Geospatial Information Sharing
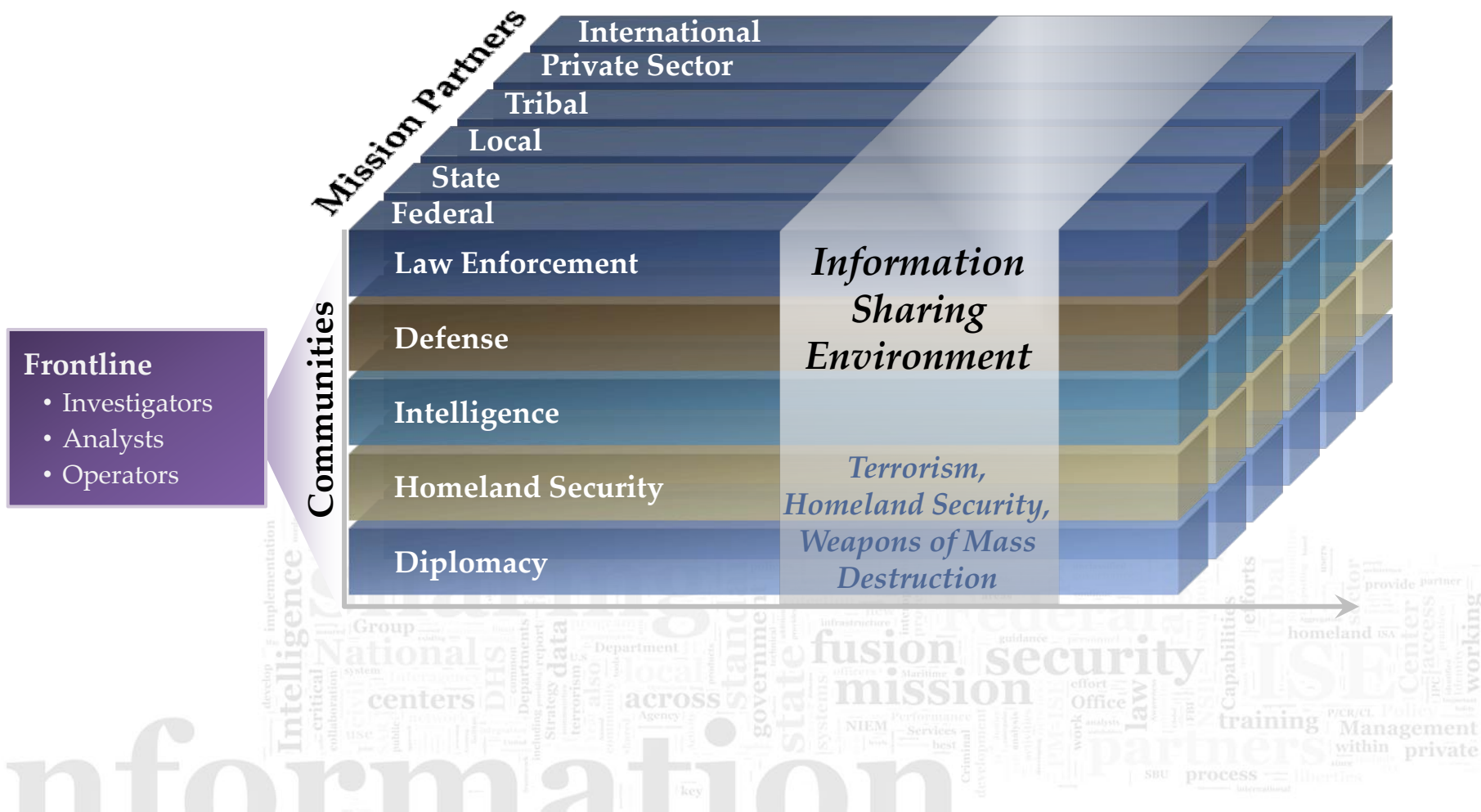
Kshemendra Paul
Program Manager, Information Sharing Environment
20 September 2012

Information Sharing Environment Stakeholders & Mission

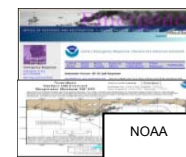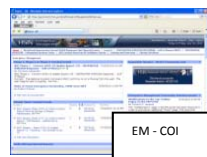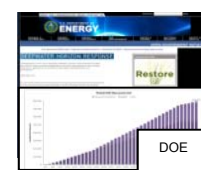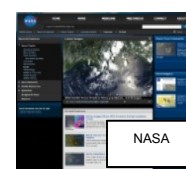# Geospatial Investment Interoperability

ISE.

"A lack of network interoperability creates barriers across agencies and missions. Differences in policies and technologies prevent authorized users from gaining access to critical resources and information on disparate networks."

- National Strategy for Information Sharing and Safeguarding

Deep Water Horizon COP Activities

NOC - COP	DWH MC252 - COI	DWH - Unified Command	DOD Intelink	EPA	HHS
GIS - COI	FEMA OneMap	vUSA	NGA Earth	NASA	DOE
EM - COI	NICC - COP		NGA Americas	NOAA	CDC
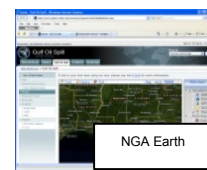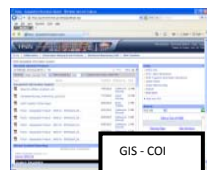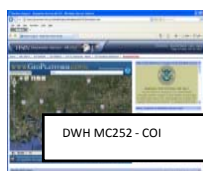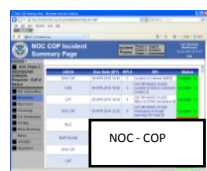
PM-ISE MISSION & OBJECTIVE ALIGNMENT

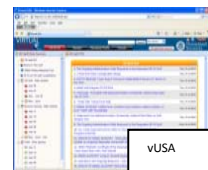**"IMPROVE NATIONWIDE DECISION MAKING BY TRANSFORMING INFORMATION OWNERSHIP TO STEWARDSHIP"**

OBJECTIVE: Drive responsible information sharing by interconnecting existing networks and systems

PM-ISE Geospatial Focus

Support the Acceleration of Geospatial Information Sharing across Whole of Government

Policy: *A*lign existing policies across government; *Not* layering in additional policies

Standards: Strengthen existing standards; *Not* creating new ones

Architecture Interoperability: Optimize existing investments*; Not* developing new requirements

Geospatial Interoperability Reference Architecture (GIRA)

Draft Guidance:

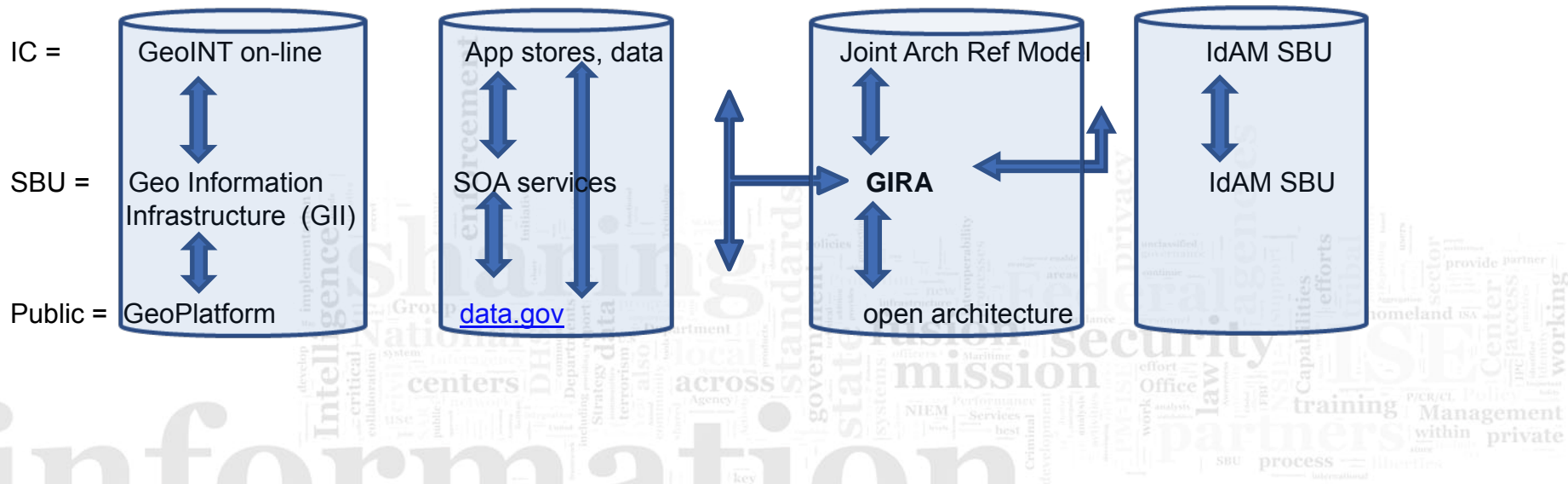**By 30 September 2013, DHS, DOI, ODNI (NGA), and DOC shall:**

Deliver a joint, interoperable geospatial reference architecture for inclusion in the ISE-Enterprise Architecture Framework that can be used as a guide for federal geospatial systems and investments—DHS as the lead for the interagency SBU Working Group for Assured Interoperability including geospatial; DOI as the lead for the GeoPlatform; National Geospatial-Intelligence Agency (NGA) as the lead for the National System for Geospatial Intelligence; and Department of Commerce, National Oceanic and Atmospheric Administration, having the requisite experience and authority.

- Part of PM-ISE's Enterprise Architecture that will become reference implementations.

   Enterprise Architecture Framework = policy guidance

   - Appendices (4) = How to implement
     - Geospatial   + IDAM   + Security   + Common Info Sharing Standards
     - **3 VIEWS:**   Executive, Program/Project Manager, and Solution Architect
     - **5 Categories:** Governance, services, data, infrastructure and security

Geospatial Interoperability

- IC, SBU & Public geospatial communities developing parallel activities that can be leveraged
- Bridge parallel activities so information can be seamlessly shared across communities

IC =	GeoINT on-line	App stores, data	Joint Arch Ref Model	IdAM SBU
SBU =	Geo Information Infrastructure (GII)	SOA services	**GIRA**	IdAM SBU
Public =	GeoPlatform	data.gov	open architecture	

FGDC Value Proposition

REQUEST: Geospatial Interoperability Reference Architecture (GIRA) review and comment

First: upon initial draft of the GIRA Appendix (~ January 2013) request FGDC member review and comment on the guidance in terms of practical implementation from an Executive view, Program/Project Manager view and Solutions Architect view.

CHALLENGE: Accelerate A-16 geo-data Portfolio production and registry
Near future: Federal only afternoon session will address the A-16 Supplemental Guidance for geo-data Portfolio management. With over 200 data layers identified in the Supplemental Guidance, can you set an accelerated production goal of ~ 10 layers/year that are vetted and approved through your Life Cycle Management process that are registered and available via Data.gov and GeoPlatform as web services? By accelerating geo-data information availability you increase awareness, relevancy and value of your geospatial services.

www.ise.gov

RESPONSIBLE INFORMATION SHARING TO ENHANCE NATIONAL SECURITY