

# NAS Patuxent River Environmental Department



## Enterprise Environmental Approach: Sampling Tool

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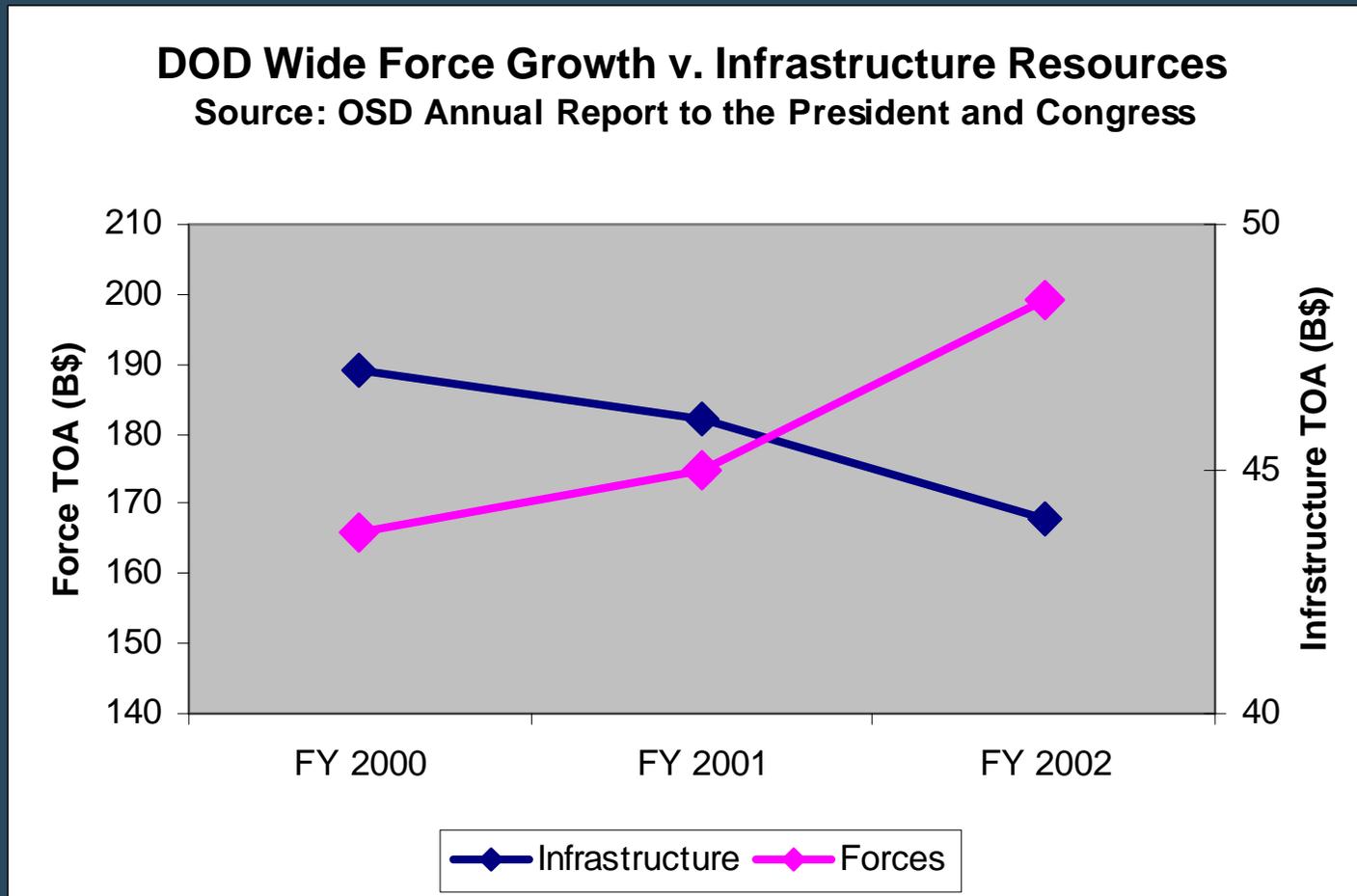
# Introduction

- We are applying an Enterprise approach to environmental processes
- Sampling demonstrates this approach

# Agenda

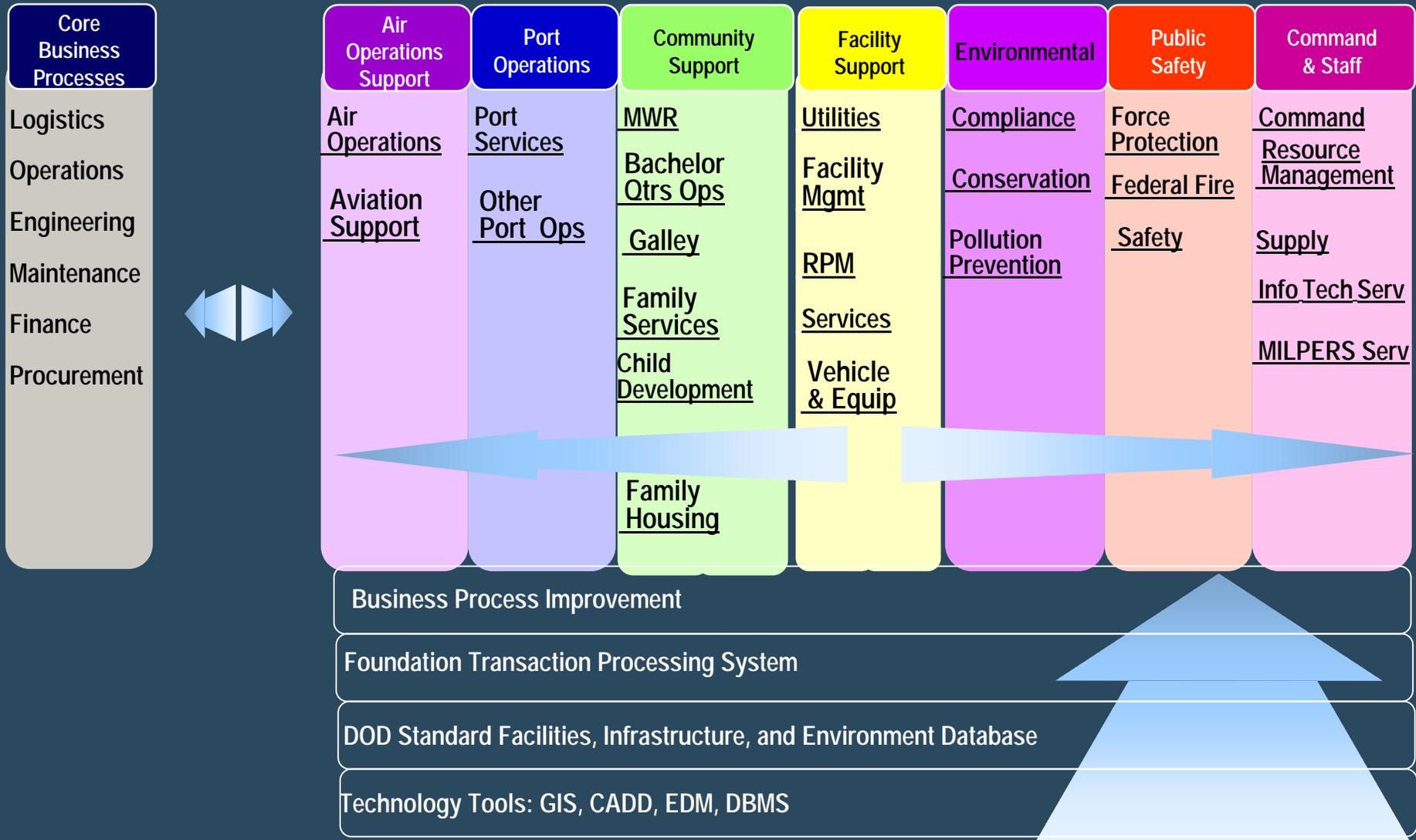
- Enterprise Approach
- Achieving Breakthrough Performance
- Environmental Examples
  - Environmental Sampling tool
- Integration
- Lessons learned
- Benefits

# Resourcing Trends



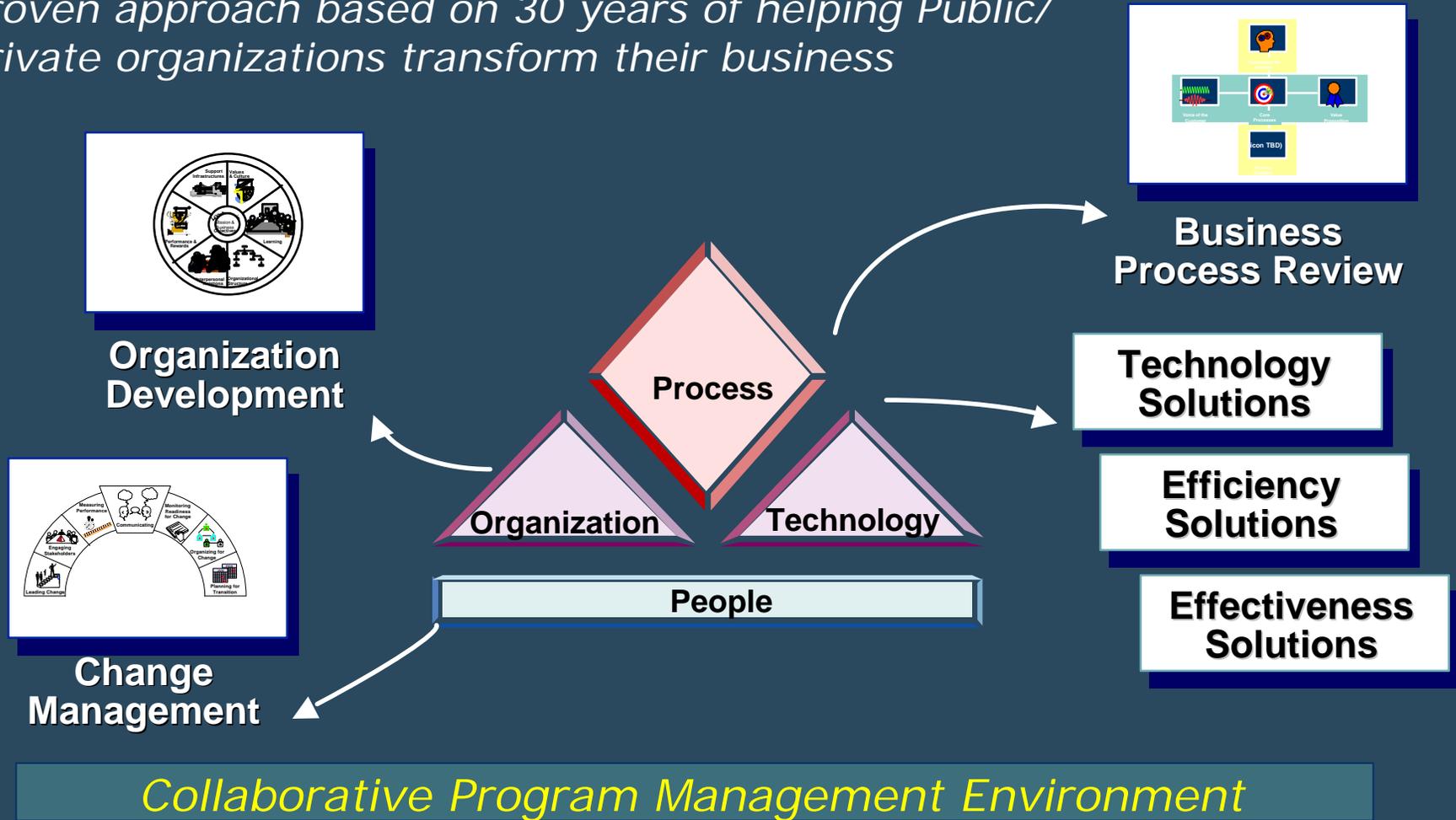
*Up tempo operations and increased requirements to achieve CNO objectives (readiness, quality of life and quality of work) must be met with decreased resources*

# Enterprise Solutions Approach



# Achieving Breakthrough Performance

*Proven approach based on 30 years of helping Public/Private organizations transform their business*



# Examples of Enterprise Approach Concept

- Activity Based Costing model of Environmental Resources
- Analysis and Documentation of As-Is and To-be Environmental Review Process
  - Business Process Model
  - 100% electronic workflow goal
- Use Case scenarios of Environmental Sampling process
  - Thin client development precursor

# Asking ourselves tough questions...

- Are we Compliant?
- Who really needs to be Compliant?
- What does it cost to be Compliant?
- How can we maintain Compliance?
- How can we eliminate non-Compliant processes?

# Our Compliance Concept

- Environmental Compliance “Work” includes more than just Inspections:
  - ✓ Inspections
  - ✓ Permits
  - ✓ Plans
  - ✓ Reports
  - ✓ Instructions
  - ✓ Regulations
  - ✓ Checklists
  - ✓ Etc.

# Where does Sampling fit?

- Plan projects
- Define limits
- Provide definitions
- Describe physical boundaries
- Tell a story
- Answer questions

= **Maintain  
Compliance**



# Sampling Process

Identify Requirement

Create/update specifications

Generate request and work item

Obtain contract approval

Send order to Lab

Receive data

Review Results

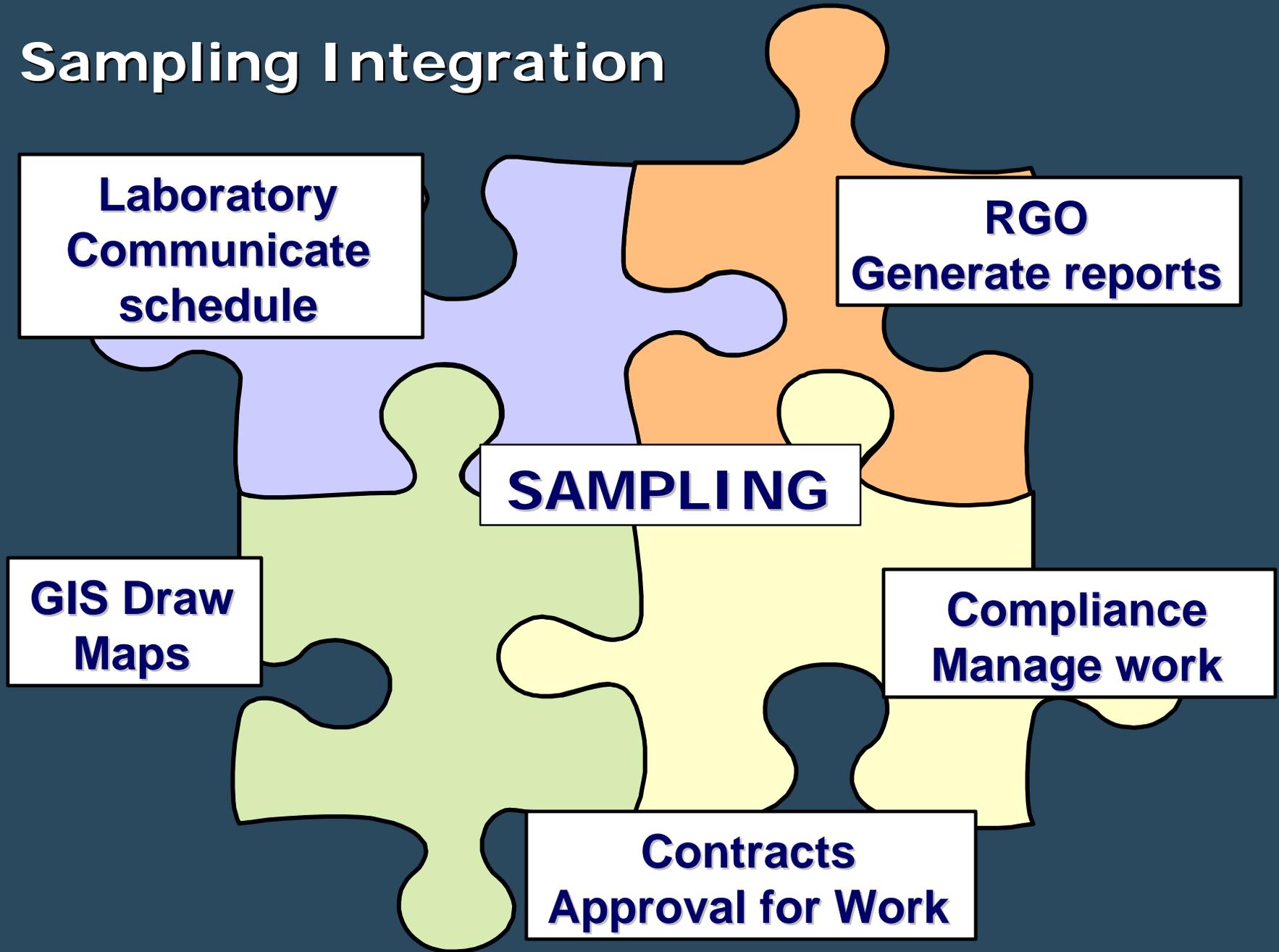
Complete Compliance  
reporting requirements



# Sampling thin client tool

- NMCI drives us to thin client
  - Economical driver
  - Enhancement? Constraint?
- Other reasons for web development
  - Task Force Web
  - FAM
- Sampling function is a critical tool, but dependant on many factors

# Sampling Integration



# What's Next?

- Develop more fully integrated tools



**Development**



# Challenges

- Difficult to develop sound improvements in a continuously changing environment
  - New requirements emerge
  - Mitigation: Define existing and anticipate future requirements before applying the technical solutions
- Should we wait to develop when change decreases?
  - Mitigation: Implement improvements that offer the highest return on investment

# Lessons Learned

- May not be able to grow when resources reduced, but opportunities for improvement still exist
  - Focus on **increasing efficiencies** (i.e. decrease job time)
- Continue to gather data that will **justify resources**
  - Compliance priorities
- Get into planning mode
  - **Proactive** instead of **reactive**
- Maintain bigger picture approach (**Enterprise**)
  - develop **commonalities** first, then identify differences
  - Long term vision encourages **web based environments**
- Develop a "**common vision**" of the **functional requirements**
- Define the **requirements** before applying the **technical solutions**

# Benefits

- Updated technology
- 100% Electronic Workflow (paperless)
- Improved justification of environmental budget requirements
- Prevention instead of reaction
- Informed decisions based on data (maintain and plan)
- New development critical to environmental performance and across enterprise