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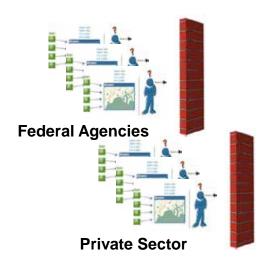


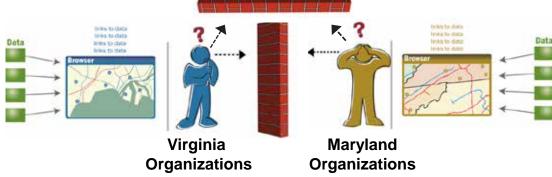
### Achieving Interoperability

Still need ability to easily & securely share situational awareness information:

Across NCR States & D.C.

Setween agencies at different levels of government with common response missions





D.C.

**Organizations** 











## Achieving Interoperability



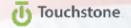


















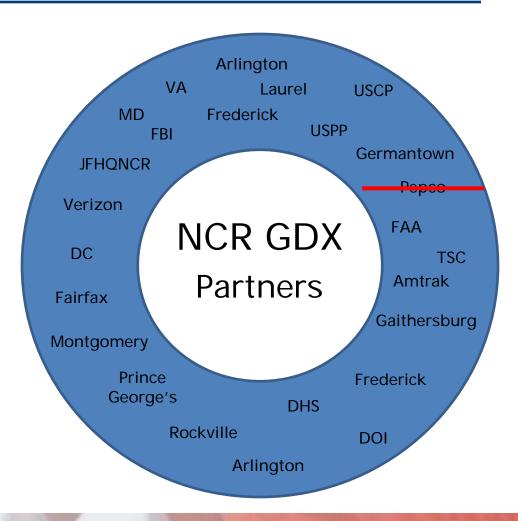
### Achieving Interoperability

#### vUŞA Hierarchy

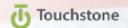
Federal

StateLocalAgency















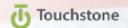
### Nation Capital Region Geospatial Data Exchange Project

Grant from U.S. Department of Homeland Security (DHS)

#### Purpose:

- § Establish secure ability to share data across MD-VA-DC region
  - Between jurisdictions, levels of government and organizations
  - Between agencies and responders
- § Exploit live web services to discover and consume data
- § Build upon existing interoperability initiatives
- § Use vUSA framework developed for DHS
- § Utilize input for MD-VA-DC Stakeholders to customize vUSA











### What is NCR GDX?

#### It is **NOT**:

- § Another data viewer
- § An alternative to an existing interoperability initiative or system
- § Not just for GIS











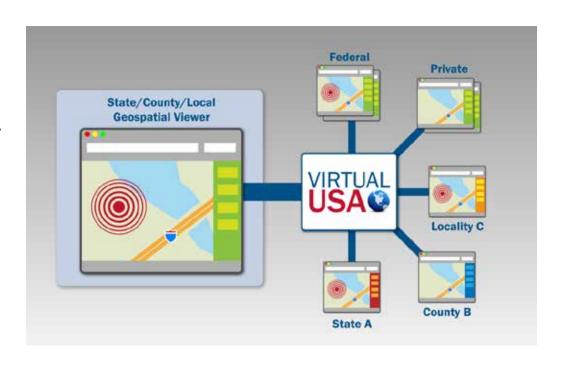
### What is NCR GDX?

#### It <u>IS</u>:

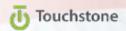
S An enabler of data

# A secure data exchange portal

- & web services
- **§** Supports:
  - GIS
  - CAD
  - WebEOC
  - Video
  - Static documents
- Secondary Accessible from within existing systems
  - VIPER,
  - EMMA,
  - ISAVE, etc.











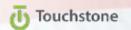


### **Data Sharing Security**

# NCR GDX provides 4 controls for achieving security around data sharing:

- § Share Time Limits
- § URL Proxies
- § Organizational Controls
- § Role-based Controls

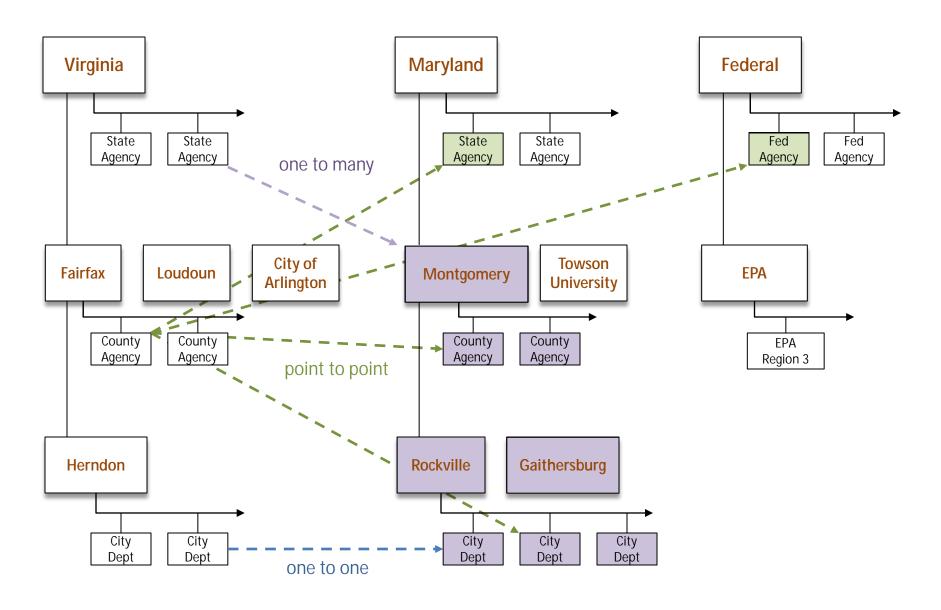








#### Data Sharing Security: Without Organizational Levels





### Publishing Data

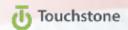
#### NCR Event Types

- § Kinds/categories of data needed?
- § Who has the data?
- § Who needs the data?

#### Types of Data to Publish

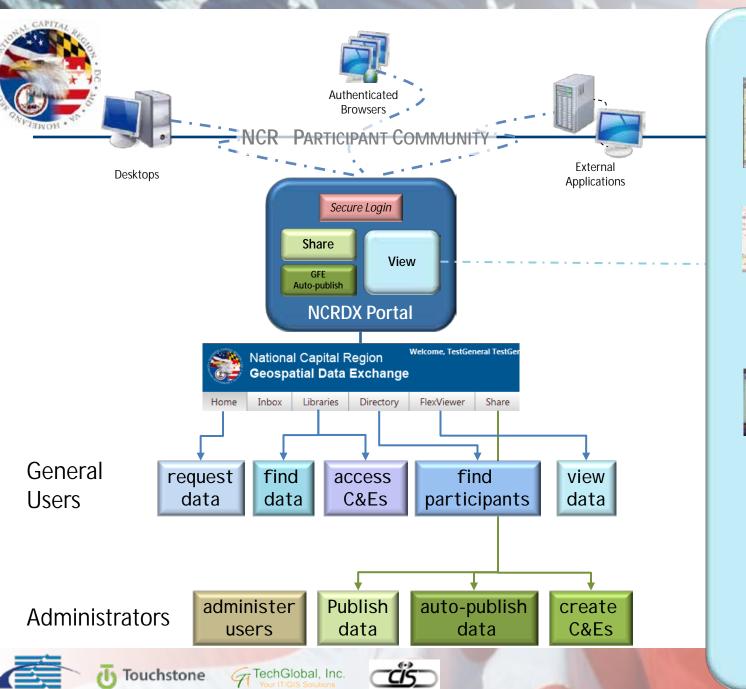
- GIS
- CAD
- WebEOC
- Video
- Static documents











#### **VIEW ACCESS**

From NCR GDX Portal



From Browsers



From External Apps



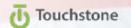
From ArcGIS Desktops





### Demonstration







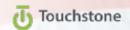




### Summary of NCR GDX Benefits

- Robust ability to publish, share and view data among all participants in NCR region
- Advanced information security features to protect sensitive data and sources
- Easy-to-use
- Ability to access via NCRnet or the Internet
- Ability to access from agency systems (VIPER, OSPREY, WebEOC, etc.)
- Create and join special purpose Communities and Events for regional planning and coordination
- Easy method to request data and making announcements
- Support for non-ArcGIS Server participants (ability to publish data feeds)













## National Capital Region Geospatial Data Exchange

This video provides an overview of the principles and goals of the National Capital Region Geospatial Data Exchange (NCRDX). The project draws from and builds on the experience of the national Virtual USA initiative. It enables faster discovery and exchange of critical information presented in a geographic context.



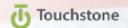
Registered Users		
Are you a member of a Metropolitan Washington Council of Governments jurisdiction or associated agency? If so, you can log in here or request a username and password for the NCR Geospatial Data Exchange.		
Username	Password	TO TO
hammelh	•••••	Login
		7 5
Request user access to NCRDX.		

#### Welcome to the National Capital Region Geospatial Data Exchange!

Regional Chief Information Officers and Geographic Information System Managers of the National Capital Region (Maryland-Virginia-DC) have identified a need to produce, maintain and share a set of common operating data. In response to this need, The Metropolitan Washington Council of Government's CIO Committee's Subcommittee for GIS has received a grant from the United States Department of Homeland Security to establish a National Capital Region Geospatial Data Exchange (NCRDX).



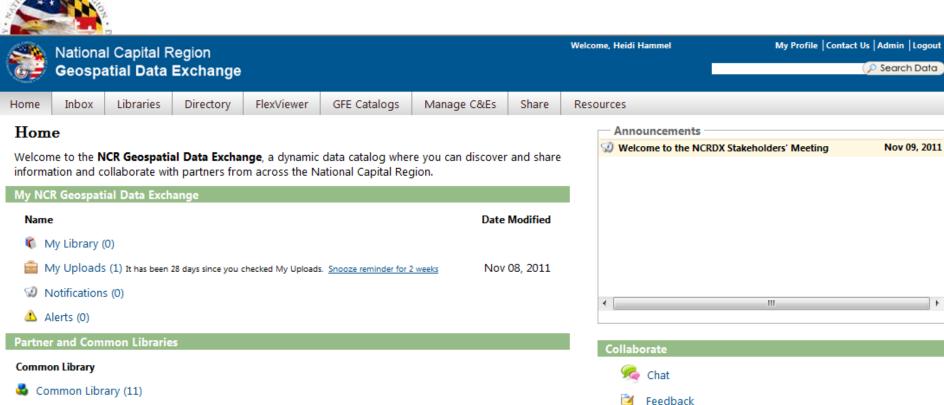








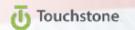






Partner Libraries

- Partner Type -







View



