An aerial photograph of the state of Florida, showing the coastline and major river networks. A semi-transparent blue overlay is applied to the map, particularly over the central and southern regions. The text is centered over this map.

Strategic Planning for Statewide GIS Coordination Regional Workshop

Geospatial Collaboration & Coordination



December 4, 10, and 11, 2007

Tallahassee, City of Plantation, and Orlando

Presenters

- **Richard Butgereit, GIS Administrator**
 - Florida Division of Emergency Management
 - Principal Investigator for CAP Grant

- **Martin Roche, Vice President**
 - Fugro EarthData, Inc.
 - Contractor
 - Project Manager

An aerial photograph of Florida, showing the state's outline and internal features like rivers and terrain. The image is overlaid with a semi-transparent blue layer, particularly prominent in the lower half. The text is centered over the upper portion of the map.

Vision for Statewide GIS Coordination

“To improve the quality of life in Florida by optimizing the use of geographic information through communication, coordination and collaboration.”

Why is Coordination Necessary?

- Florida is ranked number 49 or 50 nationally in our use of GIS as an enterprise resource
- Equal access to data gathering and creating does not exist in Florida
- Enterprise approaches need to be implemented
 - To enable effective data sharing and transportable methodologies
 - To improve data integration and dissemination
 - To insure predictable data quality and timeliness
- Lack of communication and collaboration across jurisdictions and boundaries
 - Cities and counties do not always coordinate
 - Some State agencies are doing well but function as independent organizations
 - Inconsistencies are hurting government and business sector effectiveness

Why are YOU here?

- Opportunity for Involvement in Strategic Planning Process
 - Represent your constituency
 - Provide insight from your perspective on coordination
 - Assist us with identifying immediate activities that will have the highest return

OPPAGA

- Office of Program Policy Analysis & Government Accountability (OPPAGA), an office of the Florida Legislature, has been requested by the Legislature to examine state agency geographic information systems.



15. Sunset Review of Highway Safety and Motor Vehicles	
<i>Project Description</i>	<i>Publication Date</i>
Chapter 2007-161, <i>Laws of Florida</i> , which revised the Florida Government Accountability Act, directs OPPAGA to review the Department of Highway Safety and Motor Vehicles and its advisory committees.	2008



16. Marine Industries	
<i>Project Description</i>	<i>Publication Date</i>
At the request of the Legislature, OPPAGA will review the state's incentives for retaining or expanding businesses associated with its recreational marine industry and compare them to incentives of other states; examine the economic impact of the recreational marine industry; and review efforts related to workforce retention and attraction, slip shortages, ramp accessibility and shortages.	December 2007



17. State Agency Geographic Information Systems	
<i>Project Description</i>	<i>Publication Date</i>
At the request of the Legislature, OPPAGA will examine whether there is duplication and overlap in agency efforts to develop geographic information systems. The project will include state universities and state and regional entities involved in growth management and water management activities.	October 2007

Source: http://www.oppaga.state.fl.us/reports/pdf/oppaga_businessplan2007-08.pdf

To improve the quality of life in Florida by optimizing the use of geographic information through communication, coordination and collaboration.

Agenda

- 1:00pm Welcome & Introduction
- 1:15pm Review of CAP Grant
- 1:30pm Process Overview
- 2:00pm Input to Strategic Plan
 - What is working well today in coordination and collaboration in GIS?
 - What is not working or could be improved?
 - What opportunities are presented by successful coordination?
 - What will Florida lack if we do not implement an effective GIS Coordination process?
- 3:15pm Break
- 3:30pm More Input to Plan
 - What should be the role of a formal coordinating entity?
 - What is the appropriate structure of a coordinating entity?
 - What are the high impact actions that should be a priority for the coordination effort?
- 4:30pm Adjourn

Strategic Planning Overview

- FGDC and NSGIC want to advance the National Spatial Data Infrastructure (NSDI) through building STATE Spatial Data Infrastructure programs (SSDI)
- The 50 States Initiative has as its principal goals to:
 - Encourage implementation of SSDI through effective strategic and business planning efforts
 - Provide guidance on planning activities
 - Encourage formation of partnerships
 - Provide a uniform national framework for strategic and business plans so they can be compared to reveal national trends.

Objectives...

- **To provide** state agencies, regional and local governments, universities, and private sector businesses a means through which they can plan geospatial data development, identify partners for joint development projects, and seek support for funding
- **To identify** cost-effective and efficient means to develop geospatial data layers and transferable methodologies for sharing across boundaries

Objectives

- **To integrate** geospatial data into business plans and decision making at all levels of government and community planning
- **To move** toward more accurate and better organized information infrastructures
- **To create** educational environments that improve opportunities, knowledge, and access to progressive geospatial technologies and applications

Current Effort Builds on Past Statewide GIS Coordination

- Growth Management Data Network Coordinating Council
- Base Mapping Advisory Council
- FL Geographic Information Board
- FL GIS Advisory Group

Current GIS Coordination

- **WMD GIS Managers**
 - DEP, DOR, DOT, FWCC, DEM
 - USGS, USDA, ACOE
- **Regional User Groups**
 - SHRUG, CFGIS, SF GIS Expo
 - New groups forming all over State

Current GIS Coordination

- **Special Interest Groups**
 - Florida HAZUS User Group
 - ArcHydro User Group
 - Florida ESRI User Group
- **Professional User Groups**
 - FLURISA, FACM, FSMS, ASPRS

Current GIS Coordination

- University Partners
 - UF's GeoPlan
 - FSU's FREAC
- Public-Private Partners
 - Application, data development
 - Specifications

Federal Enabling Framework

- USGS National Geospatial Program Office
- National Spatial Data Infrastructure (NSDI)
 - Presidential Executive Order 12906 of April 11, 1994.

“the technology, policies, standards, and human resources necessary to acquire, process, store, distribute, and improve utilization of geospatial data.”
- NSDI developed in cooperation with federal, state, local, and private data producers.

Building the NSDI

GOS Portal

Federal

Counties

States

Cities

Tribes

Academia

Private

Geospatial One Stop

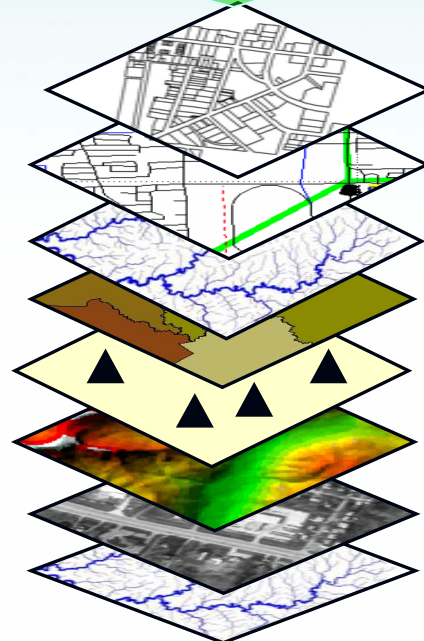
- Discovery and Access
- Common Infrastructure
- Harvesting

FGDC

- Coordination
- Standards/Policy
- Training
- Partnerships

The National Map

- Integrated Content
- Seamless Base
- Map Products
- Data Dissemination



Land Cover

Transportation

Surface Waters

Boundaries

Structures

Elevation

Orthoimagery

Geographic Names

NSDI Examples

- Coordinating Florida statewide orthoimagery program with Federal requirements for high-resolution imagery.
- Promoting adherence to Data Standards, publication of FGDC-compliant metadata, cataloging data inventory in regional geospatial clearinghouse.
- Providing seed funding for transfer of data stewardship activities to state (NHD, GNIS)
- Funding clearinghouse development efforts.
- **Supporting statewide geospatial program coordination activities through FGDC Cooperative Agreements Program funding.**

Federal Geographic Data Committee

- Administered through USGS-National Geospatial Program Office
- Interagency coordinating body responsible for fostering the development of the NSDI
- Provides Cooperative Agreements Program (CAP) funding annually to states in support of geospatial program development

Federal Enabling Framework

Federal Geographic Data Committee (FGDC)

Cooperative Agreements Program - 2007

Category 1: FGDC-Endorsed Standards Implementation Assistance

Category 2: Framework Client Development

Category 3: Fifty States Initiative -- Awarded to Florida

Category 4: Geo-Enabled Federal Businesses Initiative

Category 5: Geographic Information Integration

National States Geographic Information Council



- An organization committed to efficient and effective government through the prudent adoption of geospatial information technologies
- Since 2005, Florida Division of Emergency Management GIS Administrator has been serving as state representative to NSGIC

NSGIC Goals

- NSGIC provides a unified voice on geographic information and technology issues, advocates State interests, and supports its membership in their statewide initiatives.
- The Council actively promotes prudent geospatial information integration and systems development.
- NSGIC reviews legislative and agency actions, promotes positive legislative actions, and provides advice to public and private decision-makers.

NSGIC Supports Planning

- Coordination Performance Objectives
- 9 Coordination Criteria
- Strategic and Business Plan Templates

Advancing Statewide Spatial Data Infrastructures in Support of the National Spatial Data Infrastructure (NSDI)

Strategic Plan Template

For use by all stakeholders in the Geospatial Community



National States Geographic Information Council

Produced by NSGIC
for the Federal Geographic Data Committee (FGDC)

March 2006



Criteria for Effective Coordination

1. A full-time, paid coordinator position is designated and has the authority to implement the state's business and strategic plan

No plans at this time for implementing this criteria

2. A clearly defined authority exists for statewide coordination of geospatial information technologies and data production

We currently are planning to implement this within the next 12 to 18 months

3. The statewide coordination office has a formal relationship with the state's Chief Information Officer (or similar office)

We currently are planning to implement this within the next 12 to 18 months

Criteria for Effective Coordination

4. A champion (politician or executive decision maker) is aware and involved in the process of coordination

We currently are planning to implement this within the next 12 to 18 months

5. Responsibilities for developing the National Spatial Data Infrastructure and a State Clearinghouse are assigned

Progress has been made and we expect this implemented within 12 months

6. The ability exists to work and coordinate with local governments, academia, and the private sector

Implemented at this time

Criteria for Effective Coordination

7. Sustainable funding sources exist to meet projected needs

No plans at this time for implementing this criteria

8. Coordinators have the authority to enter into contracts and become capable of receiving and expending funds

No plans at this time for implementing this criteria

9. The Federal government works through the statewide coordinating authority

Implemented at this time

Revived – A Strategic Plan

The Whats, Whys, Processes, and Goals

- ✓ Volunteers gather to revitalize the effort
- ✓ Obtain USGS Cooperative Agreement Program Grant
- ✓ Obtain Subject Matter Experts

- Share and gather information through GIS Professionals
 - ✓ State CIO Council
 - ✓ WMD-GIS Managers Meetings
 - ✓ CFGIS Workshop
 - ✓ SFGIS Expo
 - ✓ SHRUG
 - ✓ Action Committees

Steering Committee

Richard Butgereit, Chairman
GIS Administrator, FDEM

David Anderson, Florida NHD Coordinator, FDEP

Scott Burton, GIS Manager, Broward County Sheriff's Office

Jared Causseaux, GIS Coordinator, FDOT

Steve Dicks, GIS Manager, SWFWMD

Jason Drake, GIS Manager, National Forests of Florida

Louis Driber, Florida Geospatial Liaison, USGS

Ric Dugger, FSU's Florida Institute of Government

Marshall Flynn, Tampa Bay Regional Planning Council

Chris Friel, GIS Division Director, PhotoScience

Lee Hartsfield, Leon County GIS Manager, President Florida URISA & SHRUG

Al Hill, Volusia County GIS Manager, President CFGIS

Stephen Hodge, FSU's FREAC

Kathleen O'Keife, GIS Coordinator, FWC

Alexis Thomas, UF's GEOPLAN

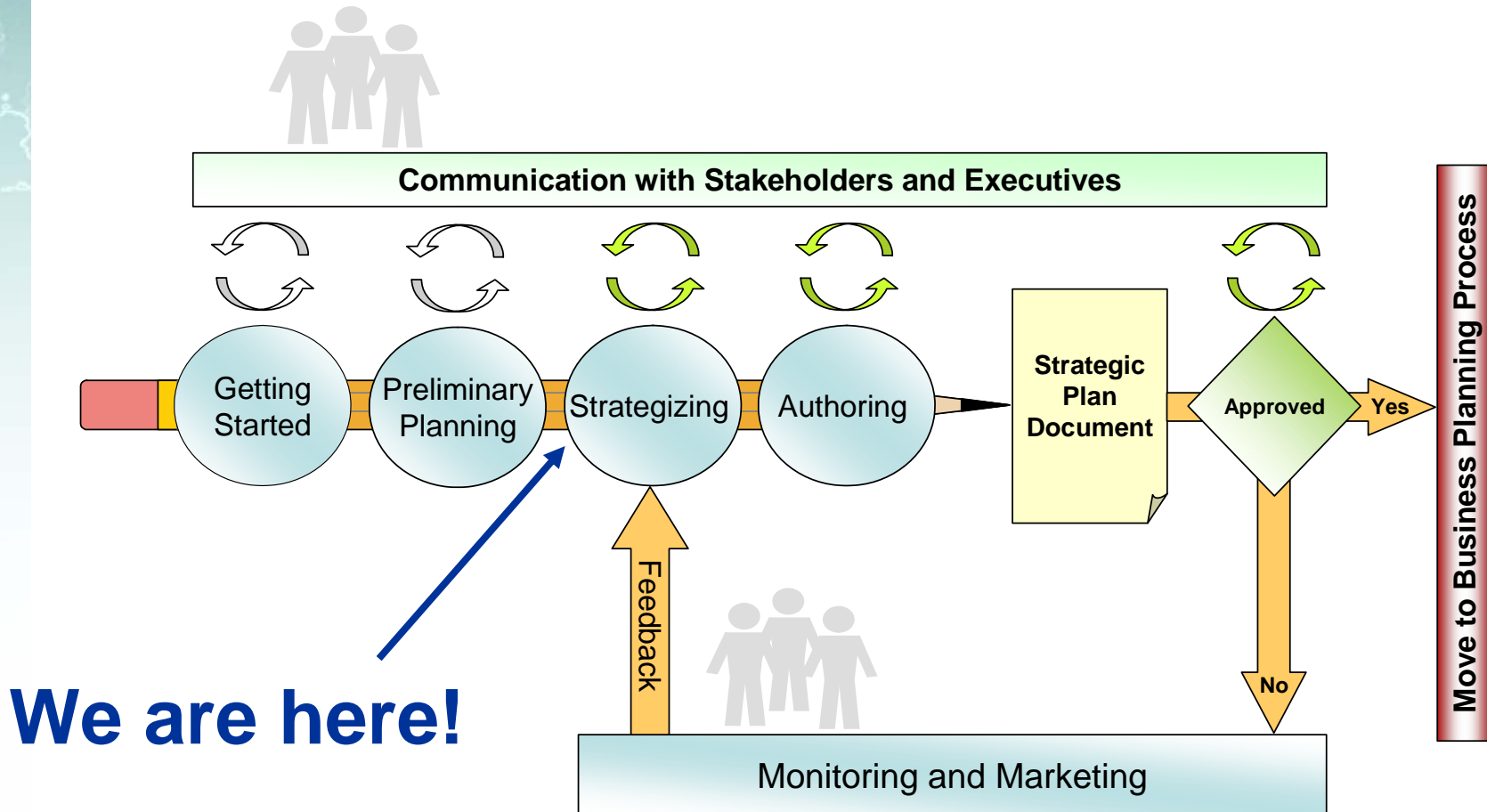
Eric Songer, URS

Diana Umpierre, GIS Analyst, City of Miami

Facilitators

- Fugro EarthData Team
 - Bill Shinar, Regional Manager
 - Robin Hoban, Regional Manager
 - Martin Roche, Vice President
- Florida Institute of Government
 - Ric Dugger, CIO
 - Brenda Green, GIS Analyst

Strategic Planning



Strategic Plan Vs. Business Plan

■ Strategic Plan

- Build consensus on ‘what’ we are trying to accomplish
- Understand ‘why’ we are doing it
- Focus on process & goals (identify a path)

■ Business Plan

- Implementation—How, When, and How Much \$\$
- Presents a business case focused on ROI
- Focused on enabling documents (legislation, executive order, etc.) and funding

Project Workflow

- Kick-off and project charter meeting held
- Stakeholder Outreach
 - Regional Conferences
 - E-mail contact
 - Web site
- Data collection
- Analysis
- Plan Draft (3 iterations)

Data Collection

■ Survey

- Geospatial data, technology and training needs
- Perceived benefits from coordination
- Perceived pitfalls of coordination
- Thoughts on structure and funding

■ How collected?

- In person with selected state, regional, county and local governments
- Regional meetings
- On-line for everyone

Analysis

- Summary of survey data published
 - Reviewed by Steering Committee
 - Published on web site

Project Schedule

- Kick-off Meeting (October 10-11)
- Regional Workshops
 - Tallahassee (December 4)
 - Orlando (December 11)
 - South Florida (December 10)
- On-Line Survey (Nov. 19 to Dec. 14)
- Data Summary (December 23)
- Strategic Plan
 - Draft 1 (January 25)
 - Draft 2 (February 12)
 - Final Draft (March 7)



Prepare and Stay Aware!

Search

Documents

[CFGIS Workshop Presentation \(PDF\)](#)

[2007 NSGIC State Summary \(PDF\)](#)

[2007 Application \(PDF\)](#)

[Home](#) / [Organization](#) / [About the Division](#) / [BPR](#) / [GIS](#) / [CAP Grant](#)

NSDI CAP Program

The [National Spatial Data Infrastructure \(NSDI\) Cooperative Agreements Program \(CAP\)](#) is an annual program to assist the geospatial data community through funding and other resources in implementing the components of the NSDI. This program provides small seed grants to initiate sustainable on-going NSDI implementations. The program emphasizes partnerships, collaboration and the leveraging of geospatial resources in achieving its goals.

www.floridadisaster.org/gis/capgrant

Latest News

Nov 7 - Join us at the [Seven Hills Regional User Group for GIS workshop](#) in Tallahassee on Nov 13 & 14! Following a presentation at lunch on Tuesday, we will host a follow-up discussion session.

Oct 11 & 12 - Project chartering meeting held in Tallahassee with steering committee members.

Oct 4 - [Presentation](#) given at [South Florida GIS Expo](#).

Sep 18 - [Presentation](#) given at [Central Florida GIS Group Workshop](#).

Sep 11 - EarthData [selected](#) for Florida GIS Strategic Plan Development.

Sept 8 - [Response](#) made to [2007 NSGIC State Summary](#).

Aug 24 - Now accepting responses to our Request for Proposal -- [Florida GIS Strategic Plan Development in Support of the NSDI Fifty States Initiative](#). Deadline for responses is September 05.

Aug 3 - Steering committee wraps up a month's worth of conference calls drafting the RFP.

[2007 CAP Information](#)

[Fifty-States Initiative](#)

[National States Geographic Information Council](#)

[NSDI](#)

[Federal Geographic Data Committee](#)

Why Coordinate GIS Efforts?

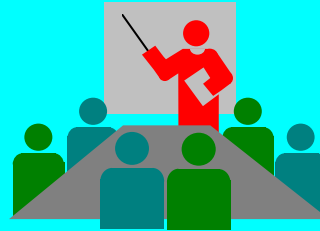
- Save Money
 - Group purchases of data, software, training
- Increase Productivity
 - Standards reduce conversion requirements
- Increase Opportunity
 - Share information, share work, expand benefits more than costs
- Expand Awareness
 - Creates expanded demand

Value-added

Agency/Organization
GIS Components:
Value-added & **Overhead**

Overhead

Agency Reports,
Products & Services,
Presentations



Agency GIS

Research & Analysis



Data Support &
Operations



Internal Data

Collect Data
Input Data
Format Data

District Offices
Counties
Communities
Planning Districts

Multiple Sources

Single Source

Roads

Single Source

Historic Sites

Single Source

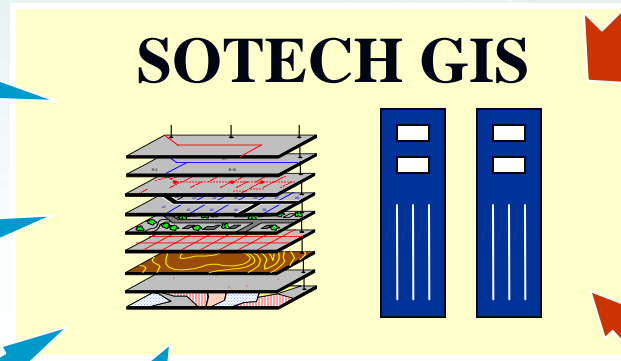
Rivers

Collect Data
Convert Data
Reformat

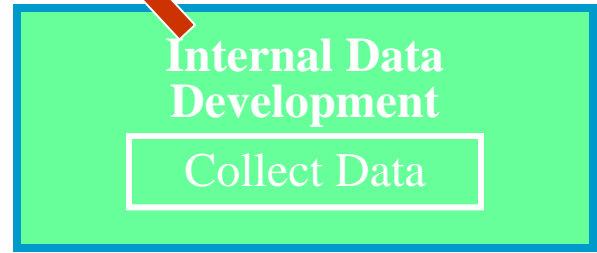
External Data

Value-added

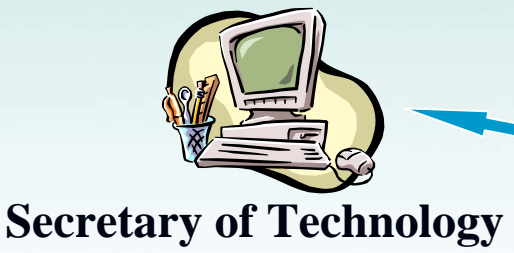
Agency/Organization
GIS Components:
Value-added,
direct Overhead and
shared Overhead



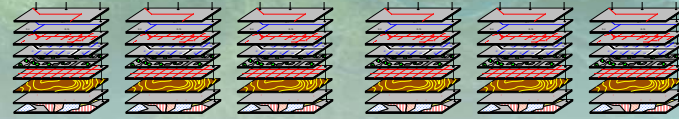
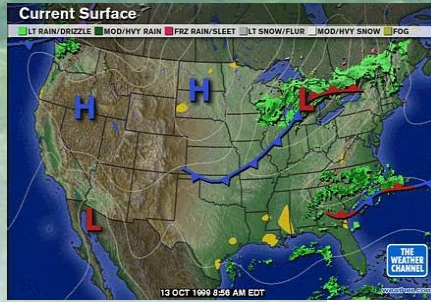
Shared Data
& Operations
Overhead



Overhead

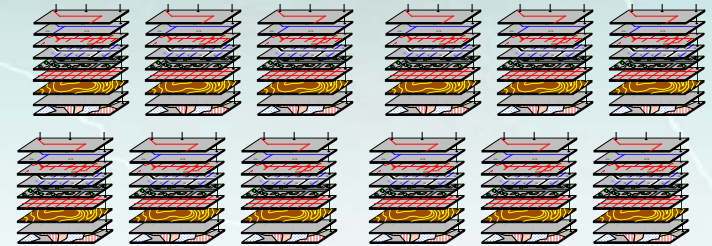


National

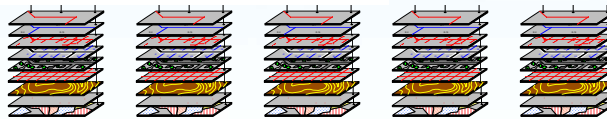


Statewide

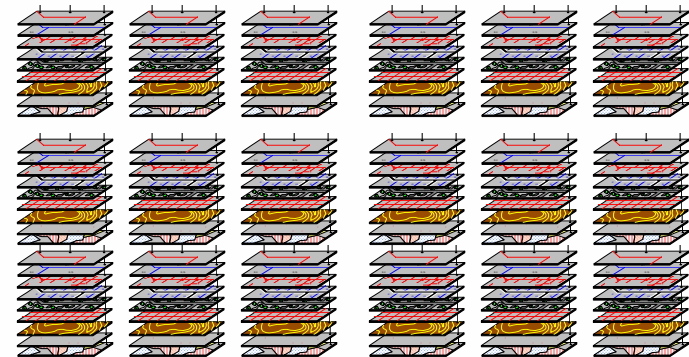
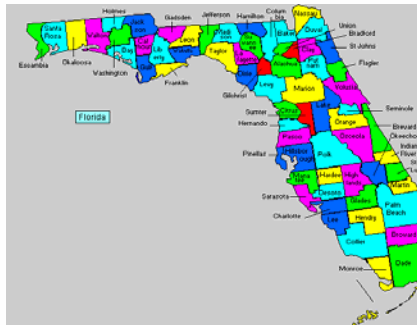
FLORIDA
www.50states.com



Regional



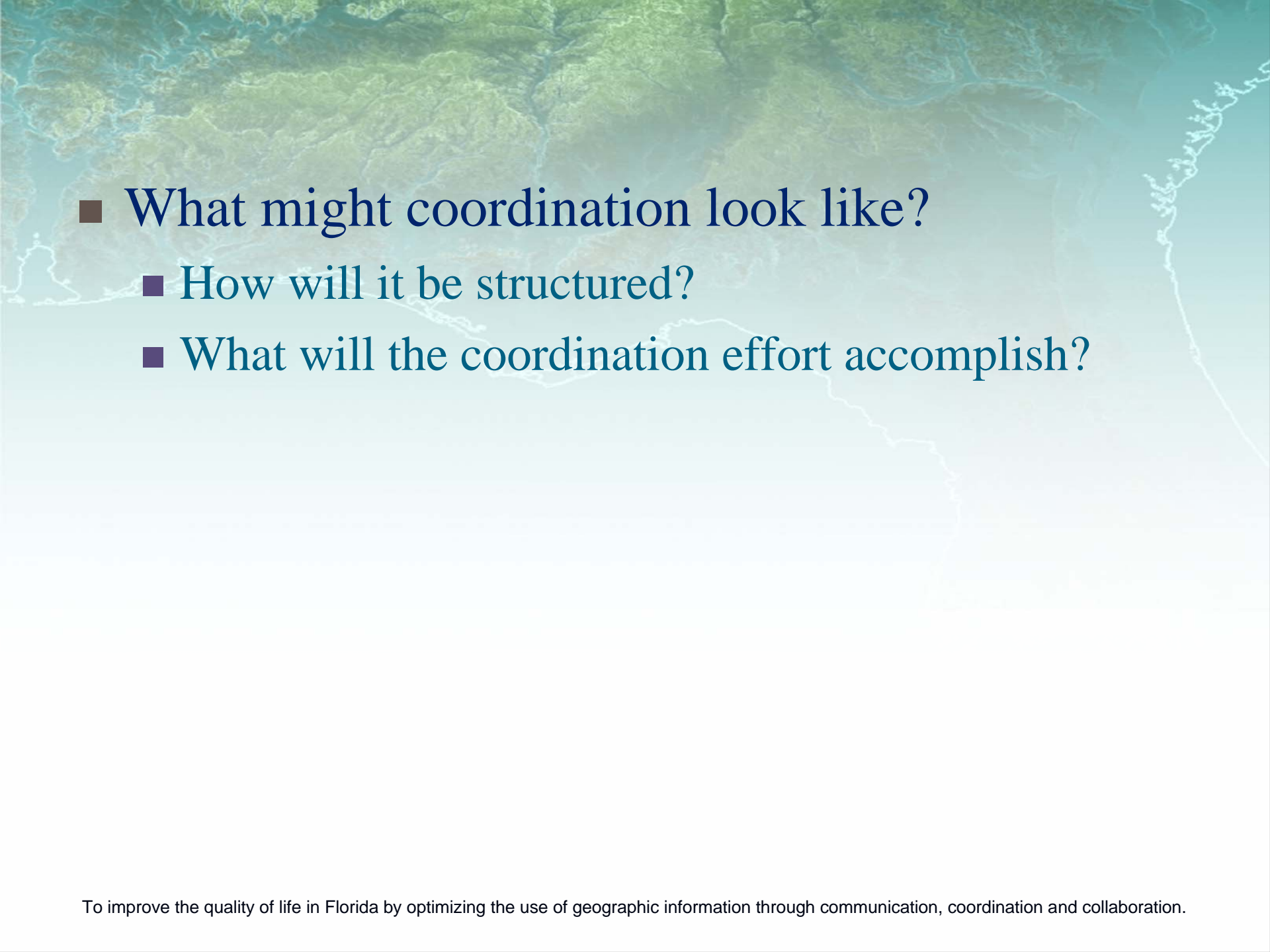
Local



To improve the quality of life in Florida by optimizing the use of geographic information through communication, coordination and collaboration.

Coordination Examples

- Resource/Contact directory
- Metadata standards
- Statewide data acquisition programs
- Data metrics and priorities
- Exchange services
- Enterprise services
- Data Clearinghouse
- Enable underserved communities

- 
- An aerial photograph of a river delta, likely the Mississippi River delta, is shown in the background. The water is a light blue-green, and the land is a darker green. A semi-transparent map of Florida is overlaid on the image, with the state's outline clearly visible. The map is positioned such that it covers the lower half of the image, with the river delta visible above it.
- What might coordination look like?
 - How will it be structured?
 - What will the coordination effort accomplish?

Coordination efforts in other states

- Full-time paid coordinator 29
- Clearly defined authority 32
- Formal tie to state CIO 28
- Involved political champion 24
- NSDI Clearinghouse 29
- Work with local governments 33
- Sustainable funding 13
- Coordinator contract authority 31
- Primary Federal program contact 28

Coordination efforts in other states

- Where effort is housed
 - IT Agency 10
 - Natural Resources 10
 - CIO Office 9
 - Geological Survey 3
 - Academic Organization 3
 - Non-Profit 3
 - Governor's Office 1
 - Budget agency 1

Coordination efforts in other states

- How was coordination effort created?
 - Agency Administrative Decision 18
 - Legislation 12
 - Executive Order 5
 - Action by Coordinating Council 7
 - Other 7

Coordination efforts in other states

■ Funding Status

■ Fully Funded	10
■ Partially Funded	20
■ Not Funded	9

Coordination efforts in other states

■ Source of Funds (Coordination Office)	
■ General Funds	25
■ Federal Grants	19
■ Agency Contributions	14
■ Special Appropriation	13
■ Capital Budget	6
■ Bond Funds	2
■ Federal Funds	4
■ Other	8

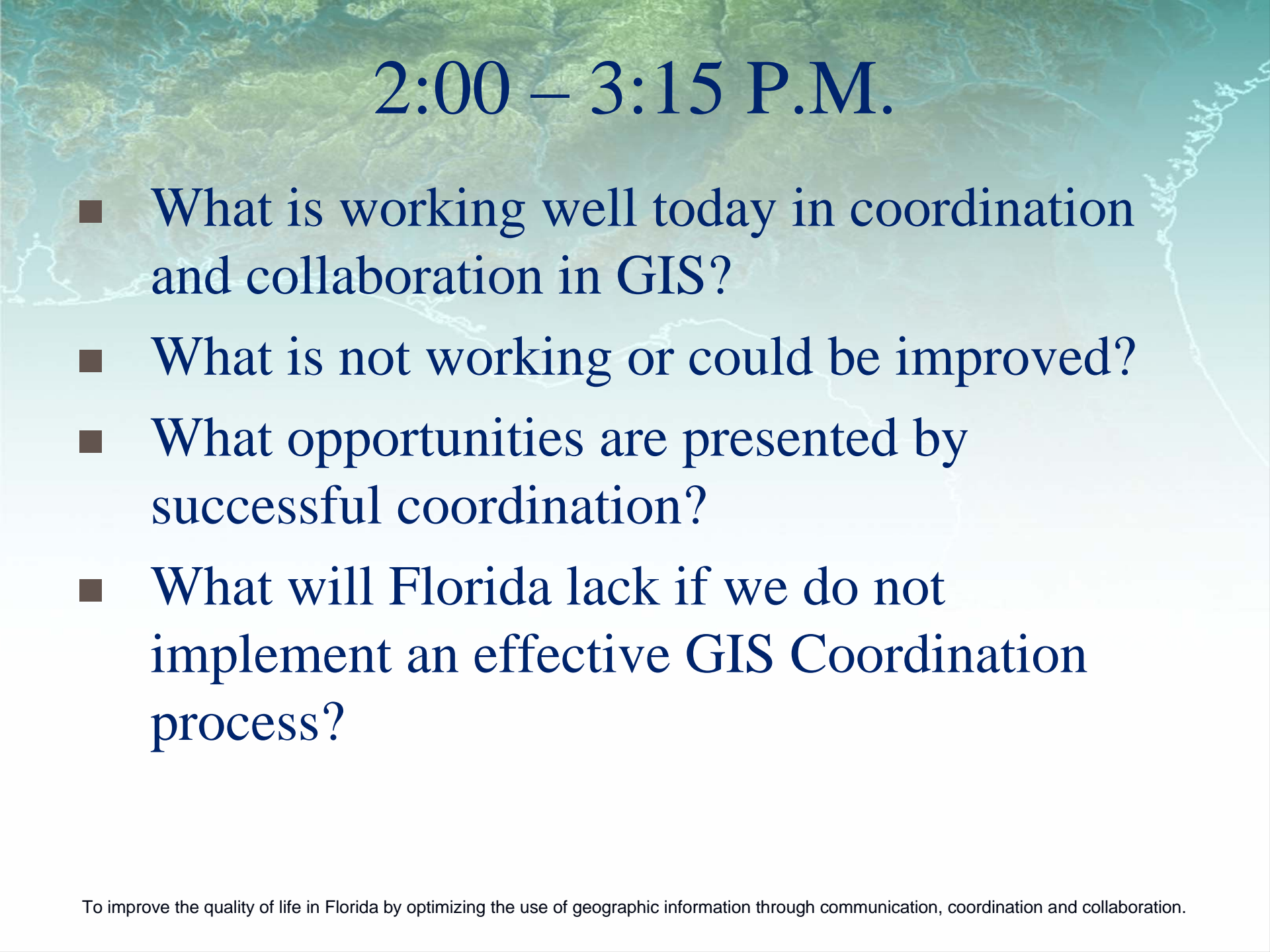
Coordination efforts in other states

■ Activities Managed Through Coordination Efforts

■ Data Clearinghouse	41
■ GIS Coordinating Council	40
■ Data standards	31
■ GIS Personnel/Job Descriptions	24
■ Data distribution policies	24
■ Define or assign data stewardship	19

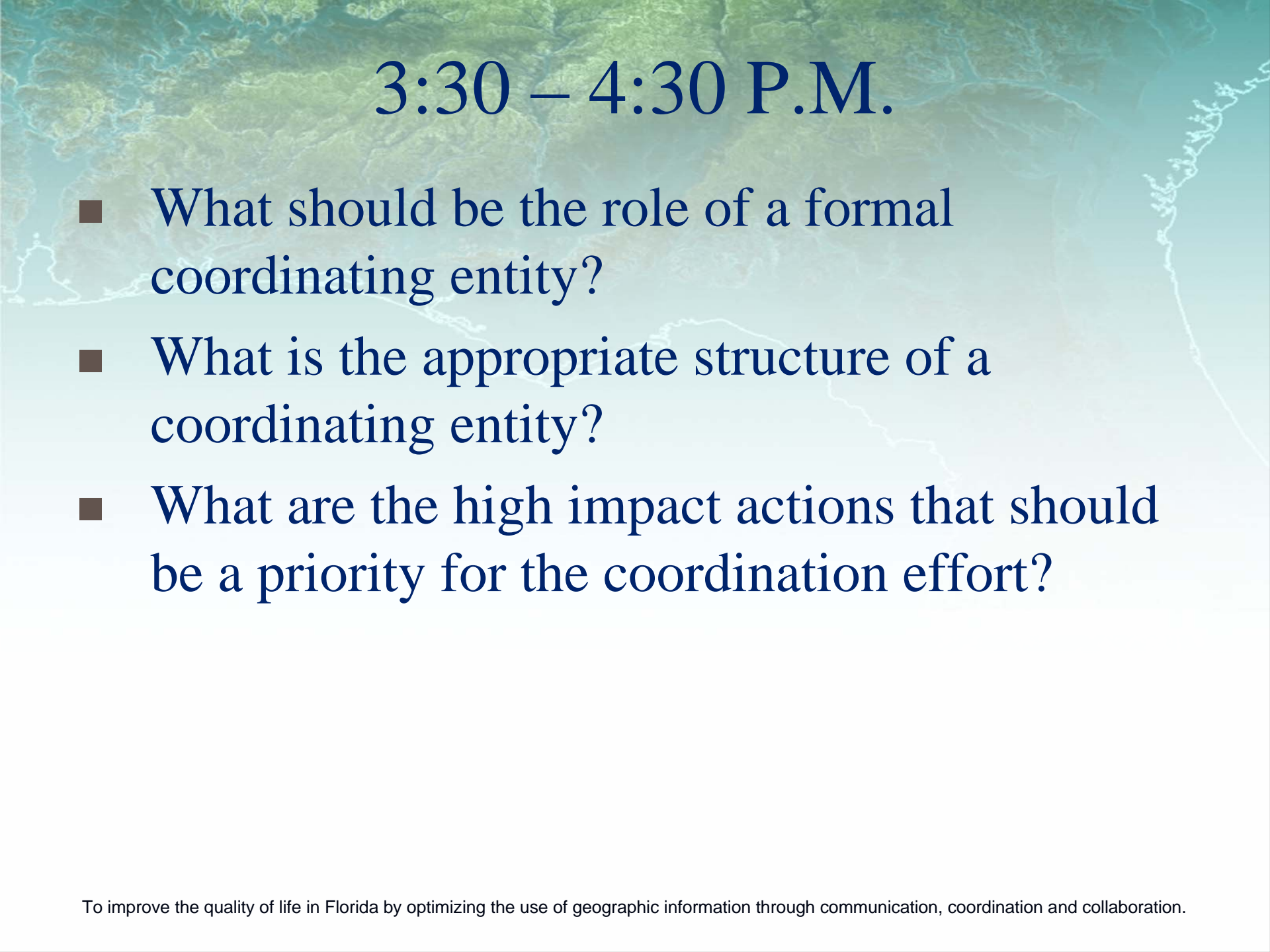
What We Hear...

- We need to communicate, not dictate
- We need to coordinate, not capitulate
- We need to collaborate, not dominate
- We need to codify, not combine
- Excellent progress has been made across this great state, and excellent work continues everyday
 - Think about how we can gather from within existing frameworks to better inform, instruct, and provide these services
 - Florida must be a player on the national stage
 - Together, we can help her get there
- We need your participation

An aerial photograph of the state of Florida is shown, with a semi-transparent blue overlay that covers most of the landmass. The overlay has a subtle, wavy pattern, possibly representing water or a specific geographic feature. The text is centered at the top of the image.

2:00 – 3:15 P.M.

- What is working well today in coordination and collaboration in GIS?
- What is not working or could be improved?
- What opportunities are presented by successful coordination?
- What will Florida lack if we do not implement an effective GIS Coordination process?

An aerial map of Florida is shown in the background, overlaid with a semi-transparent teal color. The map shows the state's outline and major geographical features like rivers and the coastline.

3:30 – 4:30 P.M.

- What should be the role of a formal coordinating entity?
- What is the appropriate structure of a coordinating entity?
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