DoD Environmental Information Technology Management (EITM) Program

LTC Stephen Spellman
Program Manager, EITM
U.S. Army

Report Documentation Page

Form Approved
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE **02 NOV 2011**	2. REPORT TYPE	3. DATES COVERED **00-00-2011 to 00-00-2011**
4. TITLE AND SUBTITLE **DoD Environmental Information Technology Management (EITM) Program**		5a. CONTRACT NUMBER
		5b. GRANT NUMBER
		5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)		5d. PROJECT NUMBER
		5e. TASK NUMBER
		5f. WORK UNIT NUMBER
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **Army Environmental Information Technology Management ,110 Army Pentagon,Washington,DC,20310-0110**		8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)
12. DISTRIBUTION/AVAILABILITY STATEMENT **Approved for public release; distribution unlimited**		
13. SUPPLEMENTARY NOTES **Presented at the GreenGov Symposium, October 31 - November 2, 2011, Washington, DC**		
14. ABSTRACT		
15. SUBJECT TERMS		

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT **unclassified**	b. ABSTRACT **unclassified**	c. THIS PAGE **unclassified**	**Same as Report (SAR)**	**11**	

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18

What is EITM

DoD is directed to use ESOH management systems in mission planning and execution across all military operations and activities, including acquisition, procurement, logistics, and facility management. *DoDD 4715.1E: 4.3*

- Chartered under 4715.1E, EITM is mandated to ensure productive use of Environment, Safety and Occupational Health Corporate Information Management processes and technologies. ETIM is focused on:
  - Maximizing cost avoidance by leveraging governance to eliminate redundancy and drive efficiencies
  - Enterprise tri-services Net centric capabilities integrated at the data layer and aligned to Business Enterprise Architecture (BEA)

EITM-Proven cost efficiencies delivering successful solutions

EITM Product Line Includes: DENIX

greengov SYMPOSIUM

- Defense Environmental Network and Information eXchange (DENIX)

DoD Forums

DENIX Main Page

Sustainability

EITM Product Line Includes: KBCRS

greengov SYMPOSIUM

- Knowledge Based Corporate Reporting System (KBCRS)

Approved ARC Data

Mid-year summaries

ARC Table 3 Report

In the works… "ESOH 2.0"

greengov SYMPOSIUM

A DoD/Agency Enterprise assessment to define a FRAMEWORK that will help the Department meet the goals of:

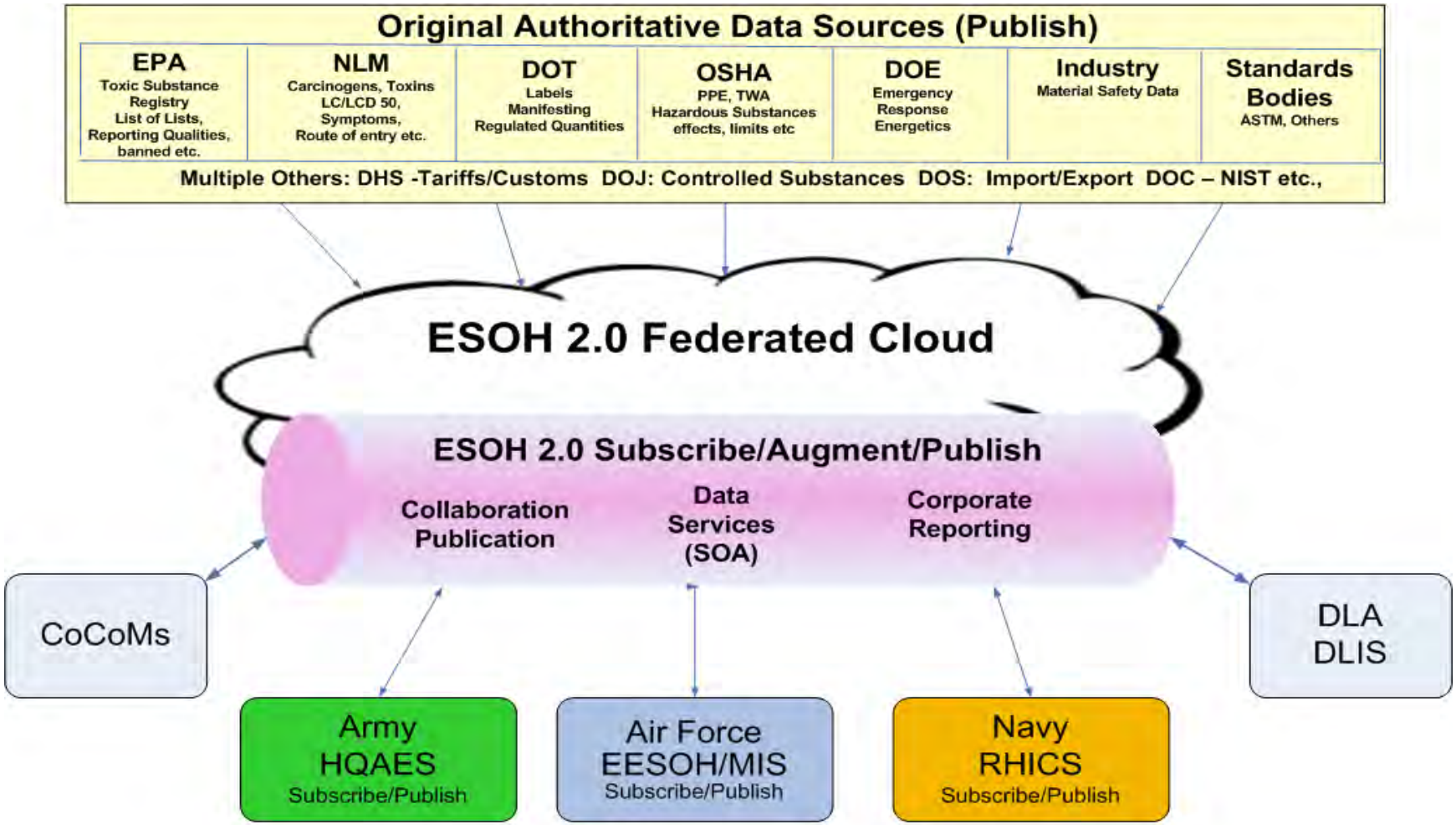
- Sustainable Operations
- Authoritative data, transparency
- Effective data management
- Component and Corporate reporting

An Enterprise ESOH Framework enables a better understanding on what it will take to achieve:

- Federated platform of interoperable, Net Centric authoritative data supporting a wide variety of applications
- Better efficiencies by reducing total operating costs
- Reduced redundancies in data and data systems
- Data integrity, end to end data traceability and transparency

Enables cross-cutting efficiencies that will free up resources

ESOH 2.0 Vision



Authoritative agency datasets now available via E-Gov

Why DoD needs ESOH 2.0

greengov SYMPOSIUM

- Substantial cost avoidance can be realized with authoritative data and information sharing at the Corporate level
  - Product Hazard Data is a good example of Corporate data requirement
- Alignment with recent policy, e.g., 5 OCT 2011 "Improving Sustainable Acquisition and Reporting" Net Centricity, Business Capability Life-Cycle
- BEI BPR demonstrated that the services have <u>common</u>:
  - Data requirements
  - Regulatory compliance requirements
  - Reporting requirements
- Emerging requirements to report DoD as a single unit
- Transparency requirement to trace reported data to source
- Domain governance leading to common solutions

Best solution is authoritative Net Centric data at corporate level

Multi stakeholder technical solutions are now obtainable and cost effective

Why the EITM approach is sound

EITM will leverage a proven approach for ESOH 2.0 similar to:

- **DOEHRS**: authoritative data source for Tri-services, DoE and VA
  - Provides successful common repository of all military personnel exposures
    - Supports multiple views tailored to agency-specific business requirements
  - Proves ability to eliminate redundant stovepipes and ensure commonality of data
- **DENIX**: Tri-Service ESOH collaboration platform
  - Proves ability to share and maintain security between internal and external publications
  - Proves ability to enhance public outreach while meeting DoD IA requirements
- **KBCRS**: shaped regulatory requirement minimizing cost and complexity of annual reporting to Congress on Service Clean-Up progress

ESOH 2.0 Enterprise data fusion is achievable and sustainable

EITM is ready for ESOH 2.0 now

greengov SYMPOSIUM

- **State of the Art Virtualization Platform**
  - Core platform is clustered Vsphere 4, Oracle 11 Enterprise,
  - Ability to interoperate outside DoD the while meeting DoD IA requirements
- **Technology Agnostic**
- **Vendor Neutral**
- **Scalable and Extensible**
- **Standards Compliant**
- **Cloud Capable**

The EITM platform is in place, accredited and <u>paid for</u>

ESOH 2.0 can succeed because

- Maturity of governance (IRB process oversight)
- Alignment with Policy (e.g., BCL, Net Centricity)
- Mature Business Enterprise Architecture (BEA 8)
- Mature Technology
  - Data interoperability
  - Ability to integrate at the data level versus application level
- Ability to exchange information in real time
  - Defined and agreed upon common data set requirements
  - Common Enterprise reporting requirements
- Agile implementation approach

ESOH 2.0: Authoritative common data for DOD ESOH

ESOH 2.0 brings it all together

ESOH 2.0: A force multiplier for DoD Enterprise ESOH