

# Fisheries Information System (FIS)

## **FIS Program Architecture**

Project Manager: Tina Chang, John Witzig

Date: 20 July 2007

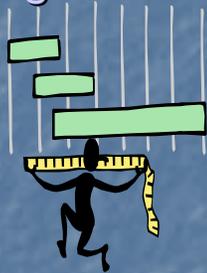
# Project Description

FIS Program Architecture defines a comprehensive business environment and architecture for the FIS program. It will analyze the national FIS program business components and business process, reporting requirements, and will provide a full picture of the FIS program path. Laying out the FIS architecture will help improve the FIS program and better manage fisheries information.

# FIS Program Architecture – Present System

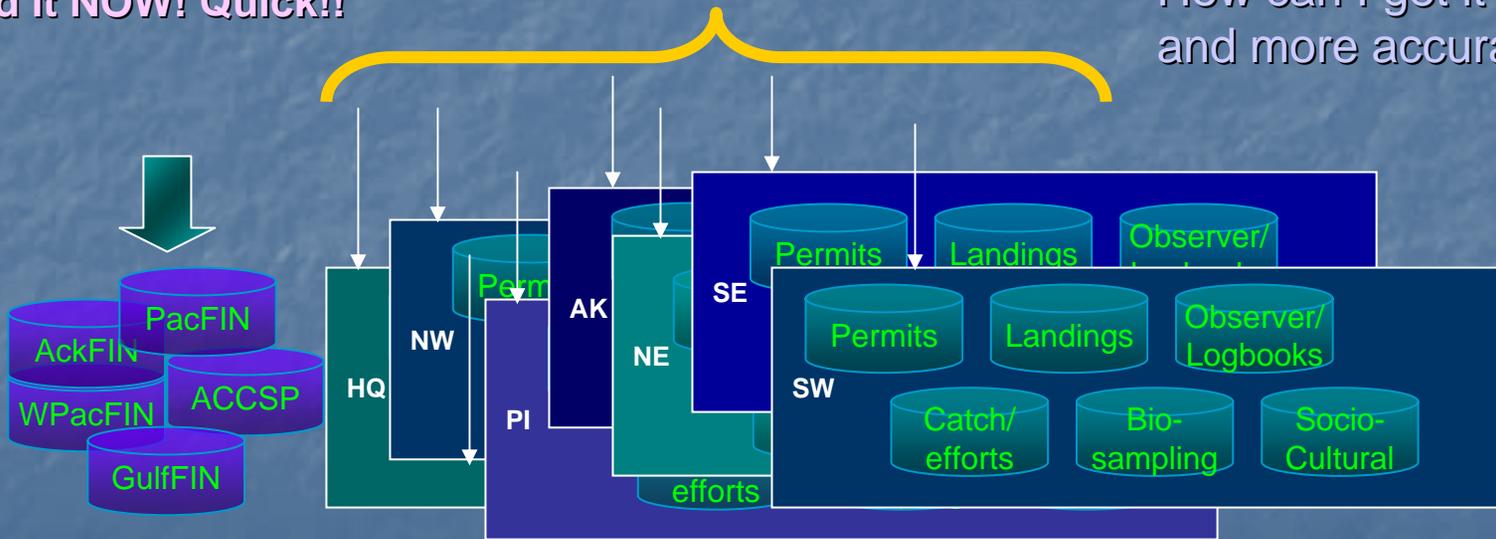
I am converting codes!!

We need a little more time!

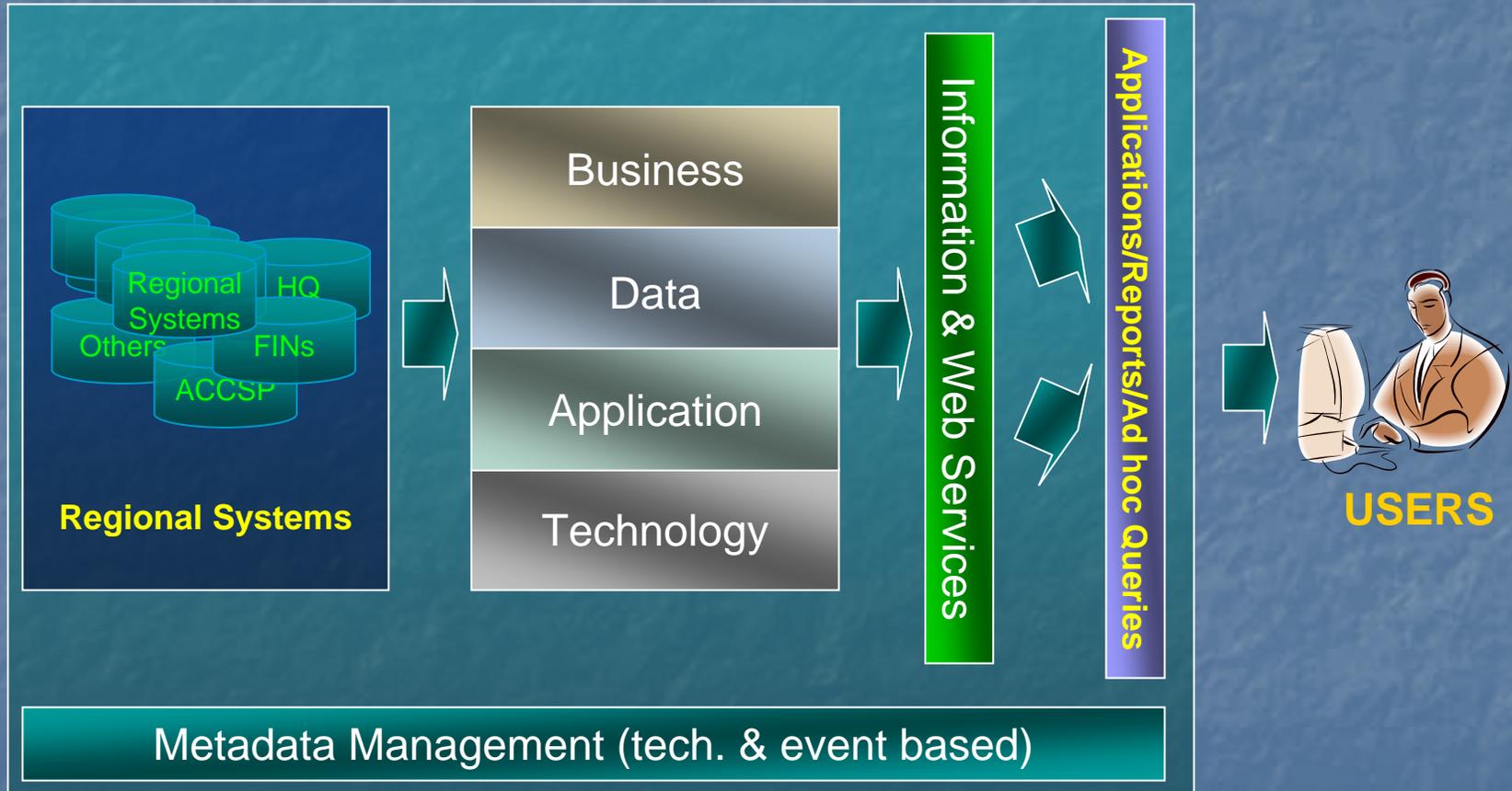


Need it NOW! Quick!!

How can I get it faster and more accurate?



# FIS Program Architecture – Program Structure



# Project Objectives

- Identify current business process, data architecture, common practices, and program IT infrastructure
- Identify regional/partner program procedural and data commonality and gaps
- Address data standards and data policies to support national FIS and regional program needs
- Identify national applications/tools and best practices in supporting regional programs
- Develop technology infrastructure for the program

# Staff Involvement

## Core Team

- Tina Chang
- Josh Findley, HQ
- John Witzig, NE

## Support Team

- Al Coan, SW
- Joe Hudicka, HQ
- Debbie Sinmao, PMO

# Project Approach

- **Prepare business analysis process**
  - Determine Strategy with participant organization
  - Develop regional FIS evaluation survey questionnaires
- **Field interviews and survey of the existing program**
  - Review initial summary findings
  - Incorporate feedback
- **Develop As-Is Architecture**
  - Summarize regional interviews
  - Develop current business process, data elements & structures, applications & tools, and IT infrastructures
  - Analysis common business and data components and
  - Identify program and data gaps
- **Develop Target Program Architecture**
  - Address identified gaps
  - Define best and common business practices and process
  - Define minimum/core data standards
  - Promote best practices
  - Address data confidentiality and accessibility
  - Develop policies and standards as necessary for the program
- **Implementation**
  - Layout the roadmap for the program and define timelines and guidance

# Accomplishments/Outcomes

- Task: FIS Architecture, due date 09/30/2007
  - Formulated FIS business evaluation and assessment strategy/plan
  - Developed questionnaires & other Survey Methods
  - Coordinated with and visited to each of six NMFS regions
  - Preliminary regional meeting summaries have been sent out for review
  - Developed Comprehensive Per-Region Reports on current system architecture
  - Completed detailed regional as-is architecture for SE, NE, and NW.

## Key Benefits

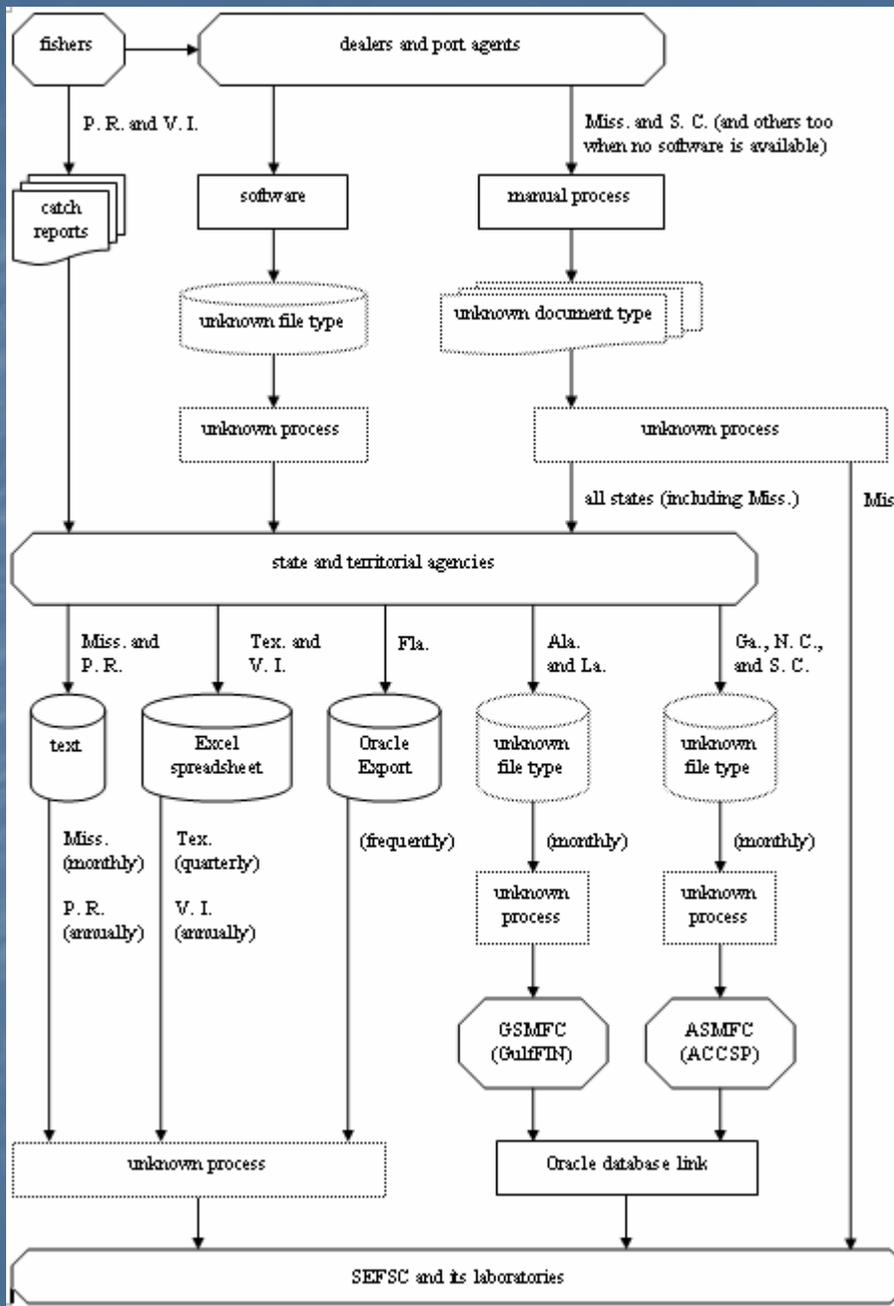
- National view of available business processes, data elements, and applications
- Comprehensive and consistent view of national architecture and information components
- Regional and national best practices
- Better understanding program data and procedural gaps
- National view of data standards to improve cross-regional and national collaboration and information sharing
- Supporting program catalog process and updates
- Transparent business process and FIS program milestones and priorities
- Assisting regional program improvements

# Future Plans

- The FY08 FIS Program Architecture Project will:
  - Complete the As-Is Architecture
  - Identify common data elements based on national/common reporting requirements
  - Identify program business and data gaps
  - Identify national/cross regional reporting needs and structure
  - Design target FIS data model for various project components
    - Catch up with Permits and CLI, and other existing national level programs
    - Design and interface with other FIS data systems such as: Observer, catch/discard, logbooks, socio-economic, recreational data, vessel information
  - Continue collaboration with FIS metadata process
  - Complete the code standards for Gear, Species, Disposition, and Geo-locations

Questions?





# Future Plans

## — Building Flexible Service Architecture

