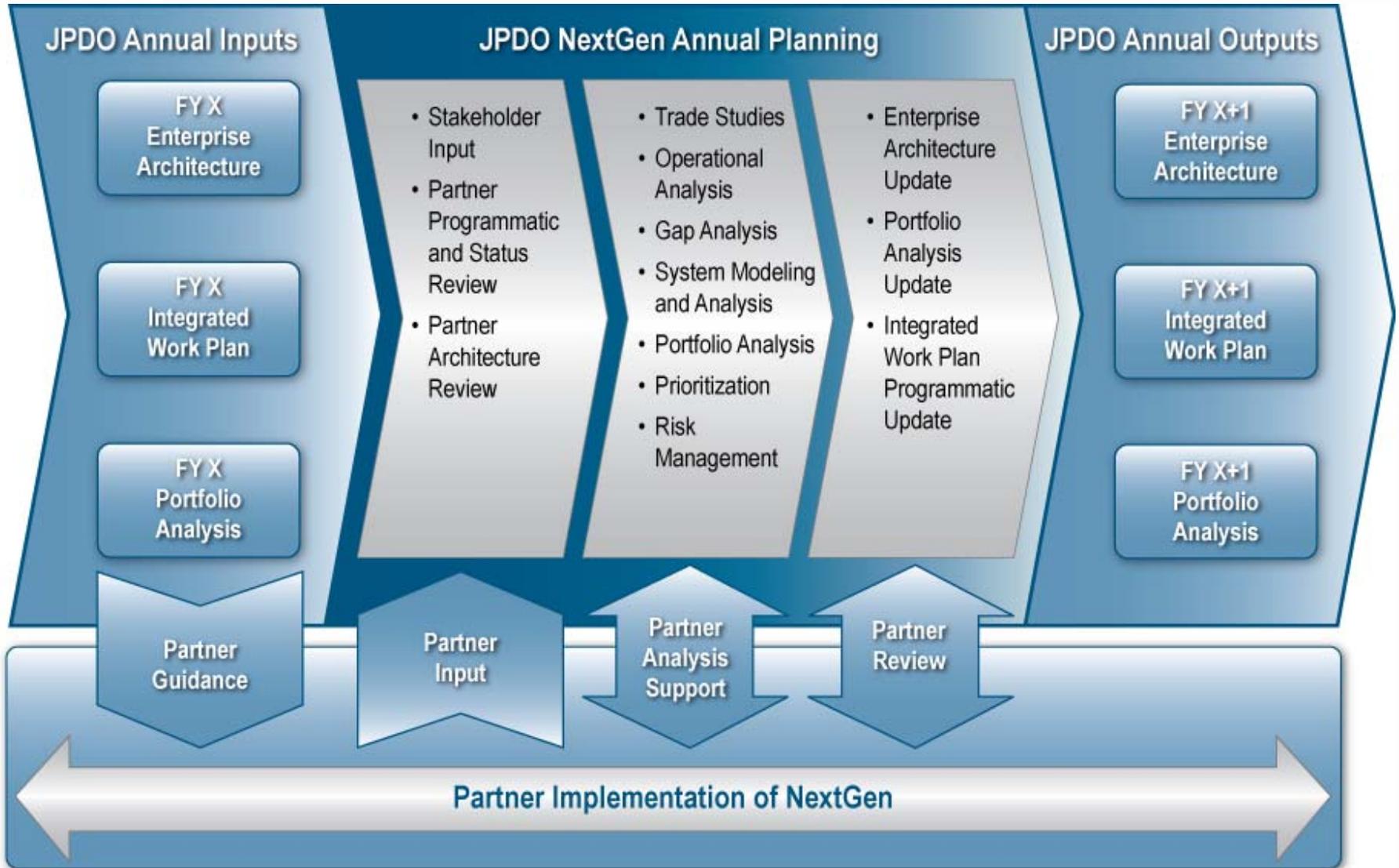


# The NextGen Integrated Work Plan

Edgar G. Waggoner  
Director,  
JPDO Interagency Architecture and  
Engineering Division  
April 28, 2010

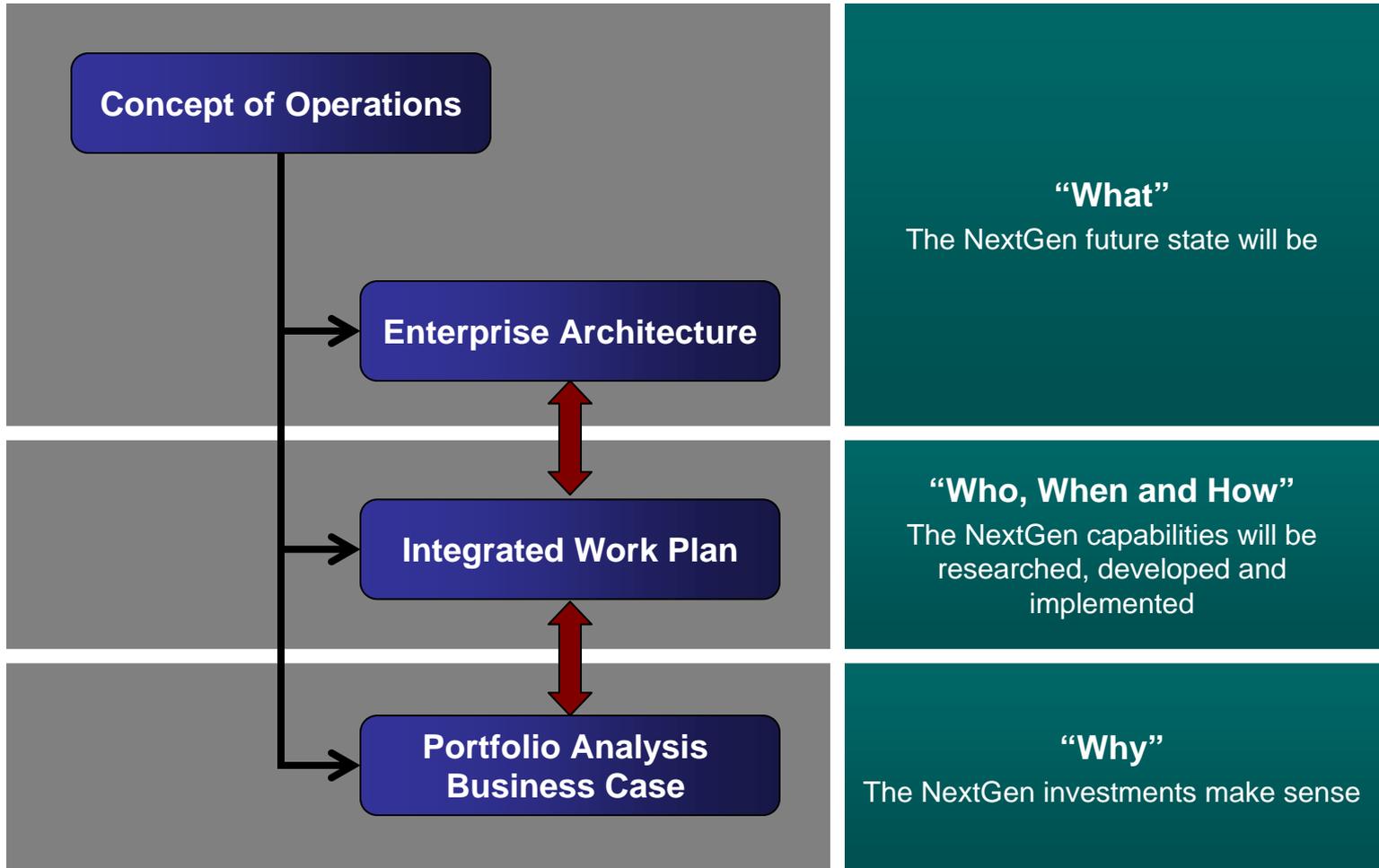
# Outline

- JPDO's NextGen Annual Planning Process
- Overview of the Integrated Work Plan
- Introduction to the Joint Planning Environment

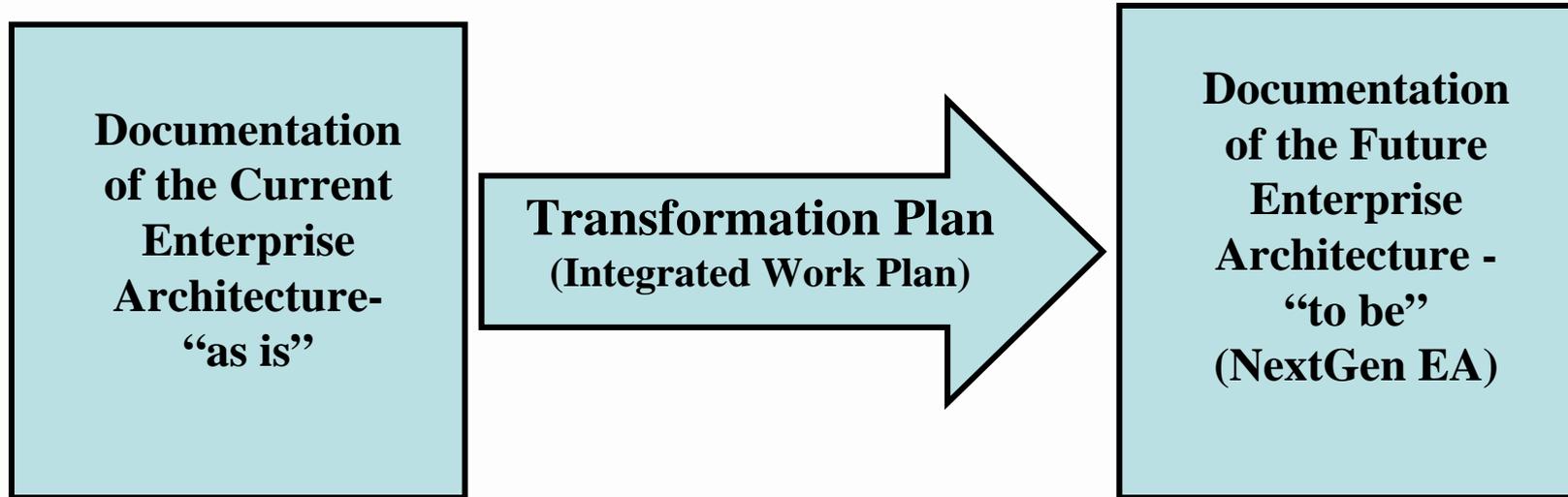


0013b\_JPDO\_Annual\_Planning

# Hierarchy of Products



# Enterprise Architecture Integrated Work Plan



# The Integrated Work Plan

- Provides an integrated framework to achieve the NextGen vision across all major development partners
- Builds upon the framework presented in the 2004 Integrated Plan
- Describes the transition from the current to the end-state defined in the NextGen Concept of Operations and the Enterprise Architecture
- A dynamic instrument continually refined and enhanced to reflect current priorities, budgets, and programs

**IWP is a JPDO advocated pathway to achieve NextGen**

# Integrated Work Plan Organized Around Capabilities



**Collaborative Capacity Management**



**Coordinated National & Homeland Security**



**Collaborative Flow Contingency Management**



**Improved Environmental Performance**



**Efficient Trajectory Management**



**Improved Safety Operations**



**Flexible Separation Management**



**Flexible Airport Facility & Ramp Operations**



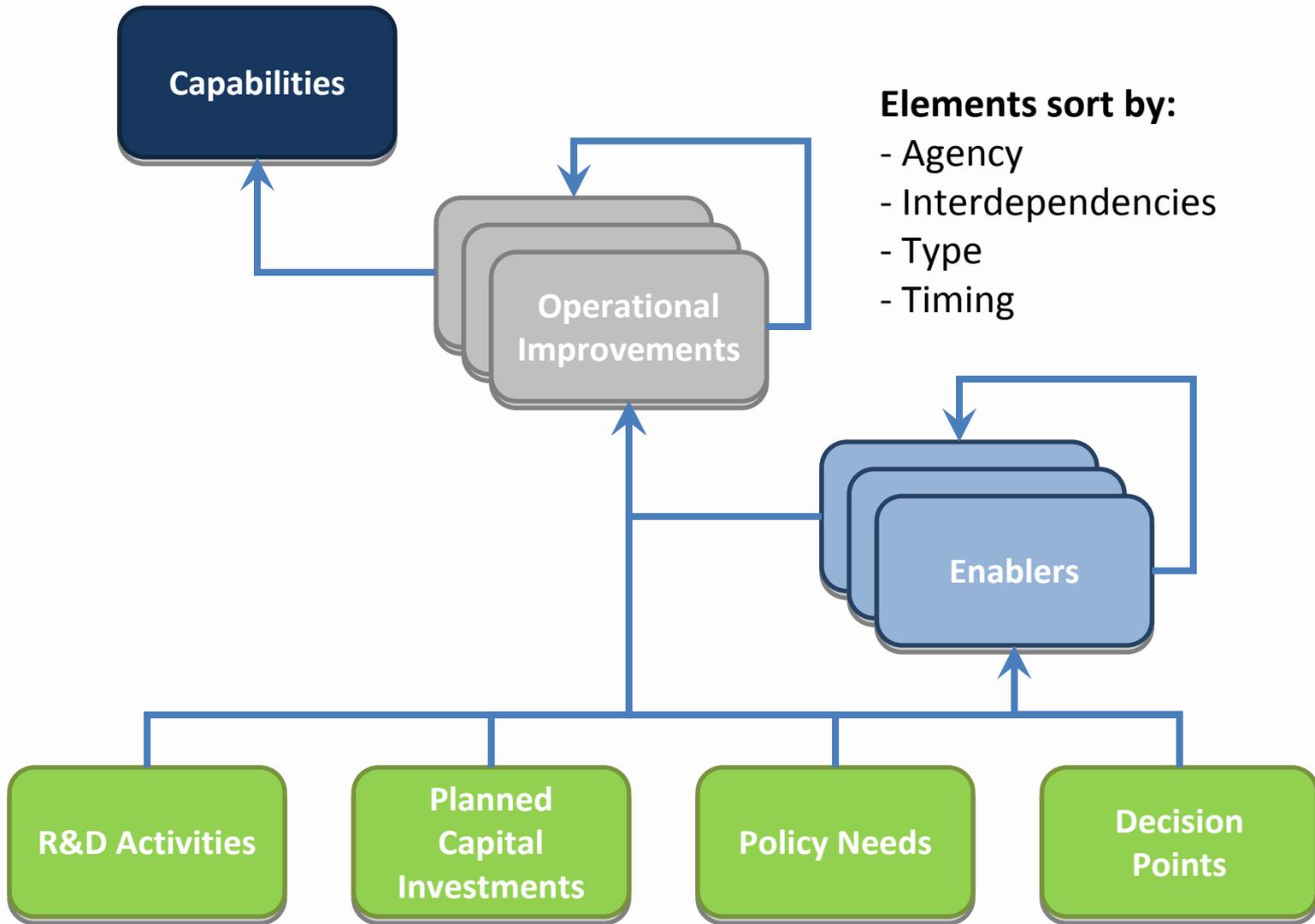
**Integrated NextGen Information**

# IWP Data Elements

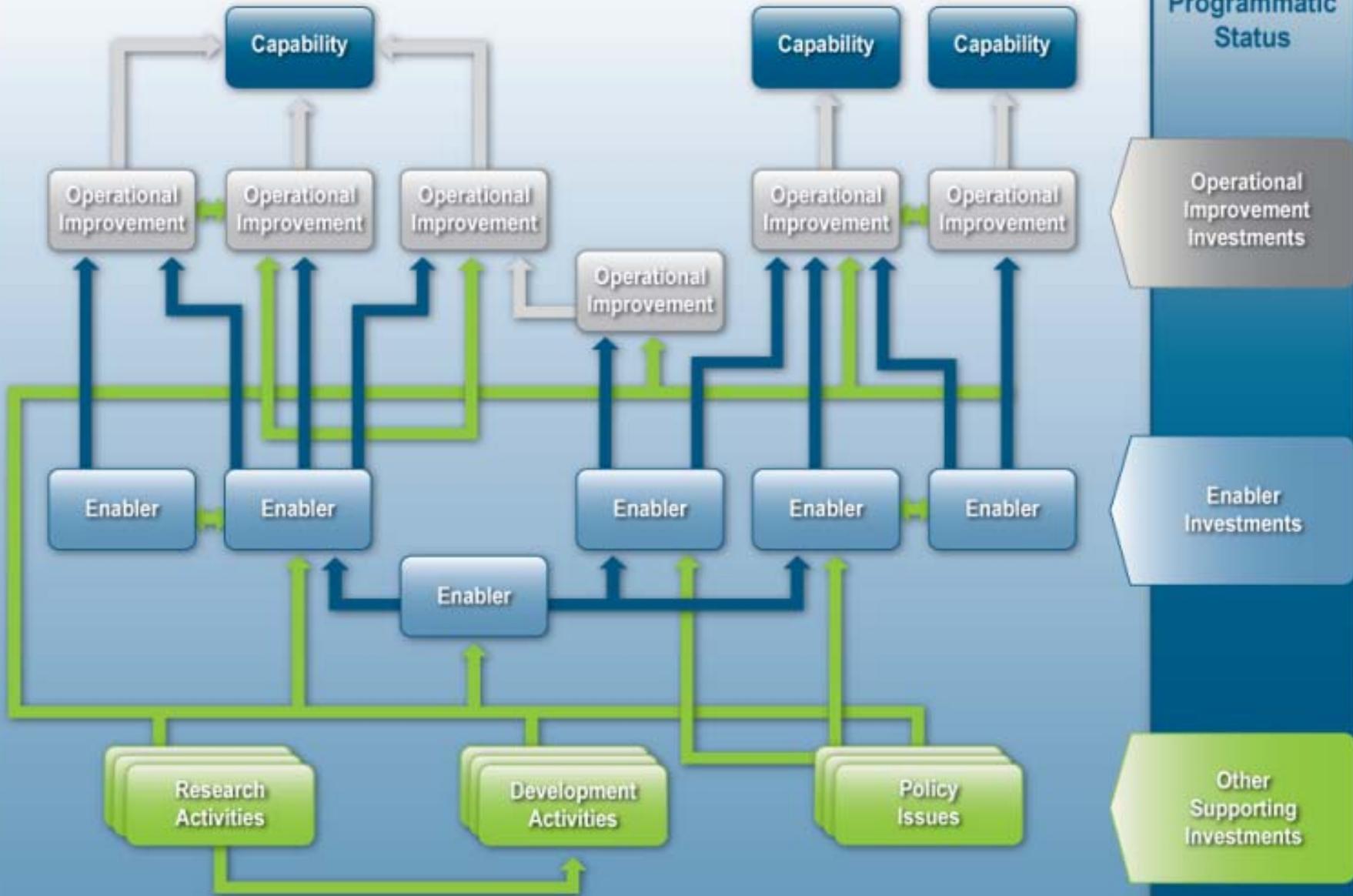
- Operational Improvements
- Enablers
- Development Activities
- Research Activities
- Policy Issues

- Title and ID
- Description
- Target Planning Date
- Suggested Organizational Alignment
- Dependencies
  - Predecessors
  - Successors

# Integrated Work Plan Data Elements



# Integrated Work Plan Planning Elements



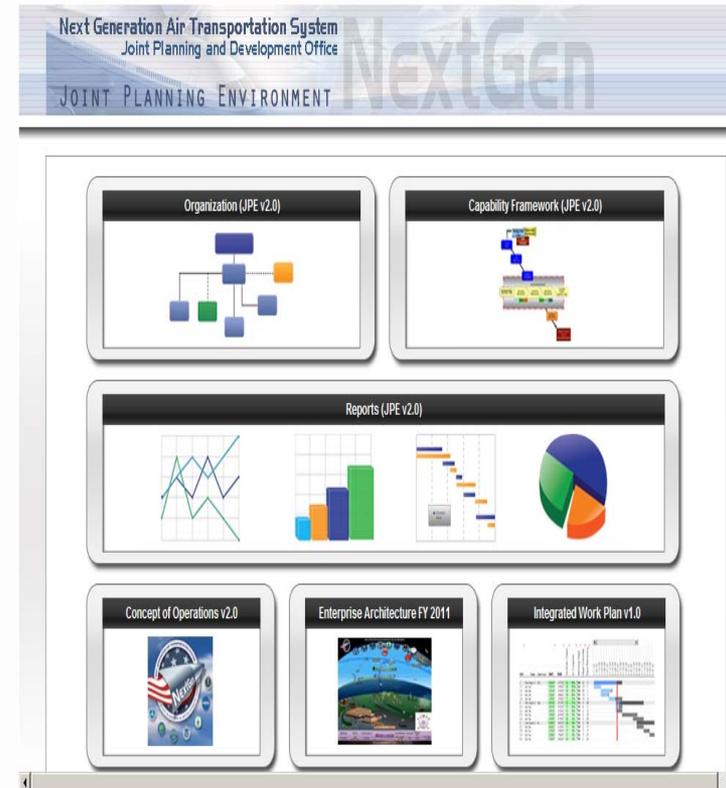
# Key IWP Interagency Challenges

- **Validation of IWP Elements**
- **Monitoring of IWP Elements**
- **Interagency Transition**
  - **“Exit and Entrance” Criteria**
- **Global Harmonization**

# Joint Planning Environment (JPE)

**Vision:** JPDO requires an enterprise information management capability for informed, responsive decision-making and decision support

- A decision support system is required to provide:
  - Analysis of alternatives and what-if scenario generation
  - Optimization of NextGen benefits
  - Manage the JPDO enterprise and communicate NextGen using a common data set and integrated, tailorable “views” (reports) for the most effective and efficient use of JPDO resources



# Key Analysis Requirements

- Provide broad access to NextGen plan data
- Integrate information across stakeholders, agencies and JPDO
- Governance – manage, track data changes, baselines, etc.
- Bring together large sets of information and data scattered throughout the JPDO, partner agencies and industry.

# Functionality of the JPE

- Search, Query, and Export
- Information Visualization
- Decision-Support and Reporting

# JPDO Products Summary

- The ConOps provides a vision of NextGen in prose
- The Enterprise Architecture documents NextGen in structures that are accepted and used by Federal agencies
- The IWP provides a comprehensive dataset that describes a transformational path to NextGen
- The JPE provides the ability to tie these foundational documents and other NextGen data together in a robust decision support system

<http://jpe.jpdo.gov/ee/>