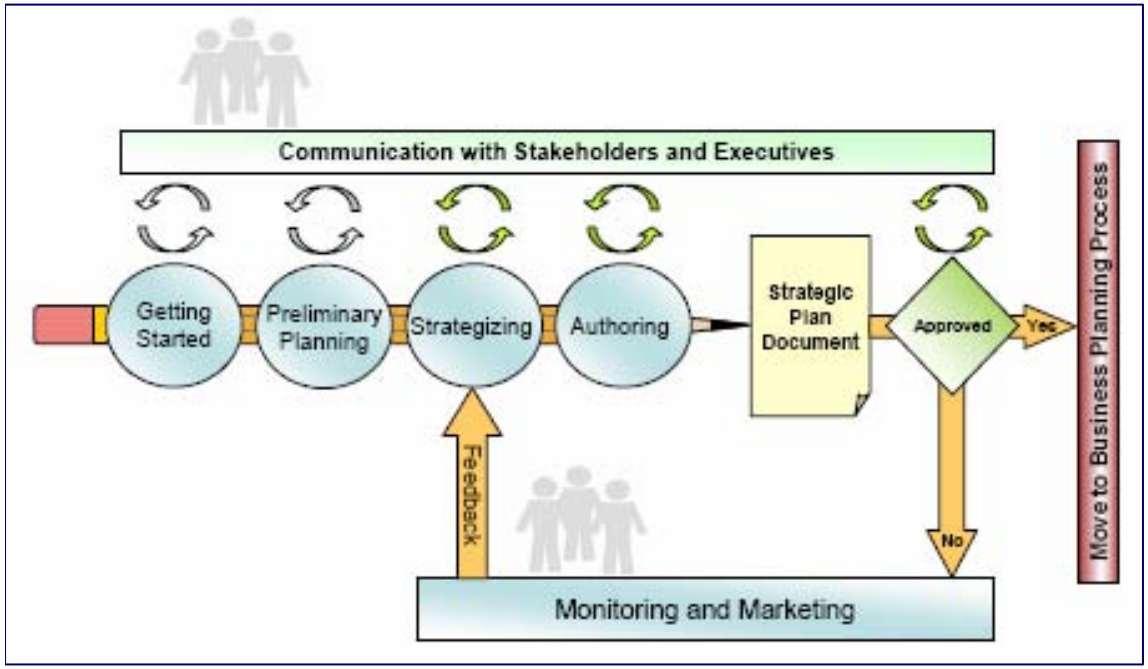
Coordination Criteria

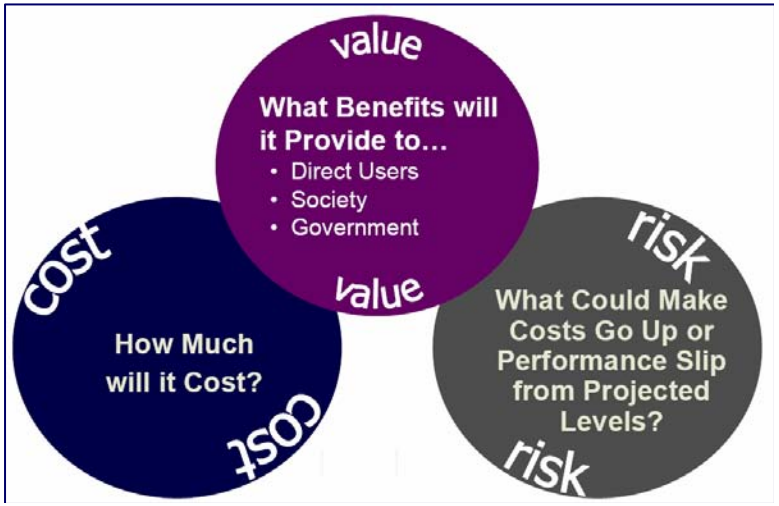
NSGIC believes that the following Coordination Criteria are essential to fully enable statewide geospatial coordination activities:

1. Strategic and business plans
2. A full-time paid GIS coordinator and staff
3. Clearly defined authority and responsibility for coordination
4. A relationship with the chief information officer
5. A political or executive champion is involved in coordination
6. A tie into national programs
7. An inter-governmental working environment free of "turf wars"
8. Sustainable funding mechanisms
9. Contracting authority and cost sharing mechanisms
10. Statewide coordination efforts that can be a conduit for federal initiatives

Strategic Plan & Business Case

A new program emphasizing strategic and business planning with specifically targeted implementation grants





Federal Enterprise Architecture

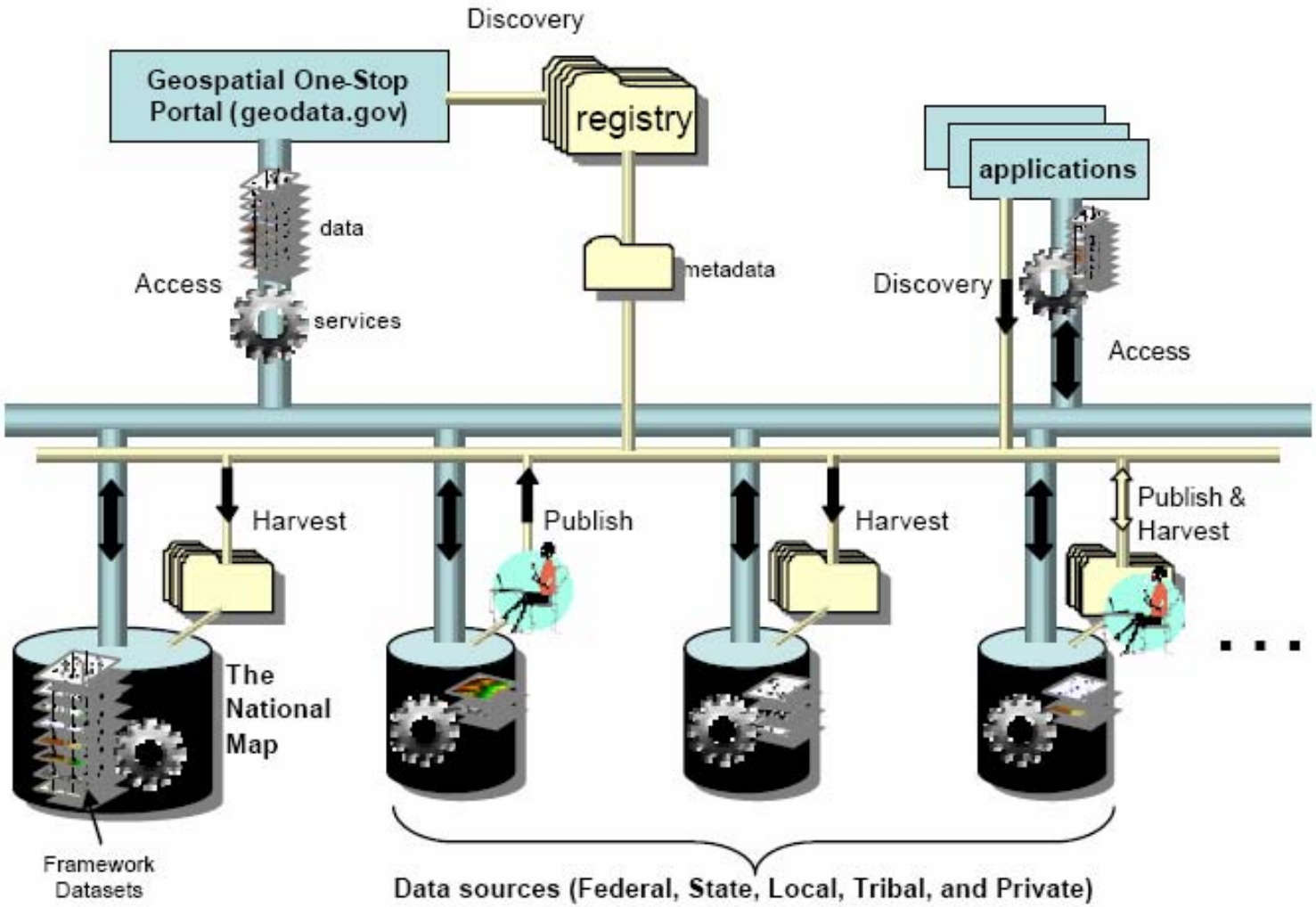
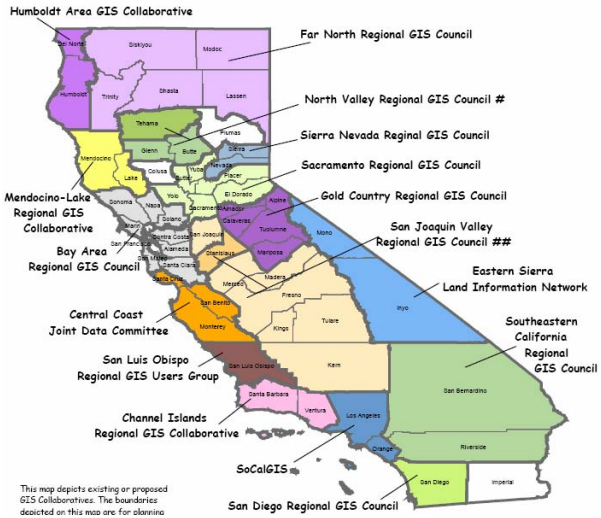


Figure 2: Key technology components of the National Spatial Data Infrastructure

California Backgrounder

California Background

- Legacy Strategic Planning Initiatives
- California Environmental Resource Evaluation System (CERES)
  - California Spatial Information Library (CaSIL)
  - California Environmental Information Catalog (CEIC)
- Web-based Data Needs Survey
- GIS Strategic Plan Phase 1 : CA-SDI
- CA Geospatial Framework Draft D
- GIS Strategic Plan Phase 2: Regional Collaboratives



2006 Survey

gis.ca.gov/council/survey.epl

2006 Survey

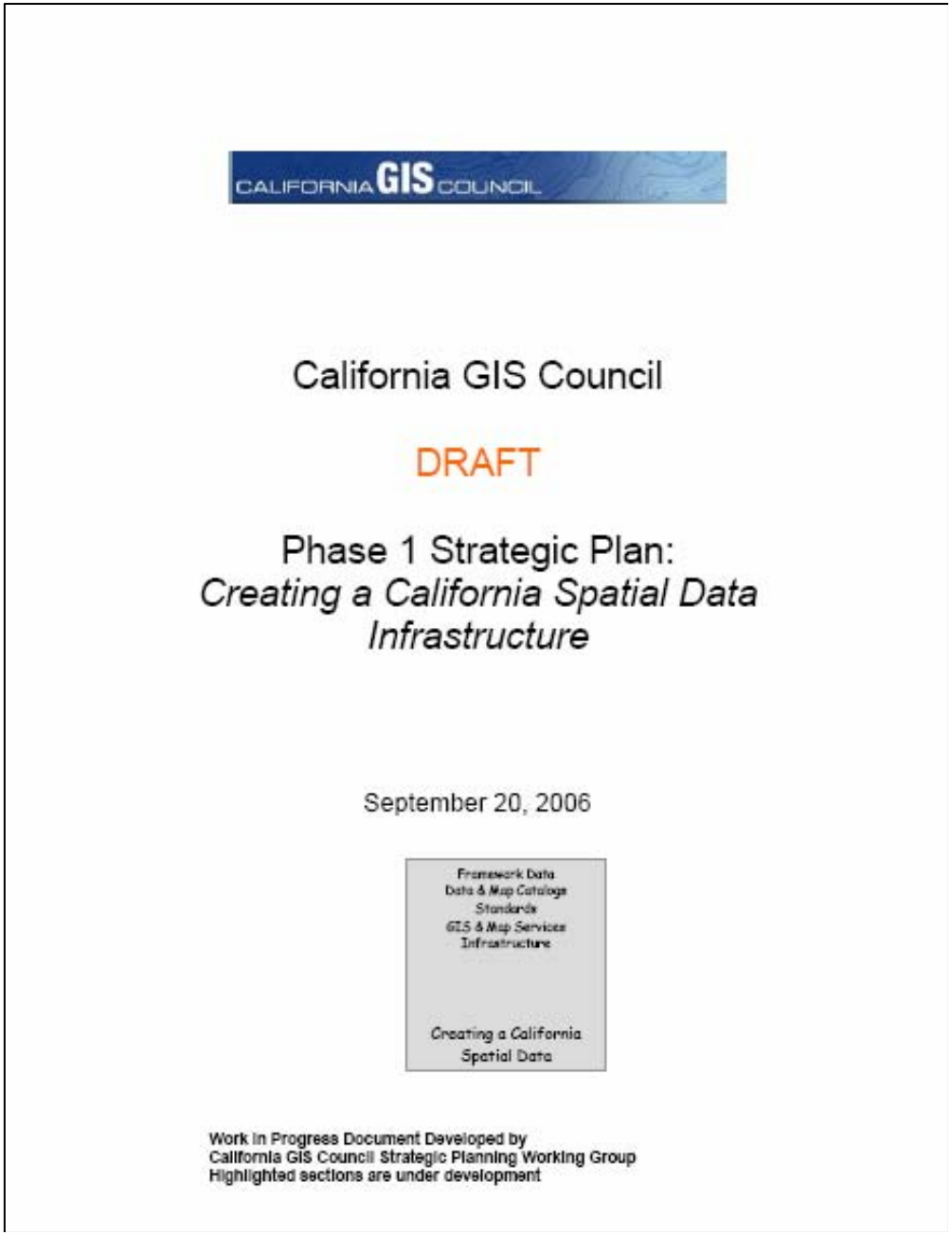
	Please rate the importance of the following geospatial data to your work.				*Are your needs for these data being adequately met?*	
Framework or Base Geospatial Data	**Essential**	**Important**	**Useful**	**Not Important**	**Yes**	**No**
Orthoimagery						
What sensor type do you need?						
Optical/true color	☐	☐	☐	☐	☐	☐
Optical/near, mid or far infrared	☐	☐	☐	☐	☐	☐
Hyperspectral for vegetation	☐	☐	☐	☐	☐	☐
Hyperspectral for geology	☐	☐	☐	☐	☐	☐
Microwave/radar	☐	☐	☐	☐	☐	☐
What resolution do you need?						
Low (greater than 5 m)	☐	☐	☐	☐	☐	☐
Medium (5 to 2 m)	☐	☐	☐	☐	☐	☐
High (1.9 to 0.1 m)	☐	☐	☐	☐	☐	☐
Very High (less than 0.1 m)	☐	☐	☐	☐	☐	☐
How current does the imagery need to be?						
Hours (emergency response)	☐	☐	☐	☐	☐	☐
Days	☐	☐	☐	☐	☐	☐
Weeks	☐	☐	☐	☐	☐	☐
Months	☐	☐	☐	☐	☐	☐
Year or more	☐	☐	☐	☐	☐	☐

California Environmental Resource Evaluation System (CERES)

- CA Spatial Information Library (CaSIL)
  - Physical and cultural geospatial data
  - Distributed to the public via CERES servers

gis.ca.gov

CA GIS Strategic Plan Phase 1: CA-SDI



CALIFORNIA GIS COUNCIL

California GIS Council

DRAFT

Phase 1 Strategic Plan:
Creating a California Spatial Data Infrastructure

September 20, 2006

Framework Data
Data & Map Catalogs
Standards
GIS & Map Services
Infrastructure

Creating a California Spatial Data

Work in Progress Document Developed by
California GIS Council Strategic Planning Working Group
Highlighted sections are under development

Participants & Next Steps

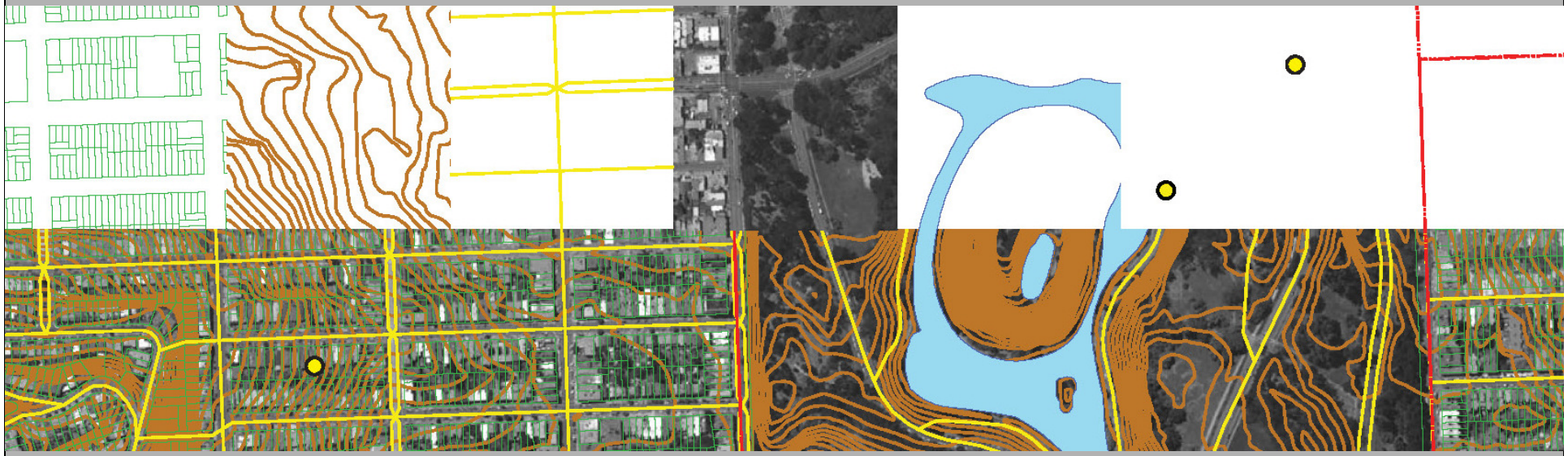
Team Title:	Strategic Planning Subcommittee
Objective(s):	Develop draft strategic plan based on NSGIC strategic planning template and previous work by the Council. Determine strategies to implement a statewide spatial data infrastructure that will improve (1) accessibility and integration of geospatial information (2) interoperability of the private sector, academia and local, state, and Federal government in California to share GIS resources and (3) business functions of these sectors.
Project Background:	The California GIS Council has identified the 50 States Initiative developed by NSGIC as the framework for GIS strategic planning in the State.
Team Members:	Malcolm Adkins – Michael Baker Corp Karen Beardsley — UC Davis Mike Behen – City of Palmdale Michael Byrne – Office of Statewide Health Planning & Development Scott Christman - Office of Statewide Health Planning & Development Mary Cook-Hurley – Air Photo, USA John Ellison – Resources Agency Brian Fulfrost – UC Santa Cruz Jayne Handley – US Forest Service Oscar Jarquin – Caltrans Bruce Joffe – GIS Consultants Huasha Lui/Liz Wojdak – Southern California Association of Governments Anne Millington – Dept of Health Services Claudina Nevis – Governor's Office Carol Ostergren – US Geological Survey Nadeem Shaukat – San Francisco Water Paul Veisze – Office of Emergency Services Dennis Wuthrich – Farallon Geographics Robert Yoha – Dept of Conservation Linette Scott – Department of Health Services
Team Sponsor Commitment:	To provide guidance, support and clarification if needed. CGC Executive Committee
Level of Authority:	The team is empowered develop strategies and document them in a draft strategic plan for operations of the California GIS Council. The draft plan will be commented on by Council. The Council must take action on the results of the Committee.

CALIFORNIA GIS COUNCIL *Strategic Planning Workgroup*

Strategic Goal: Data availability to serve California

Table of Contents

California Geospatial Framework
Draft Data Plan

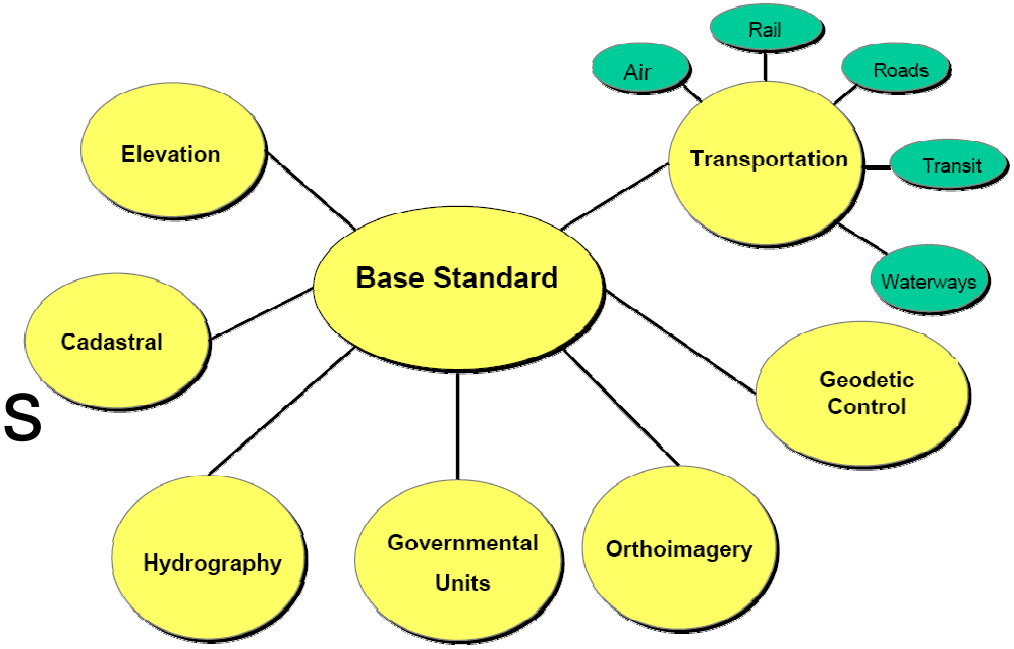


Summary Presentation
CalGIS 2007

George White : CGIA Chair
Malcolm Adkins : Michael Baker Jr., Inc

Core Framework Data Themes

- Elevation
- Cadastral
- Hydrography
- Governmental Units
- Orthoimagery
- Geodetic Control
- Transportation

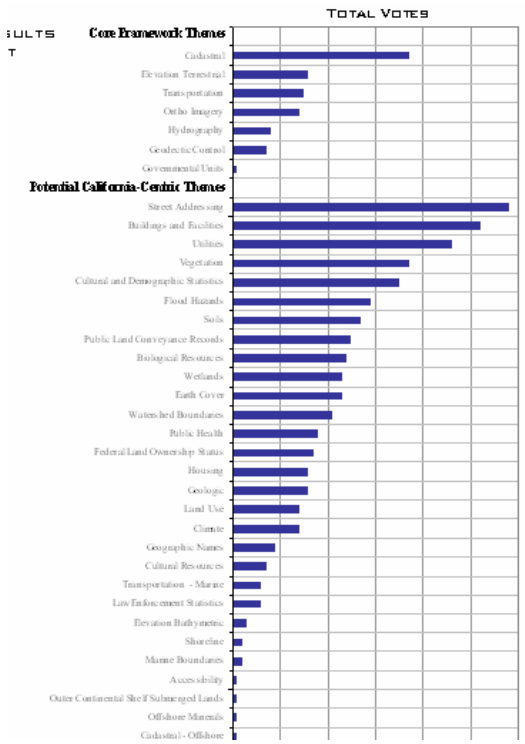


Source: FGDC

Supplemental NSDI Data Themes

- Baseline (Maritime)
- Biological Resources
- Buildings and Facilities
- Cadastral (Offshore)
- Climate
- Cultural and Demographic Statistics
- Cultural Resources
- Earth Cover
- Elevation Bathymetric
- Federal Land Ownership Status
- Flood Hazards
- Geographic Names
- Geologic
- Housing
- International Boundaries
- Law Enforcement Statistics
- Marine Boundaries
- Offshore Minerals
- Outer Continental Shelf Submerged Lands
- Public Health
- Public Land Conveyance (patent) Records
- Shoreline
- Soils
- Transportation (Marine)
- Vegetation
- Watershed Boundaries
- Wetlands

Workshop Filtered California-centric Themes*

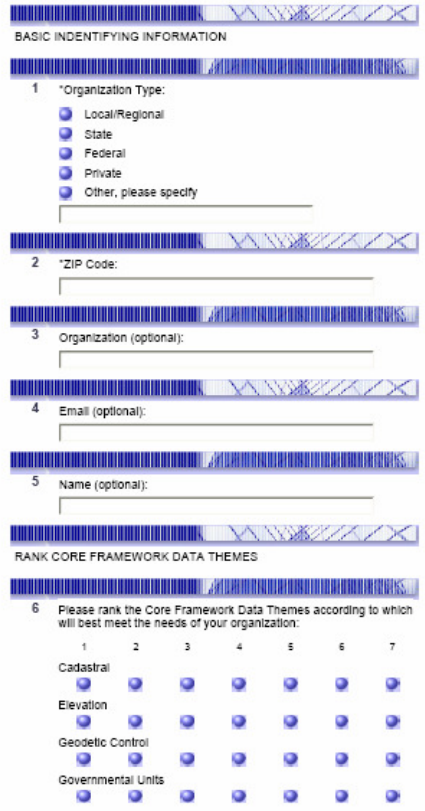


- Biological Resources
- Buildings and Facilities
- Cultural and Demographic Statistics
- Earth Cover
- Flood Hazards
- Public Land Conveyance Records
- Soils
- Street Addressing (New Theme for Emergency Response)
- Utilities (New Theme Added for Critical Infrastructure)
- Vegetation
- Wetlands

* 27 NSDI themes filtered to the California 11 (presented alphabetically)

Web-based Prioritization Survey

- The core 7 and 11 California-centric themes selected through the workshop process are then prioritized by an on-line survey


BASIC INDENTIFYING INFORMATION

1 *Organization Type:

- Local/Regional
- State
- Federal
- Private
- Other, please specify

2 *ZIP Code:

3 Organization (optional):

4 Email (optional):

5 Name (optional):

RANK CORE FRAMEWORK DATA THEMES

6 Please rank the Core Framework Data Themes according to which will best meet the needs of your organization:

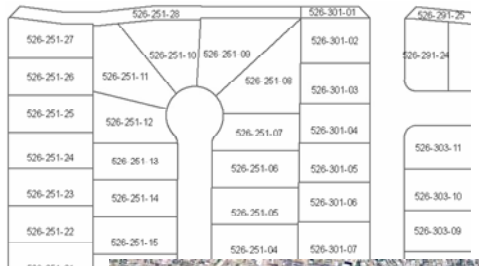
	1	2	3	4	5	6	7
Cadastral							
Elevation							
Geodetic Control							
Governmental Units							

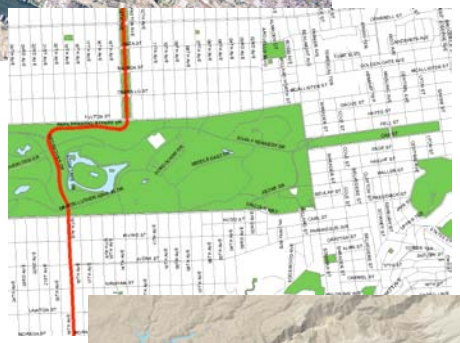

8 The following data themes received the most votes at the six workshops. Please rank them according to which will best meet the needs of your organization:

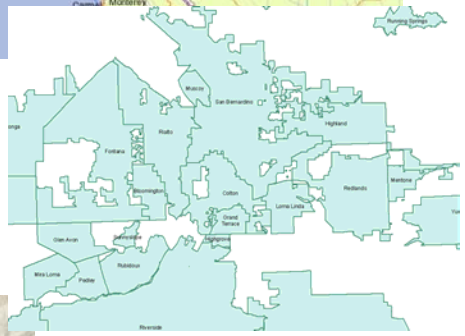
	1	2	3	4	5	6	7	8	9	10	11
Biological Resources											
Buildings and Facilities											
Cultural and Demographic Statistics											
Earth Cover											
Flood Hazards											
Public Land Conveyance Records											
Soils											
Street Addressing											
Utilities											
Vegetation											
Wetlands											

Prioritized Core Framework Data Themes

1. Cadastral
2. Ortho Imagery
3. Transportation
4. Elevation
5. Hydrography
6. Geodetic Control
7. Governmental Units

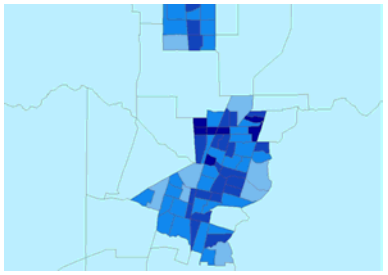


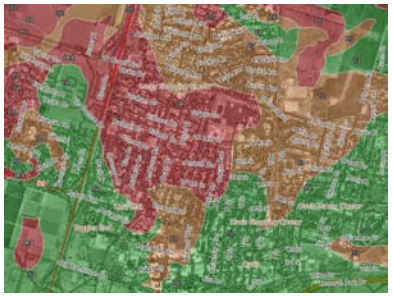




Prioritized California-Centric Framework Data Themes

1. Street Addressing (Added to cover Critical Infrastructure)
2. Utilities (Added to cover Critical Infrastructure)
3. Public Land Conveyance Records
4. Buildings and Facilities
5. Flood Hazards
6. Vegetation
7. Biological Resources
8. Cultural and Demographic Statistics
9. Soils
10. Wetlands
11. Earth Cover





Now to you for
Regional Participation…

Pre-Workshop Survey Questions: Regional Organizational Capacity

- Is your technology suited to meet your regional geospatial business needs?
- How would you rank the adequacy of your program funding?
- What funding mechanisms are in place to support regional GIS efforts?
- How many and what type of personnel do you have available?
- How often do you enjoy strong executive support for your GIS efforts and initiative?
- Do you have a formal process for project oversight?
- Does your agency have policies that need to be put in place, updated, or changed in order to better facilitate your work and the sharing of data?

Pre-Workshop Survey Questions: Core Seven & Supplemental 11 Spatial Data Infrastructure (SDI)

- Is there a consolidated regional GIS dataset available?
- Are there federal or organizational standards?
- What is the horizontal accuracy, currency, and data source?
- Do you have data sharing agreements?
- How frequently are you coordinating?
- Would you be willing to share these datasets? If not, why?
- Regionally, what are the top five datasets you would develop next?

Pre-Workshop Survey Questions: SDI Implementation

- Have you used the 50 States Initiative, Imagery for the Nation, California Spatial Information Library, or the California Environmental Information Catalog at the regional or local level?
- Do you view the establishment of a state government GIO as important?
- What roles and responsibilities do you envision for a state GIO?
- What placement is most appropriate for a GIO?

CAP Grant Language and Workshop Objectives

Consequently, local and regional support in creating a "situation analysis" is needed to provide the background for identifying current and future policy challenges associated with creating a comprehensive and integrated spatial data infrastructure. Some of the challenges may require legislative action to legitimize GIS programs and provide sustainable resources and funding.

Strategic Plan Outline

TOC Table of Contents

1 Executive Summary

2 Strategic Planning Methodology

3 Current Situation

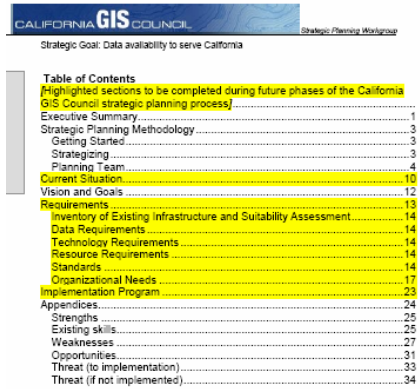
4 Vision and Goals

5 Requirements

6 Implementation Program

7 Appendices

- Strengths
- Existing skills
- Weaknesses
- Opportunities
- Threat (to implementation)
- Threat (if not implemented)



CALIFORNIA GIS COUNCIL Strategic Planning Workgroup

Strategic Goal: Data availability to serve California

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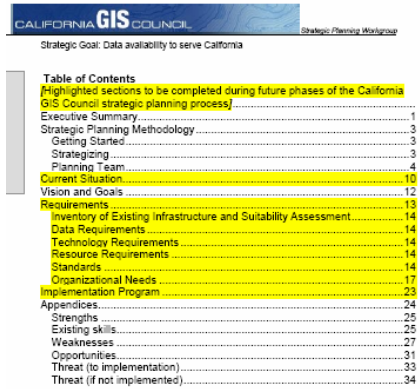
Current Situation Outline from Strategic Plan

3. Current Situation
   - 3.1 Who are we?
     - *Who is involved, who is a stakeholder?*
     - *Interests of Stakeholders*
     - *Organizational Structure and Relationship to stakeholders*
   - 3.2 Where are we now?
     - *Current Organizational Structure*
     - *Relationship between State and Local Governments*
     - *Current Data Content and Standards*
   - 3.3 Strengths and Weaknesses
   - 3.4 Opportunities and Threats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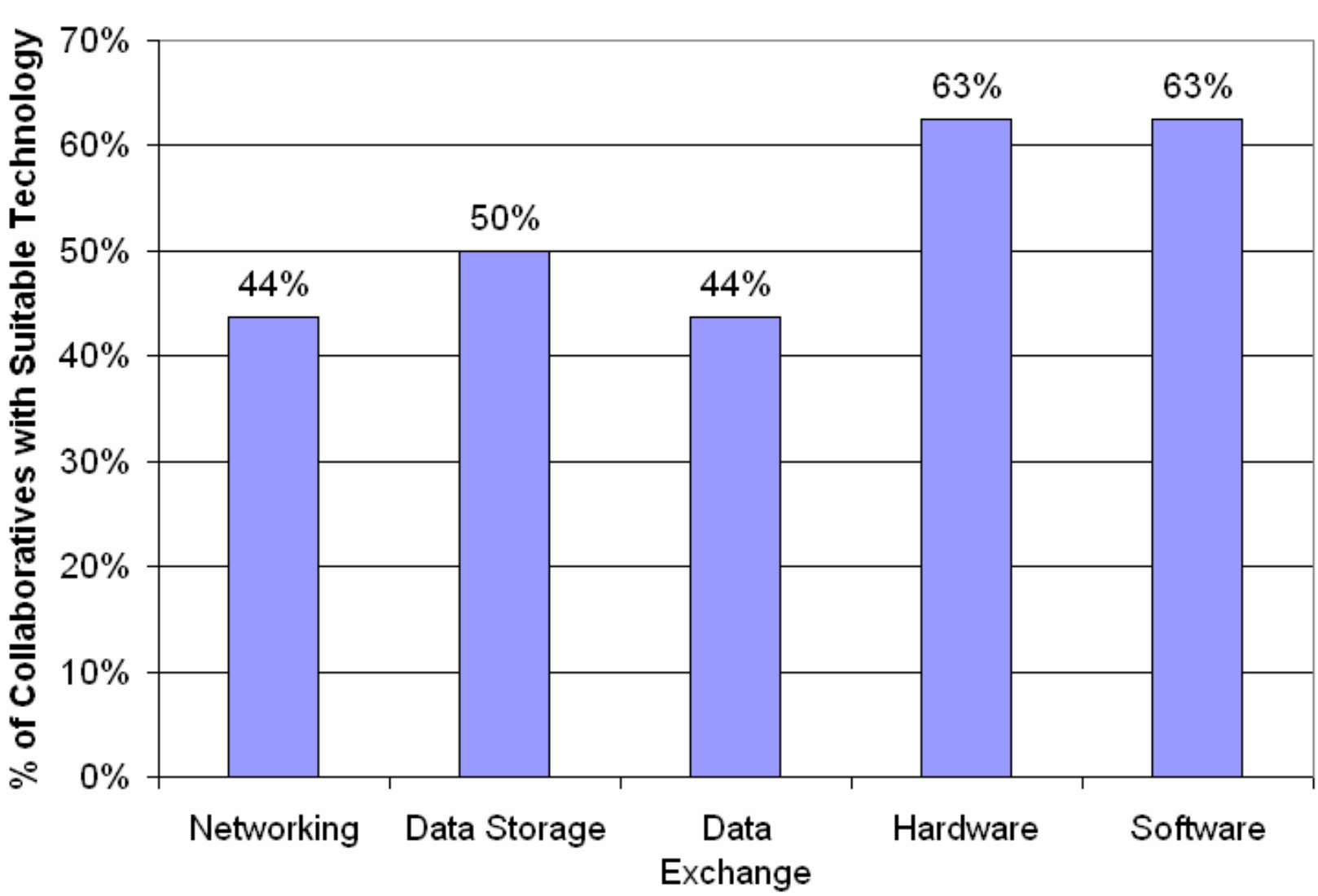
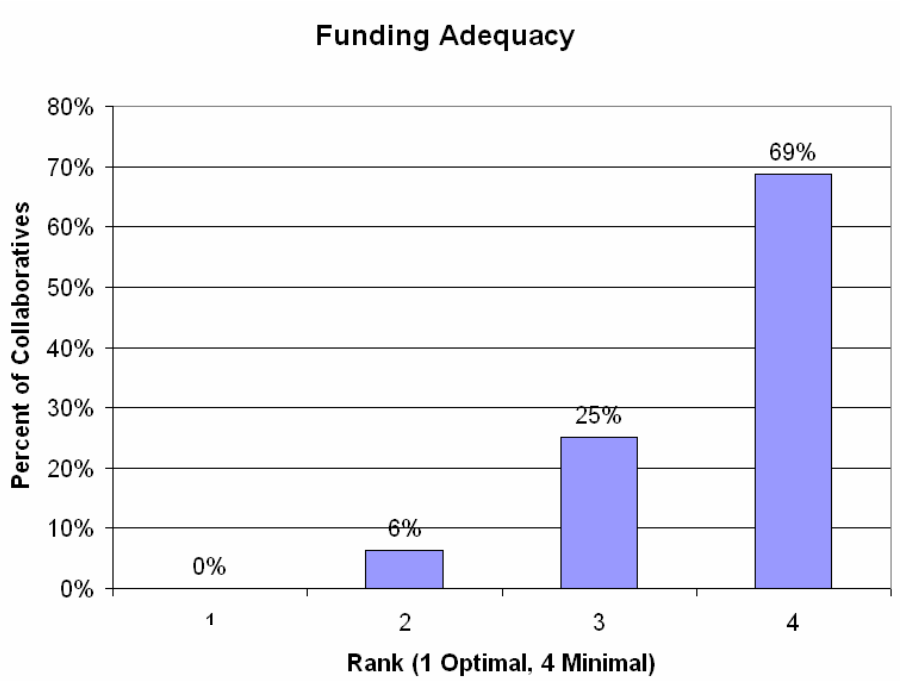
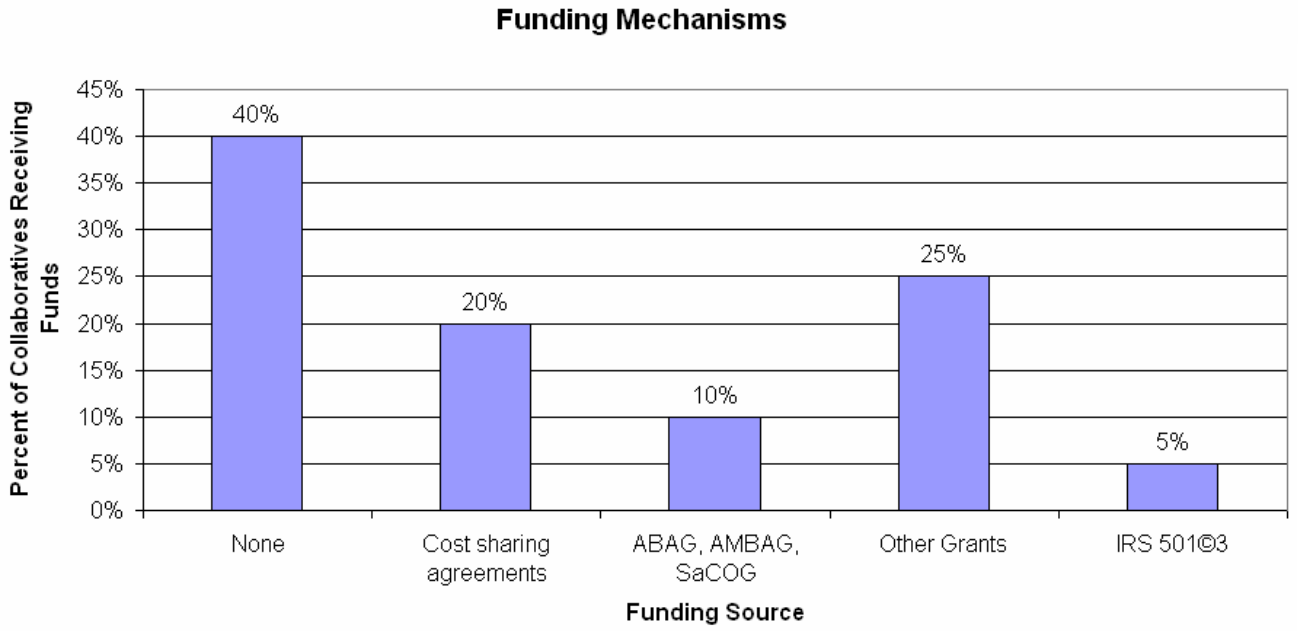
Current Situation: Technology Suitability

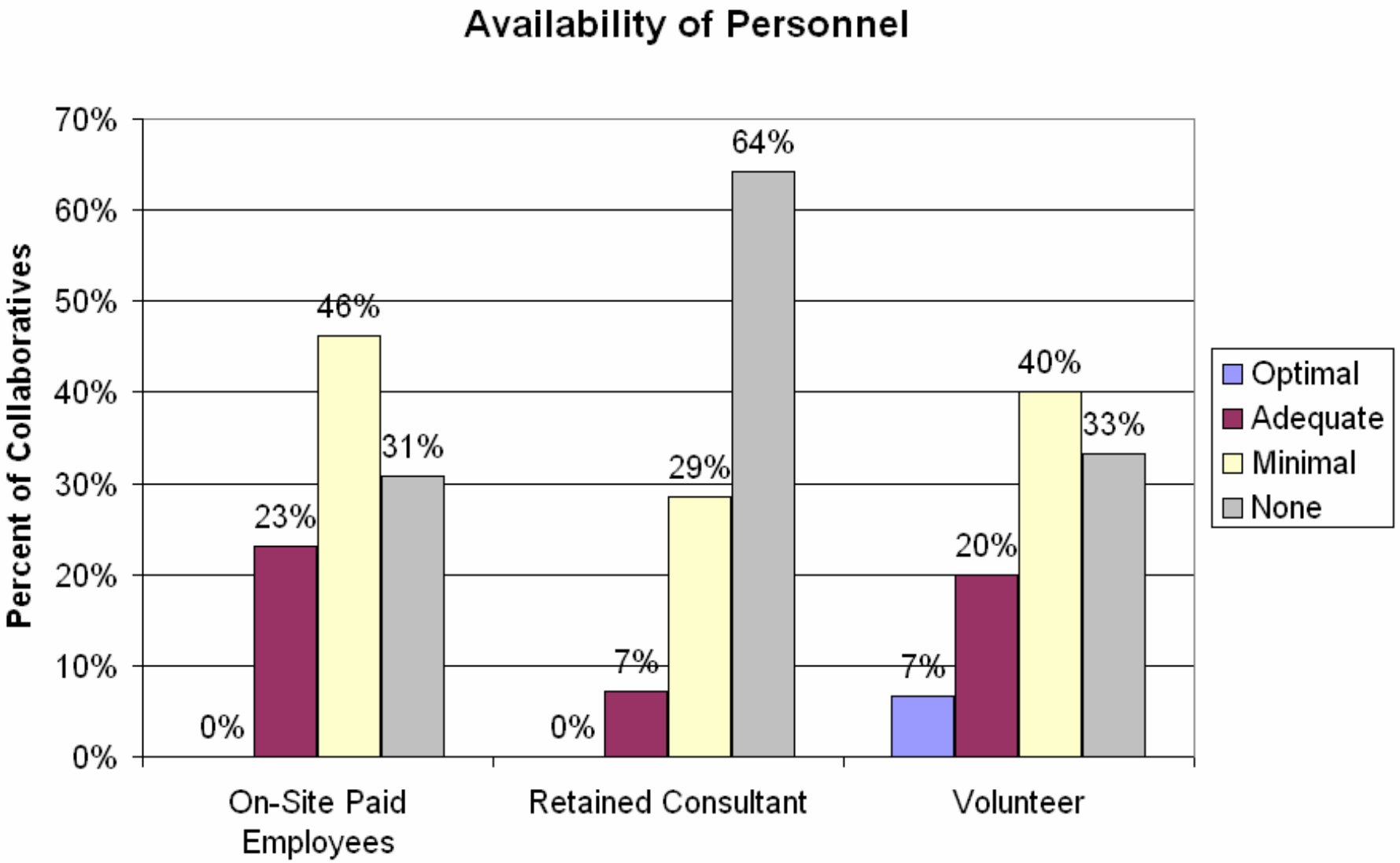


Current Situation: Funding





Current Situation: Staffing



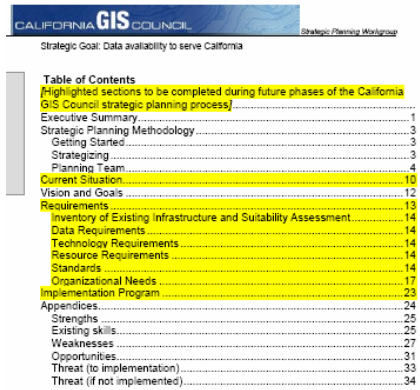
- 50% of Regional Collaboratives have no staff available to support regional efforts.

Current Situation Workshop Interaction

Strength	Weakness
Data Sharing Arrangements	Lack of authority to create formal data sharing agreements
Opportunity	**Threat (Barrier/Constraint)**
Promote awareness of value of GIS for decision making to elected officials	Limitation of funds to build regional data sets

Requirements Outline from Strategic Plan

5. Requirements
   - 5.1 Inventory of Existing Infrastructure and Suitability Assessment
     - *Current state of technology infrastructure, architecture, standards and content*
   - 5.2 Data Requirements
     - *What content needed, and at what level of accuracy and completeness*
     - *Who owns data and what type of sharing agreements*
   - 5.3 Technology Requirements
     - *Necessary requirements to exchange, store, and process geospatial data*
     - *What applications and required*
   - 5.4 Resource Requirements
     - *What expertise and staff is needed and already available*
     - *Will these resources be consultants, fulltime, volunteers, etc.*
   - 5.5 Standards
     - *What are the relevant national and organizational standards*



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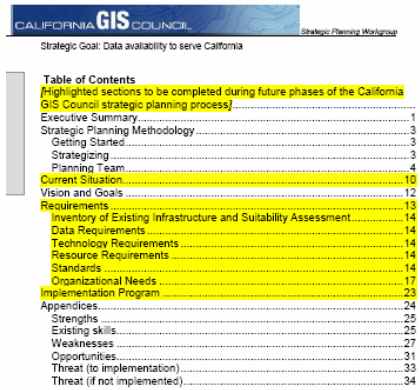
Requirements Outline from Strategic Plan

5. Requirements (continued…)
   - 5.6 Organizational Needs
     - 5.6.1 Executive Support
       - *What support will you need and how will you get it*
     - 5.6.2 Coordination and Oversight Procedures
       - *What is the current relationship and how will you work with various levels of government in this process*
     - 5.6.3 Policy
       - *What mandates are in place and what needs to be addressed*
     - 5.6.4 Staffing
       - *Who is needed and how will they be supported*
     - 5.6.5 Budget Requirements
       - *What funding is needed*
       - *What mechanisms are in place for cost sharing or cooperative funding*
     - 5.6.6 Outreach and Community Development
       - *Who are we coordinating with and how*
     - 5.6.7 Assessing Risk
       - *What are possible risks and how might they affect the process*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Strategic Planning Workgroup

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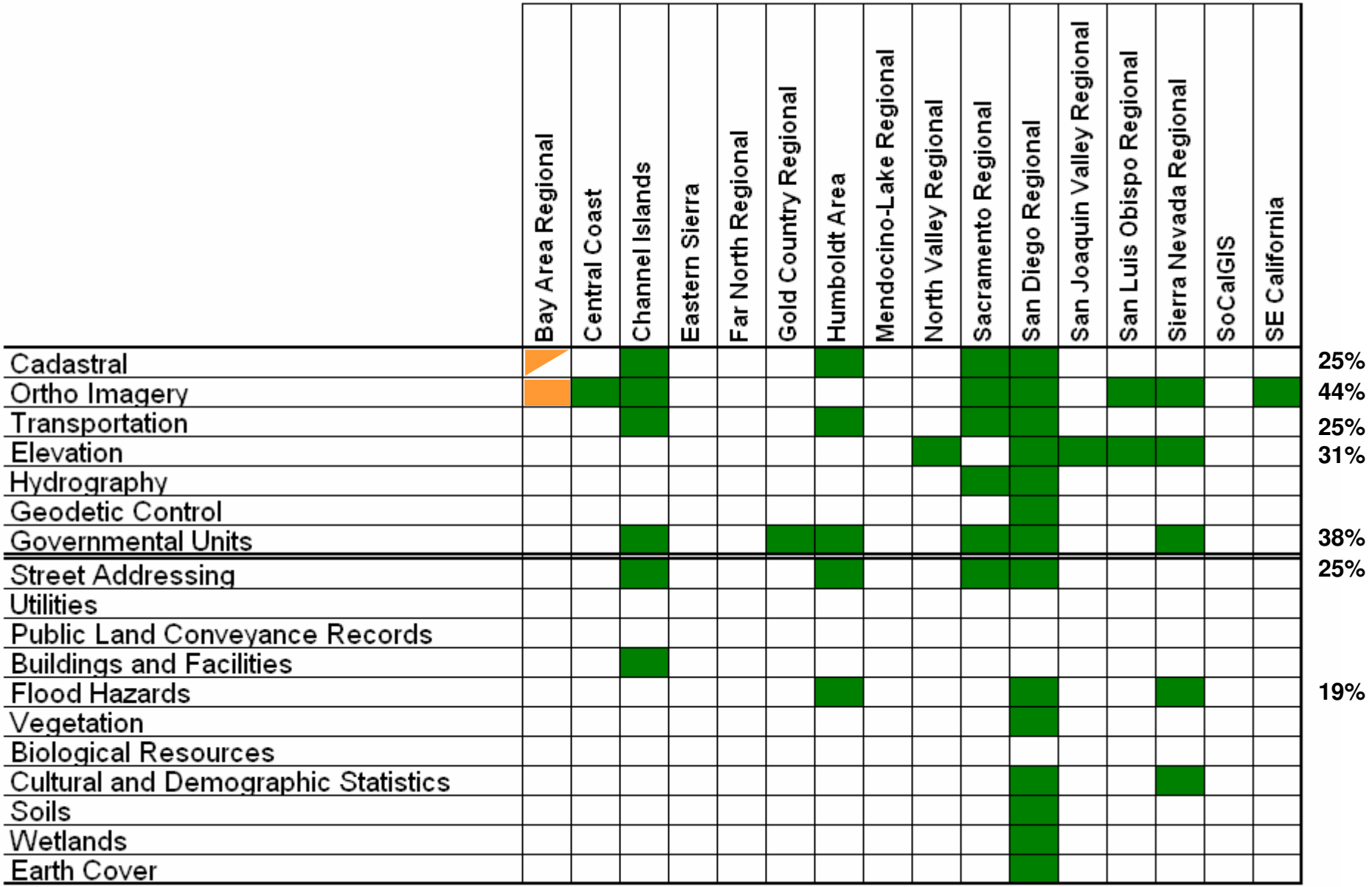
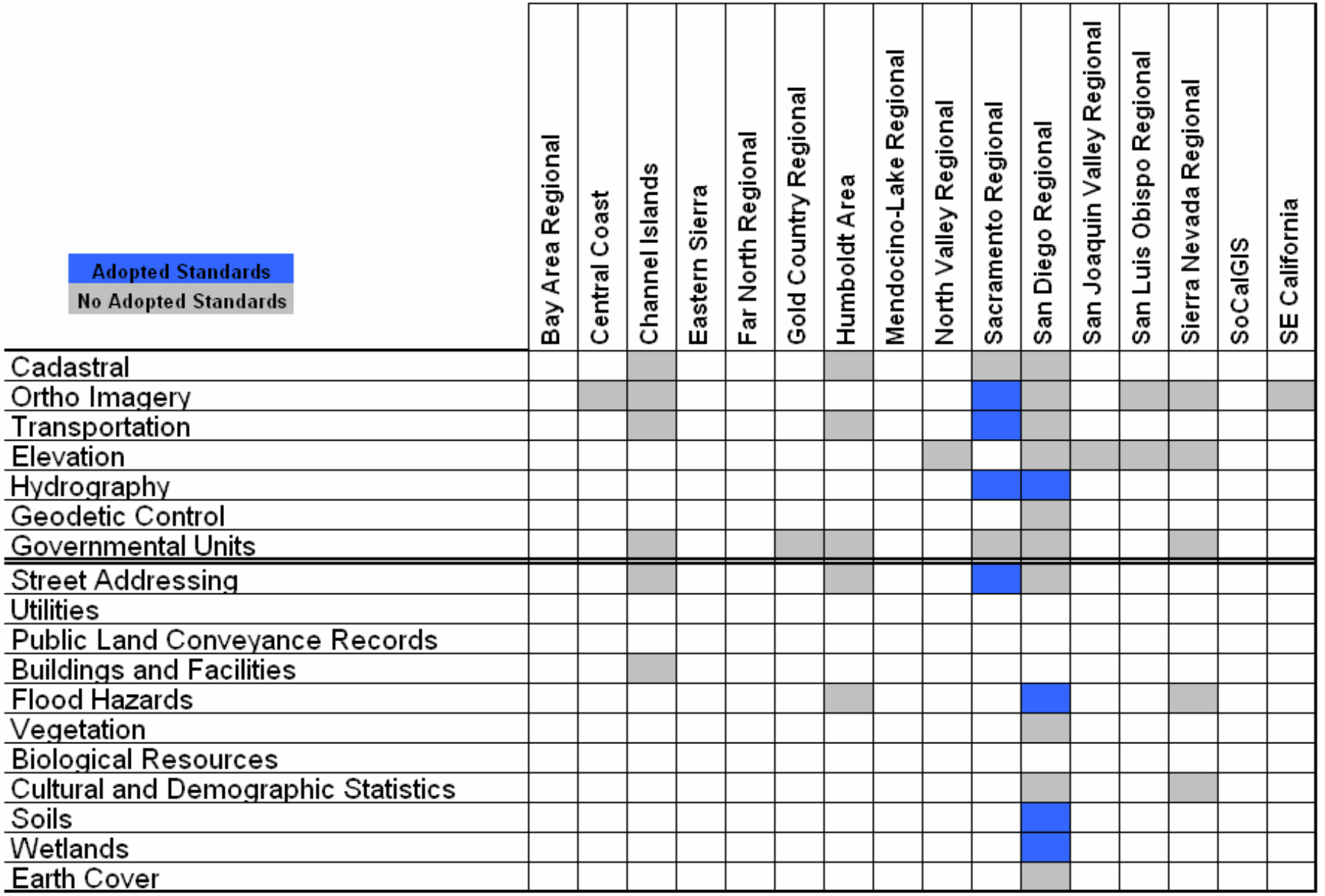
Requirements: Regional SDI



Requirements: Regional SDI Standards



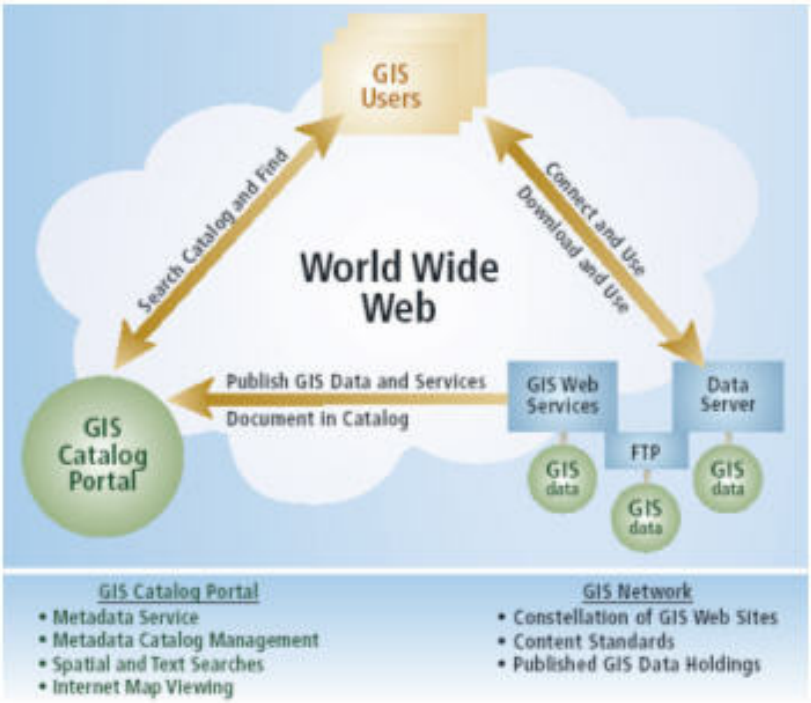
Requirements Workshop Interaction: Regional Support for Statewide Data Development

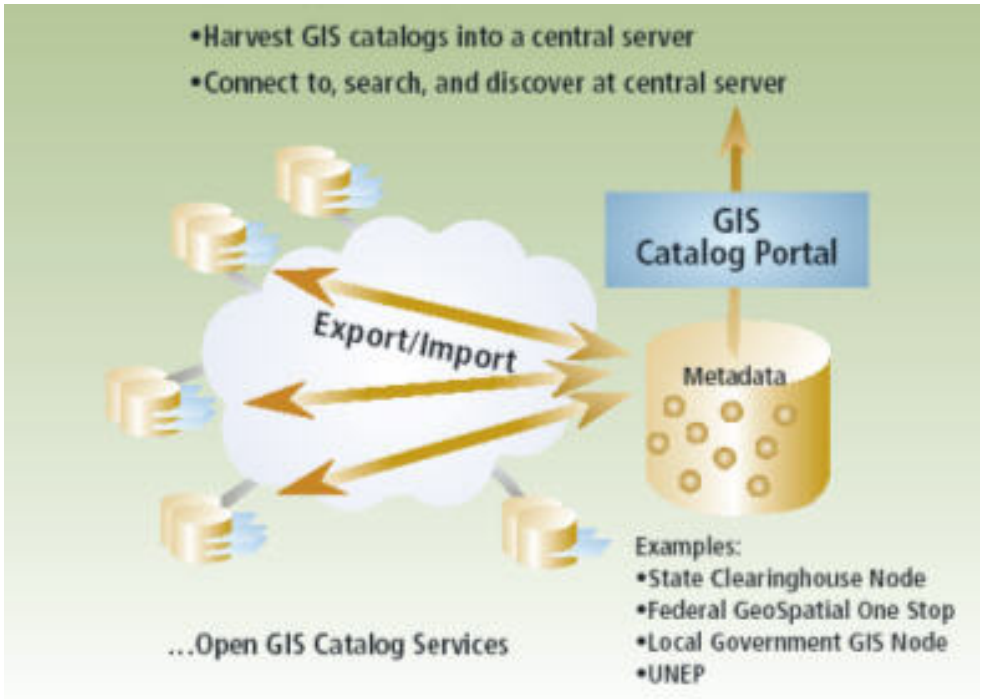
1. Would your region be willing to adopt or follow statewide minimum standards?
2. What business or program processes at the regional and local levels depend on data aggregation and sharing with state and federal government agencies?

Requirements Workshop Interaction: Regional Support for Statewide Data Development

3. Do you see federated data efforts as feasible and desirable?
   What incentives do you need to participate in such efforts?

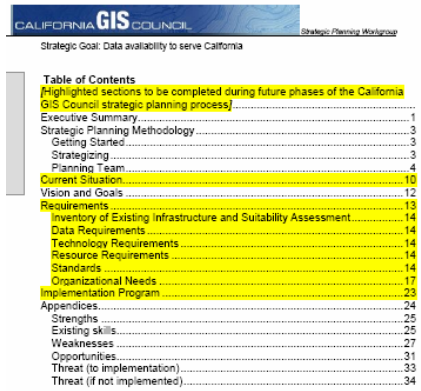
http://www.gisuser.com/content/view/2432/28/





Implementation Outline from Strategic Plan

6. Implementation Program
   - 6.1 Lessons Learned
     - *What case studies are available*
   - 6.2 Implementation of Sub-Projects
     - *How will sub-projects be defined and who will be responsible*
   - 6.3 Phasing and Milestones
     - *Timeline*
     - *What will be completed in each phase*
   - 6.4 Budget Plan
     - *What is the necessary budget*
     - *How will it be funded*
     - *How will it be allocated*
   - 6.5 Marketing the Program
     - *How is the word spread*
     - *Who is the target audience*
   - 6.6 Measuring Success and Recalibration
     - *What factors will be used in measuring success*
     - *How do we capture cost-benefit data*
     - *Do we assess progress to determine if recalibration is needed*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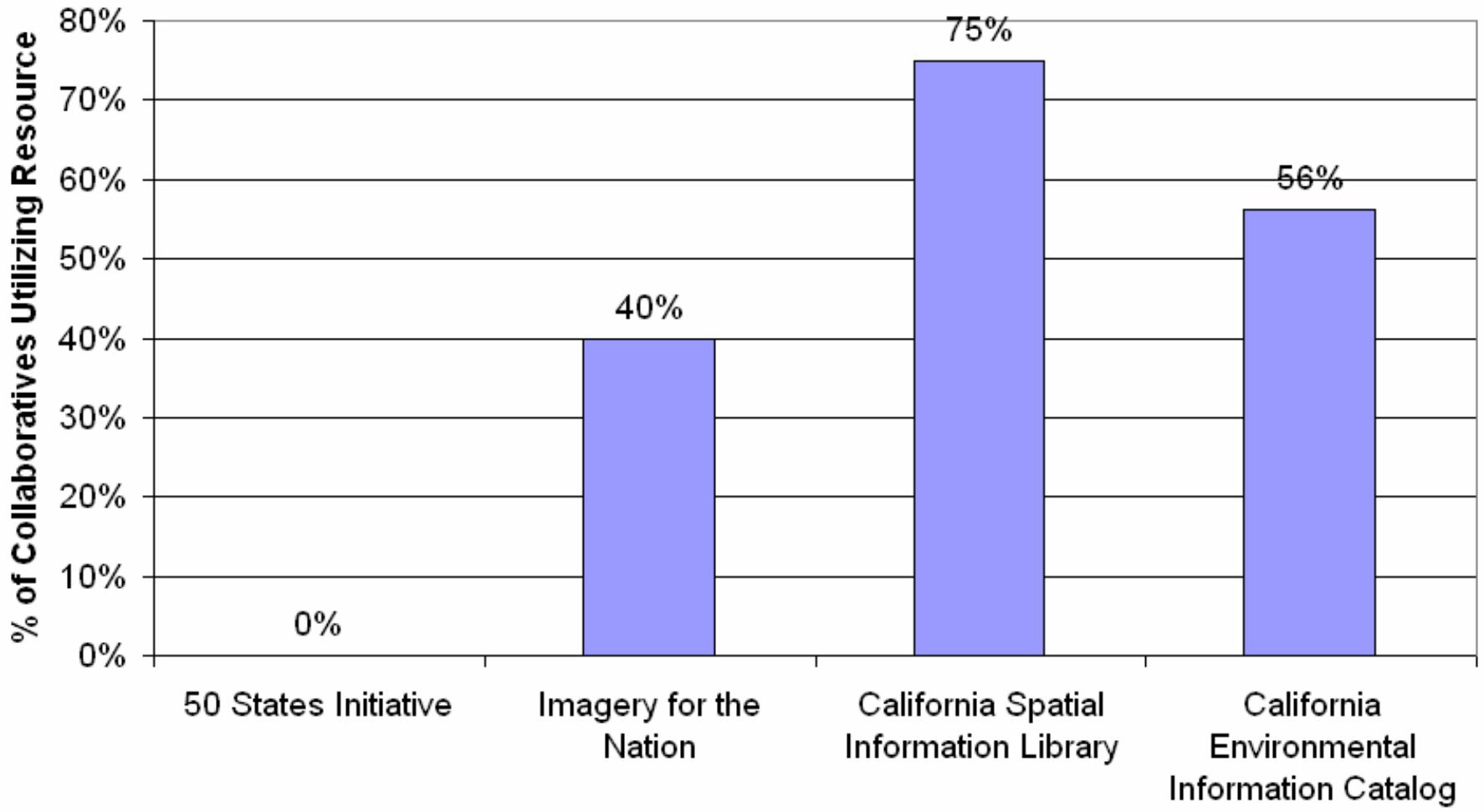
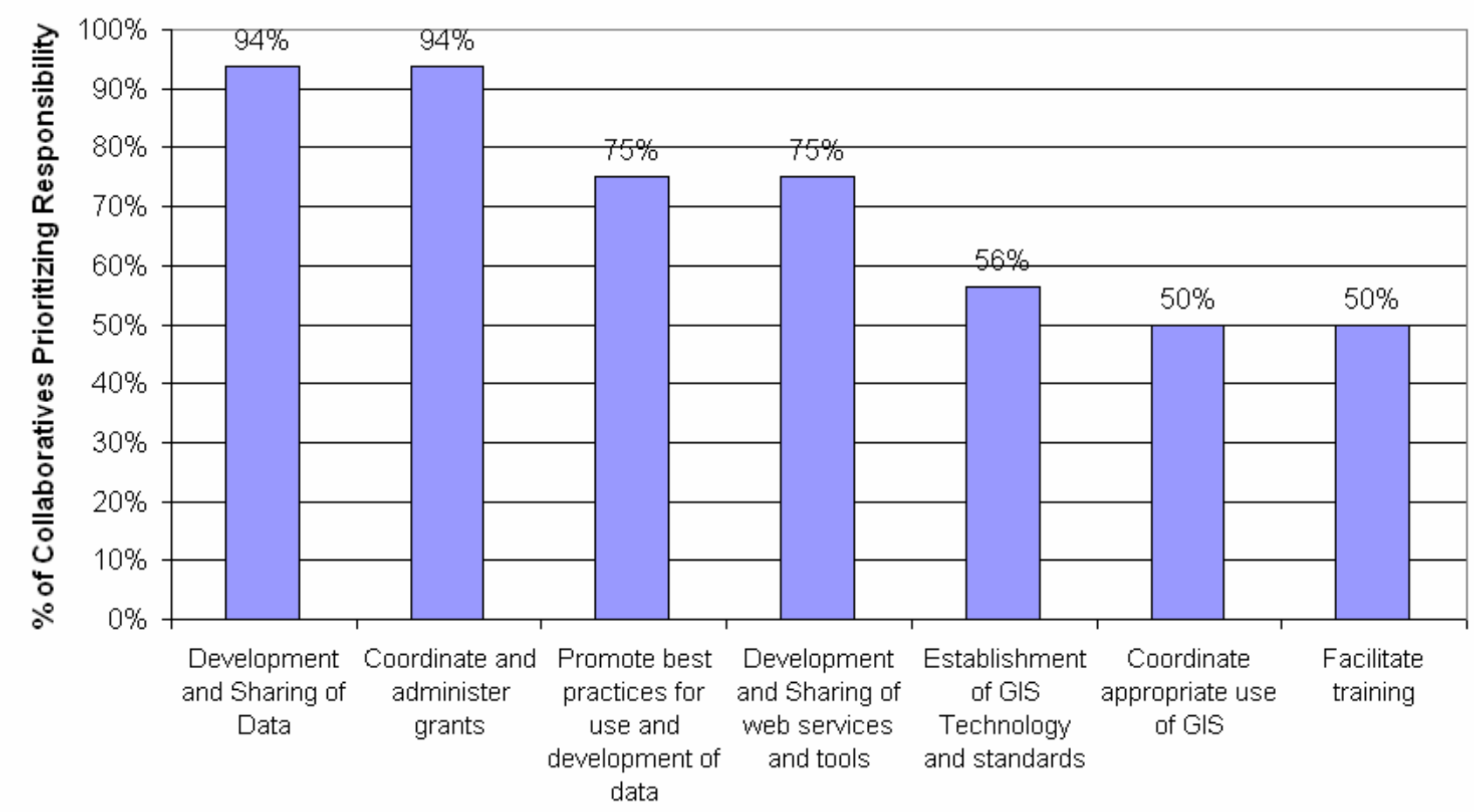
Implementation: Utilization of Available Resources



Implementation Workshop Interaction: State Support for a CA-SDI

- What do you want from state government to further regional GIS efforts?
  - What data or services would help facilitate consideration of statewide values in local land use planning decisions?
  - What roles do you see for state and federal government agencies with regard to GIS data and services?

Implementation: GIS Roles & Responsibilities



- 60% of the Regional Collaboratives believe the GIO should be in the new office of the State's CIO.

Implementation Workshop Interaction: Governance

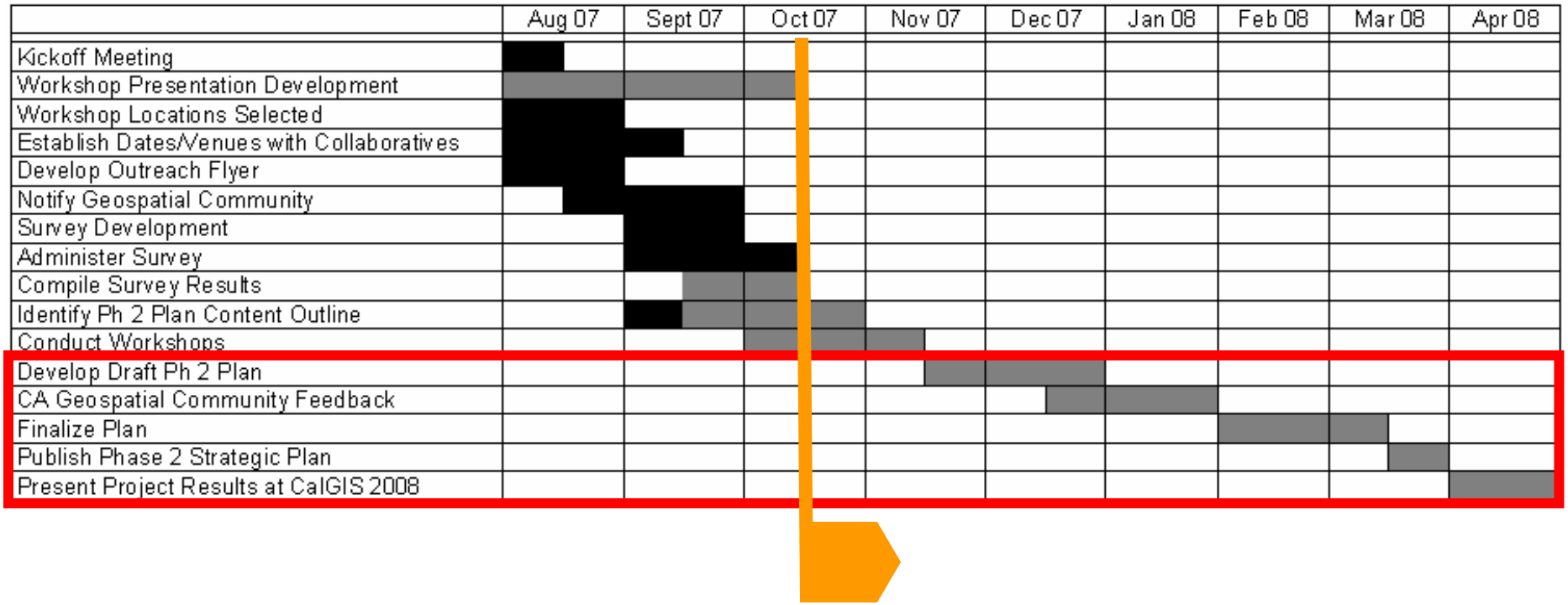
1. How might the California GIS community succeed absent a state coordinating entity like a GIO?
2. What do you need/want from the California GIS Council to further regional GIS efforts?
3. What improvements can be made to the existing California GIS Council governance structure? What's working? What's not?
4. What suggestions do you have for top priority strategies, goals and objectives for the California GIS Council that would help regional and local GIS efforts?

Implementation Workshop Interaction: Data & Technology

1. What value do you see in the CA-SDI for regional and local government?

What happens after the Workshop series?

Post-Workshop Steps



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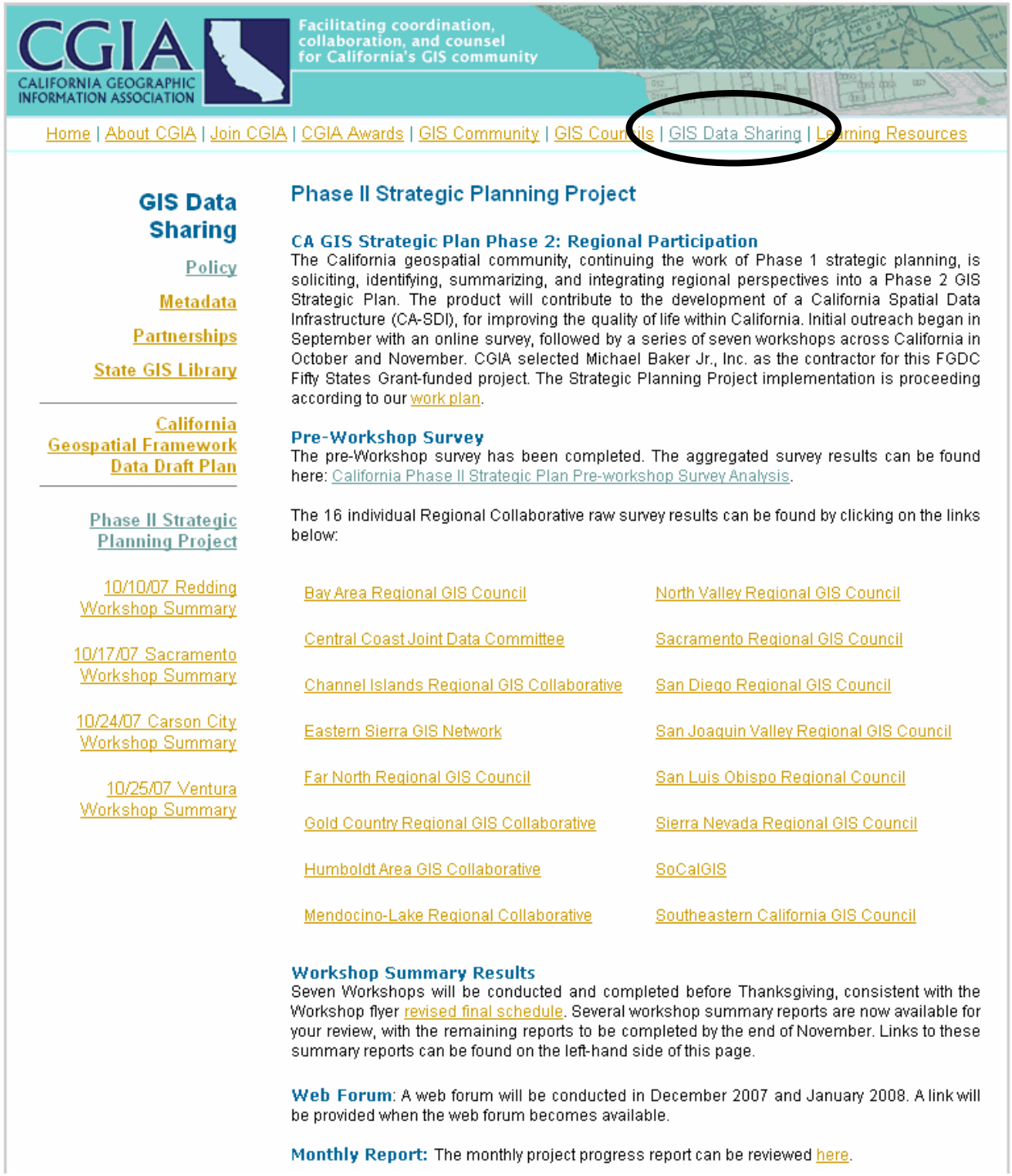
cgia.org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Facilitating coordination, collaboration, and counsel for California's GIS community
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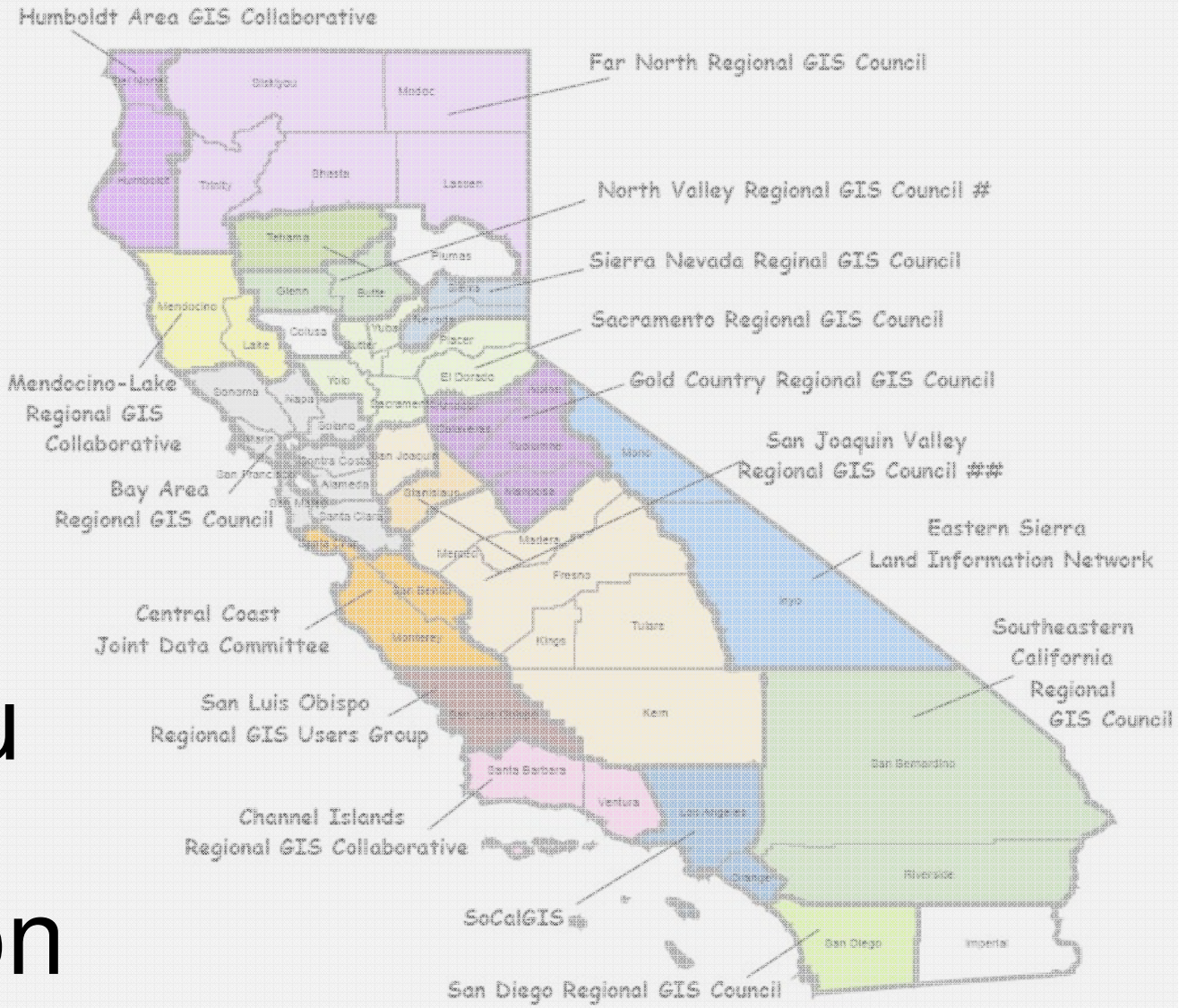
GIS Data Sharing
Policy
Metadata
Partnerships
State GIS Library
California Geospatial Framework Data Draft Plan
Phase II Strategic Planning Project
10/10/07 Redding Workshop Summary
10/17/07 Sacramento Workshop Summary
10/24/07 Carson City Workshop Summary
10/25/07 Ventura Workshop Summary
Phase II Strategic Planning Project
CA GIS Strategic Plan Phase 2: Regional Participation
The California geospatial community, continuing the work of Phase 1 strategic planning, is soliciting, identifying, summarizing, and integrating regional perspectives into a Phase 2 GIS Strategic Plan. The product will contribute to the development of a California Spatial Data Infrastructure (CA-SDI), for improving the quality of life within California. Initial outreach began in September with an online survey, followed by a series of seven workshops across California in October and November. CGIA selected Michael Baker Jr., Inc. as the contractor for this FGDC Fifty States Grant-funded project. The Strategic Planning Project implementation is proceeding according to our work plan.
Pre-Workshop Survey
The pre-Workshop survey has been completed. The aggregated survey results can be found here: California Phase II Strategic Plan Pre-workshop Survey Analysis.
The 16 individual Regional Collaborative raw survey results can be found by clicking on the links below:
Bay Area Regional GIS Council
Central Coast Joint Data Committee
Channel Islands Regional GIS Collaborative
Eastern Sierra GIS Network
Far North Regional GIS Council
Gold Country Regional GIS Collaborative
Humboldt Area GIS Collaborative
Mendocino-Lake Regional Collaborative
North Valley Regional GIS Council
Sacramento Regional GIS Council
San Diego Regional GIS Council
San Joaquin Valley Regional GIS Council
San Luis Obispo Regional Council
Sierra Nevada Regional GIS Council
SoCalGIS
Southeastern California GIS Council
Workshop Summary Results
Seven Workshops will be conducted and completed before Thanksgiving, consistent with the Workshop flyer revised final schedule. Several workshop summary reports are now available for your review, with the remaining reports to be completed by the end of November. Links to these summary reports can be found on the left-hand side of this page.
Web Forum: A web forum will be conducted in December 2007 and January 2008. A link will be provided when the web forum becomes available.
Monthly Report: The monthly project progress report can be reviewed here.

California GIS Strategic Plan
Phase 2: Regional Participation



Thank you
for your
Participation