



“Build to Share”

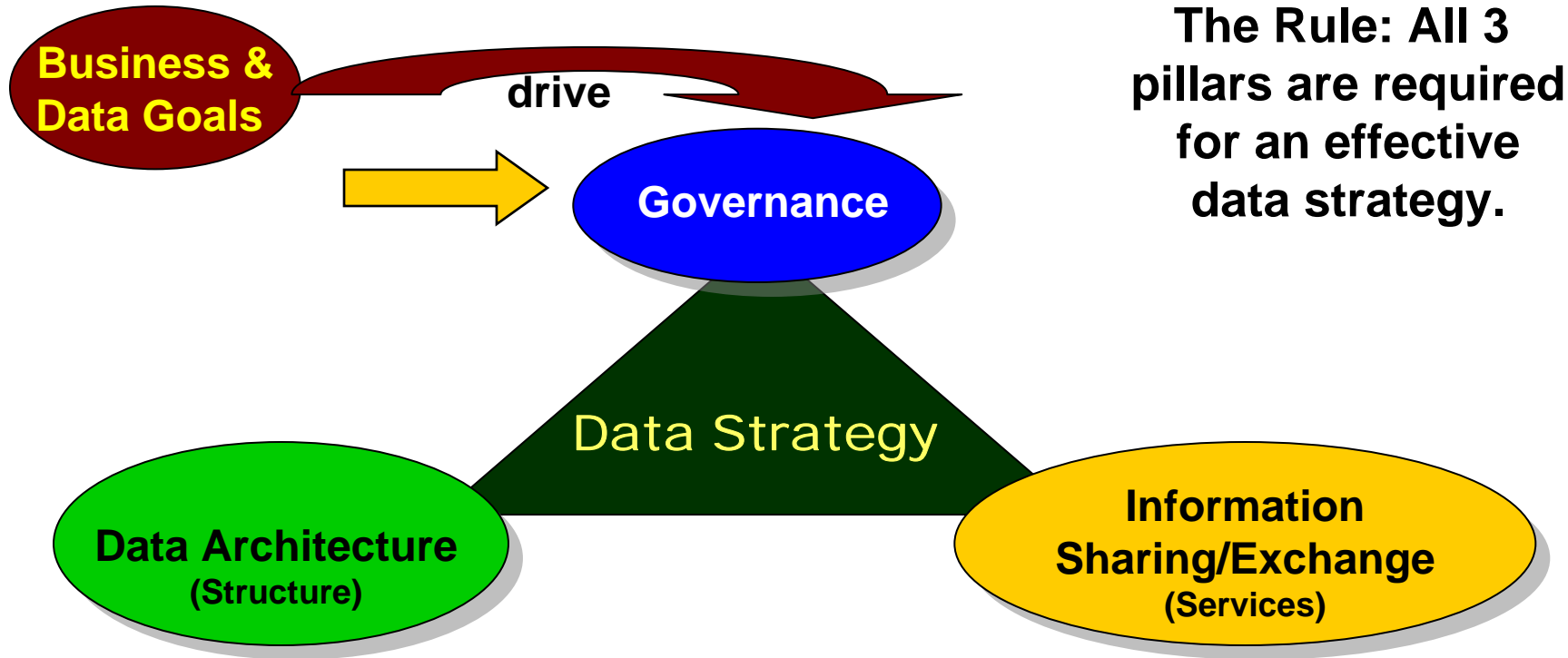
*U.S. Federal Enterprise
Architecture
Data Reference Model
(FEA DRM):
Data Governance
Strategy
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The Federal 3-Pillar Data Strategy Framework



The Rule: All 3 pillars are required for an effective data strategy.

Goals drive; governance controls; structure defines; and services enable data strategy.



Federal Data Governance

◆ Data Governance encompasses the people, processes and procedures required to create a consistent, enterprise view of an organization's data to:

- Promote information sharing
- Improve confidence and trust in data used in decision-making
- Make information accessible, understandable, and reusable
- Reduce cost and duplication
- Improve data security and privacy



Data governance is needed to help agencies determine how they will manage the data relevant for business objectives.

The right information to the right people at the right time!



Components of Federal Data Governance

- ◆ Federal Data Architecture Subcommittee
- ◆ Communities of Interest (COI)
 - Collaborative group of stakeholders who require a shared vocabulary and structure to exchange information in pursuit of common goals, interests, mission or business process
 - Empowered by President Management Agenda (Federated Lines of Business) and Agency E-Government Initiatives
 - Members include:
 - Tribal, local, state, federal, public, private and other non-government organizations.
 - Cross functional members including data consumers, producers, program managers, application developers, and data sharing governance groups



COI Objectives

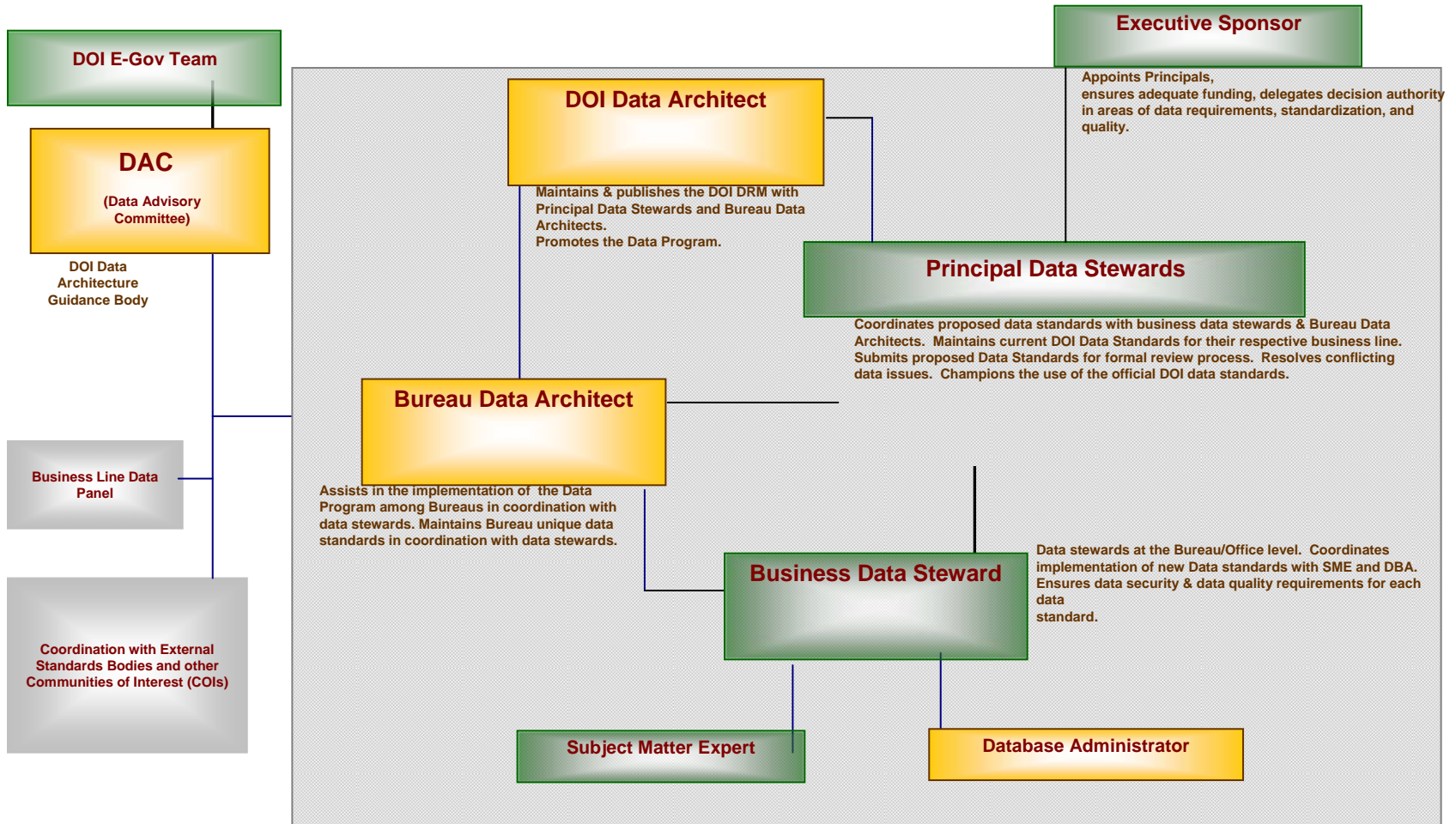
◆ COIs facilitate:

- Data sharing through common COI vocabulary
- Establishment of consistent data management processes
- Preparation of integrated data access plans or information exchange schemas
- Development of information exchange agreements
- Brokerage of conflict resolution among data stewards
- Identification of Authoritative Data Sources (ADS)

COIs work to resolve common issues affecting their communities and develop solutions to promote information sharing.



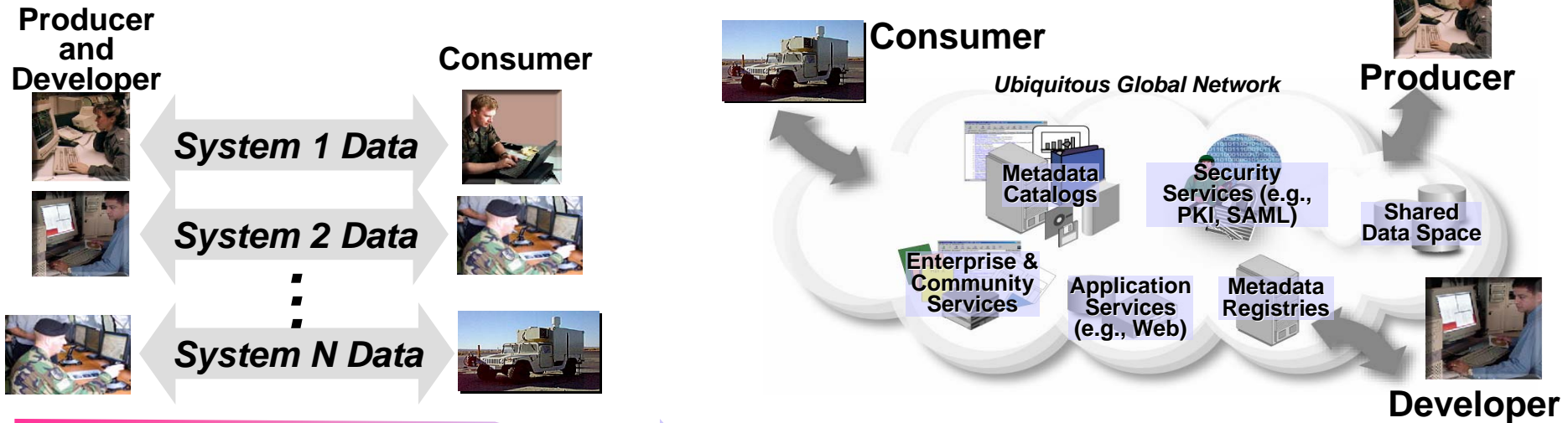
Example: DOI Data Governance Bodies



Yellow = IT perspective Green = Business perspective Gray = a mixed perspective



Example: Enabling Net-Centricity – DOD Data Strategy



From Producer-centric:

- Multiple calls to find data
- Private data – only supports planned consumers
- Data translation needed for understanding when pulled from multiple sources

To Consumer-centric:

- Data is visible, accessible, governable and understandable
- Shared data – supports planned and unplanned consumers
- Shared meaning of the data enables understanding

Transition from disparate networks and within legacy systems to an enterprise information environment where known and unanticipated users can access information.



Example: Recreation One-Stop E-Government Initiative

- ◆ President E-Government Interagency Initiative led by DOI
- ◆ Requirements:
 - Share data among multiple Federal, State, Local and Commercial partners
 - Share data across multiple business lines
 - Data standards must be easily extensible to accommodate new requirements
 - Data sharing standards must be translated to a database and XML



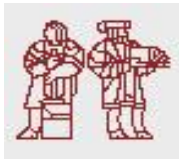
Recreation Community of Interest Members



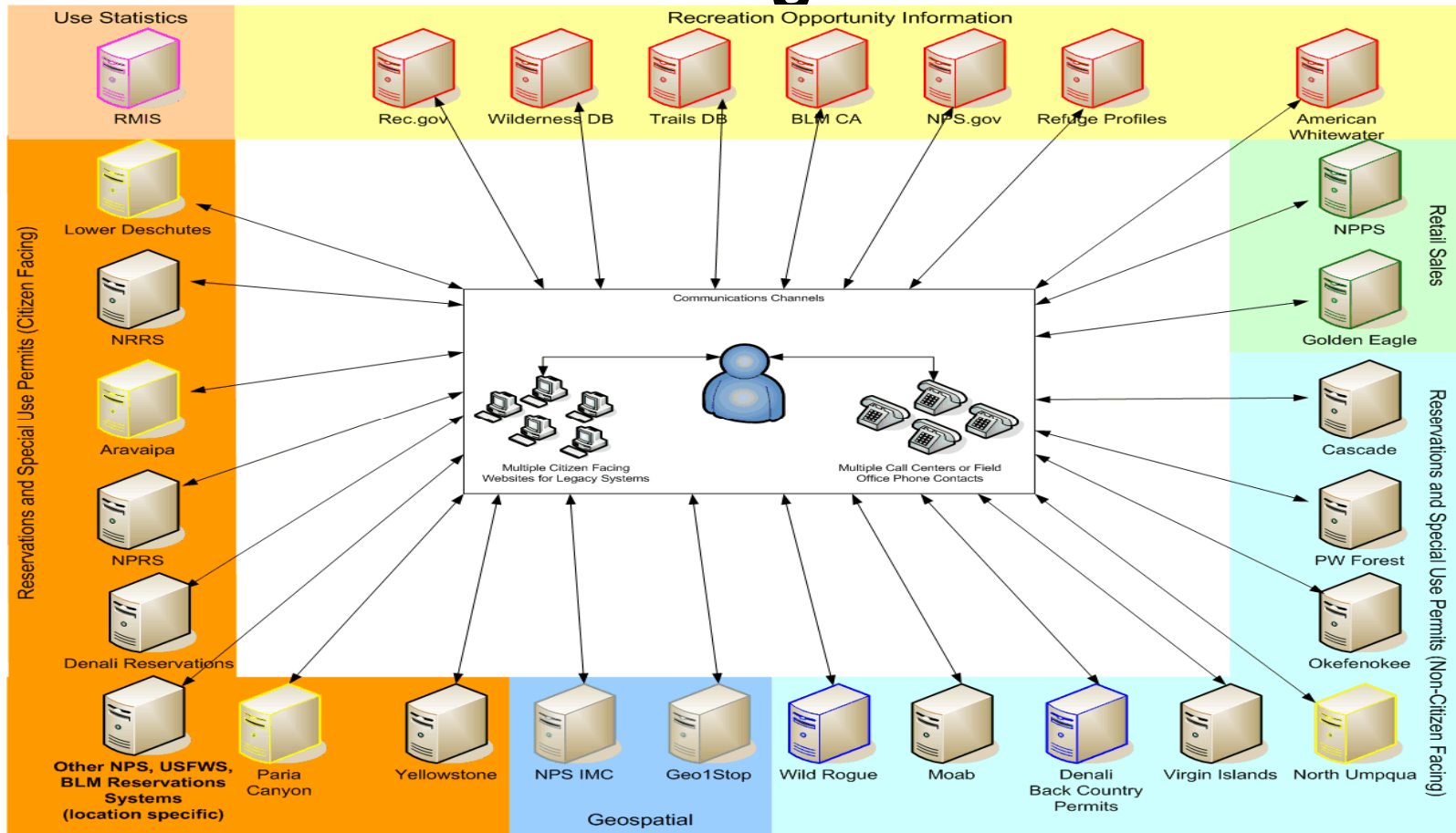
USDA



**US Army Corps
of Engineers**



Recreation One Stop Challenges



Recreation information is the most sought after information by the e-citizen. There are too many sources for Federal, state and local recreation information.

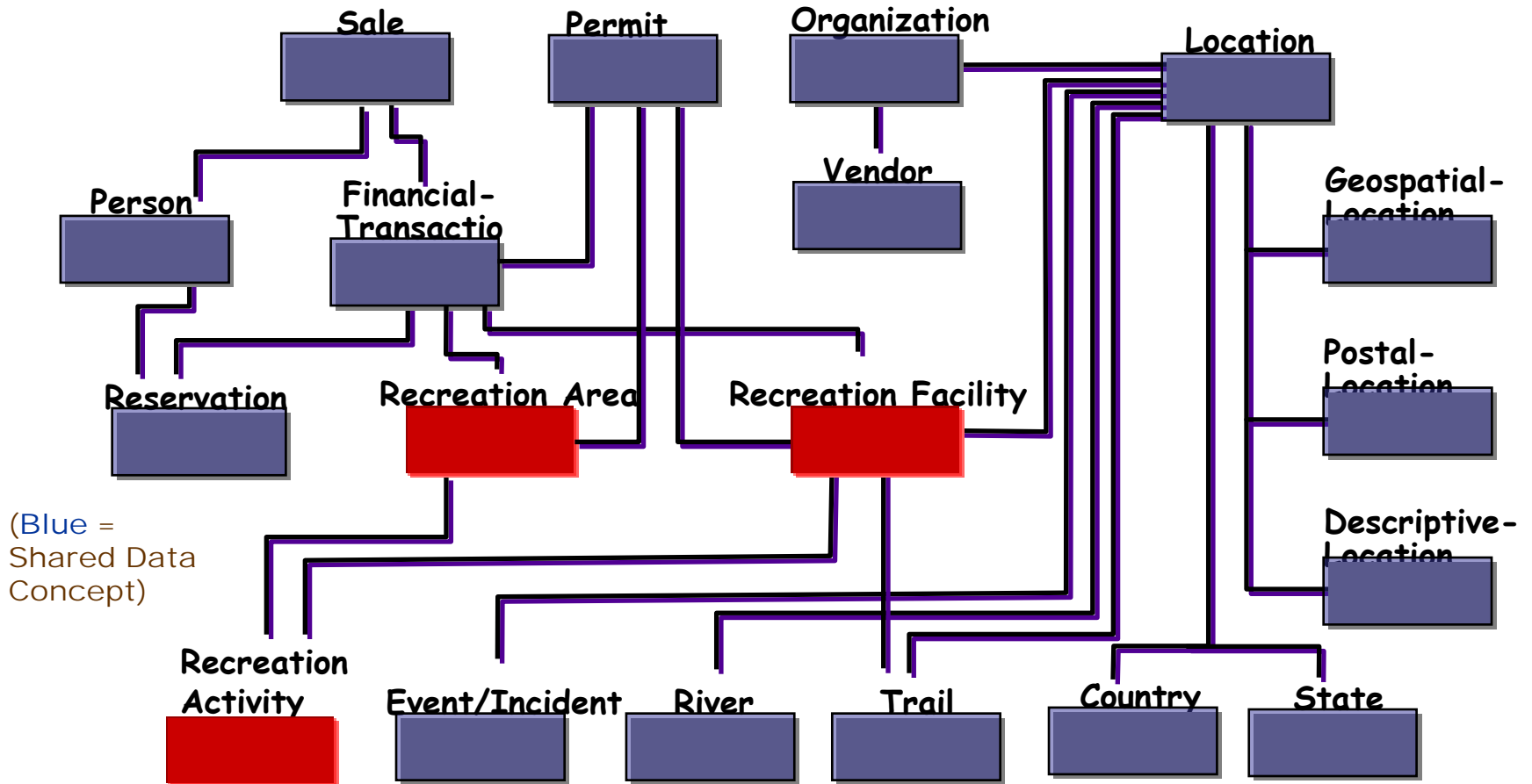


Example: Recreation One-Stop Governance Committees

- ◆ COI: Federal Recreation Providers
 - Recreation Executive Council
 - Members: Deputy assistant secretary level (DOI, USDA, & DOD)
 - Provide strategic perspective
 - Provide adjudication
 - Recreation Managers Committee
 - Members: Senior level Recreation Managers (Smithsonian, DOT, and 16 other agencies)
 - Set priorities
 - Provide requirements and resources
 - Various implementation teams
 - Adoption of data standards
 - Data Stewards
 - Data implementation



Example: Recreation One-Stop Findings

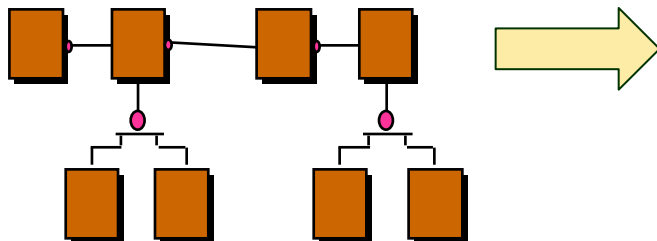


High percentage of data reuse identified across the COI.



Example: Recreation One-Stop Data Standards

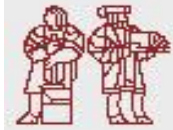
Recreation Model



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  <!--1 or more repetitions:-->
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Recreation Data Exchange Standard (RecML) is generated from the Recreation COI data model



Outcome: Data Sharing with Business Lines and Partners

- ◆ Recreation One-Stop
 - RecML was developed through an interagency coordinated set of discussions and vetted through state and local recreation partners.
 - RecML has evolved to include data such as recreation areas, sites, events, and activities.
 - Recreation information for federal, state and local managed properties is accessible from a single site.

Recreation.gov

Keyword/Phrase Search [] Go Advanced Search


Rappahannock River Valley National Wildlife Refuge

Description:
Rappahannock River Valley National Wildlife Refuge (NWR) is the newest of three refuges that comprise the Eastern Virginia Rivers National Wildlife Refuge Complex. Established in 1996, the goal of the Refuge is to protect 20,000 acres of wetlands and associated uplands along the River and its major tributaries. As of April 2003, the Refuge had protected 5,206 acres. With help from our conservation partners, including Chesapeake Bay Foundation, The Conservation Fund, The Nature Conservancy, and The Trust for Public Land, we have reached over 25% of our goal.

At least six federally-listed threatened or endangered species may be found within the Refuge boundary, including the American bald eagle, peregrine falcon, shortnose sturgeon, small whorled poponia, sensitive joint vetch, and swamp pink. Two of these, the bald eagle (nesting sites and roosting concentration areas) and sensitive joint vetch, are found on Refuge property. The state's largest wintering roost for bald eagles is located within the Refuge boundary.

Shorebirds, neotropical migrant songbirds, raptors, and marsh birds rely on the Rappahannock River's corridors during the spring and fall migration periods. The Refuge, its partners and volunteers are restoring native grasslands and riparian forests along the River and tributary streams to provide additional habitat for these species. Focal species/species groups for management include bald eagle, forest interior dwelling species (such as wood thrush and Acadian flycatcher), and grassland nesting birds (such as grasshopper sparrow and northern bobwhite).

Directions:
From Tappahannock, Virginia, take U.S. Route 360 east across the Rappahannock River. After the bridge, go 2.5 miles to Route 624 (Newland Road). Take a left, and proceed 4.2 miles to Route 636 (Strangeway Road). Take a left, go 0.3 miles and take a right on Route 640 (Sandy Lane). Stay on Sandy Lane for 1.1 miles to the Refuge entrance.

Managing Partner:
 National Wildlife Refuge System
338 Wilna Road
Warsaw, VA 22572
Phone: 804-333-1470
Email: fw5va_evrwr@fws.gov

Additional Information
[Rappahannock River Valley National Wildlife Refuge Web Site](#)
[Virginia Tourism Site](#)

Weather Information
Weekly National Weather Service Forecast for Warsaw, VA.

Wood ducks at Rappahannock.

Online Recreation Maps



Source: ESRI, GDI
Map: Rappahannock River Valley National Wildlife Refuge

Recreational Opportunities

Data sharing across business lines and with partners (e.g. AAA) and services provider (Reserve America) is done by leveraging RecML.



Questions

