

Joint Group on Pollution Prevention

JG-PP EnviroData Search (EDS) Portal Supports Department of Defense (DoD) Green Initiatives



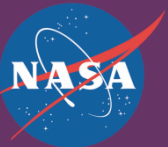
June 2010

Mr. John Thomstatter, CTC

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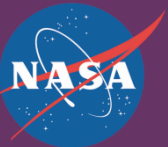
Project Goal

**Improve Internet Data Access
for Environmental Managers**



The Challenge

- Information overload
- Quickly isolating relevant information
- Finding targeted results





The Problem

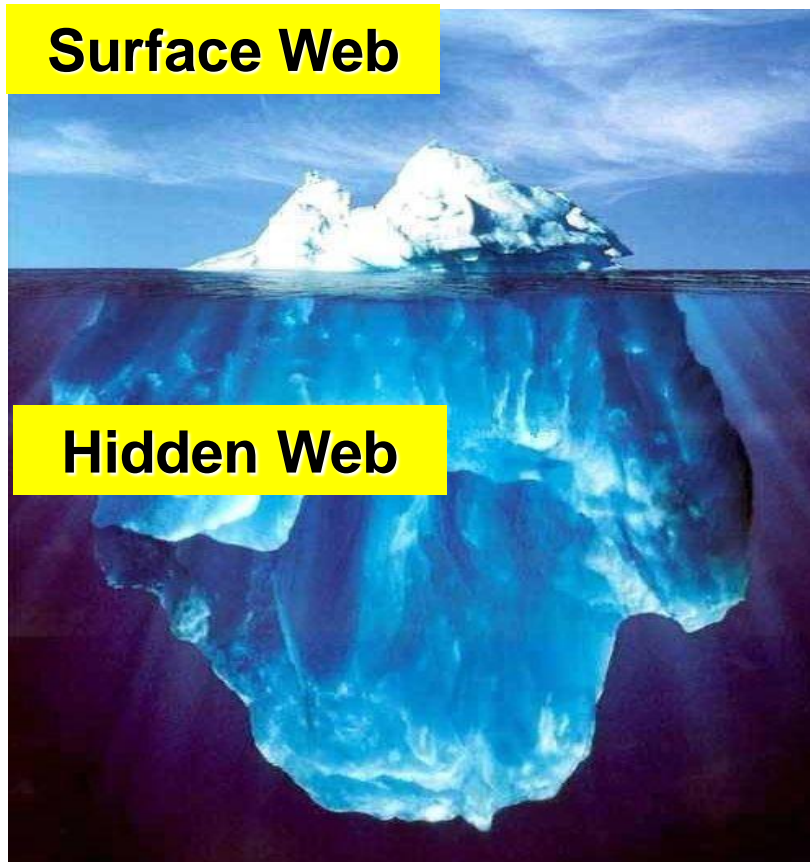
General search engines index only the “Surface Web” – only reaching 16% of the available information

16%

Surface Web

84%

Hidden Web



Categories of Web Information

SURFACE WEB

16%

- **Free Access**
- Indexed by search engines such as Google

HIDDEN WEB

64%

- **Free Access**
- **Not** indexed by traditional search engines
- Need to know where to look and how to search

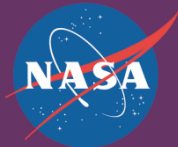
20%

- **Restricted Access**
- Paid Subscription or Registration
- **Not** indexed by traditional search engines
- Need to know where to look and how to search





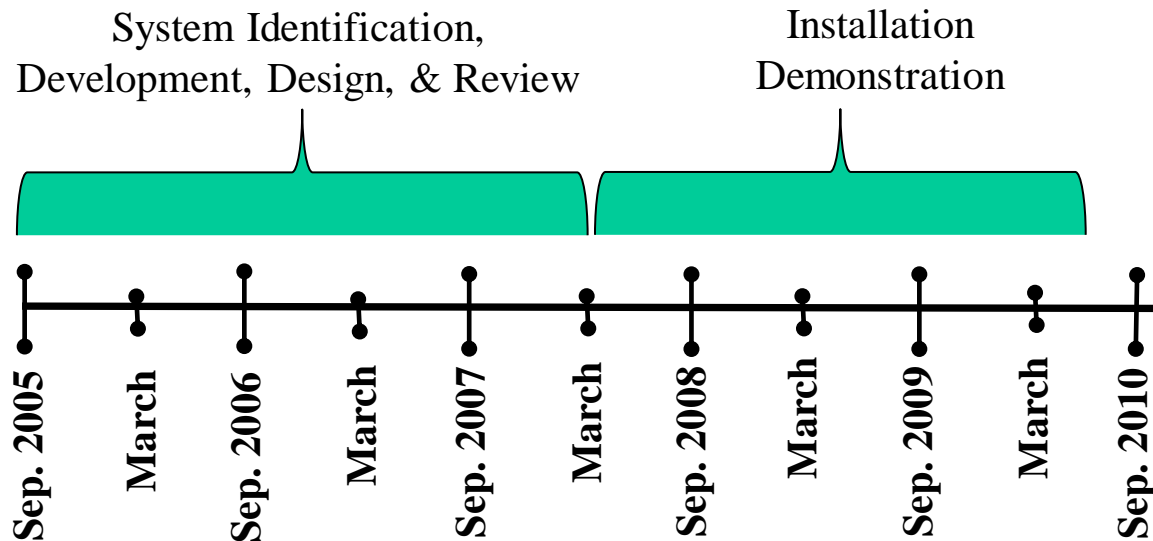
The Portal Solution



- User-friendly
- Simultaneously search targeted resources
- On-demand search refinement

Background and Milestones

- Development of the EDS Portal was funded by the JG-PP and the Navy
- Configured and linked the search portal to the Internet, indexing over 100 web sites currently focused on biobased technologies, coatings/coating removal, solvents, and emerging contaminants
- Identified Stakeholders and setup over 120 user accounts





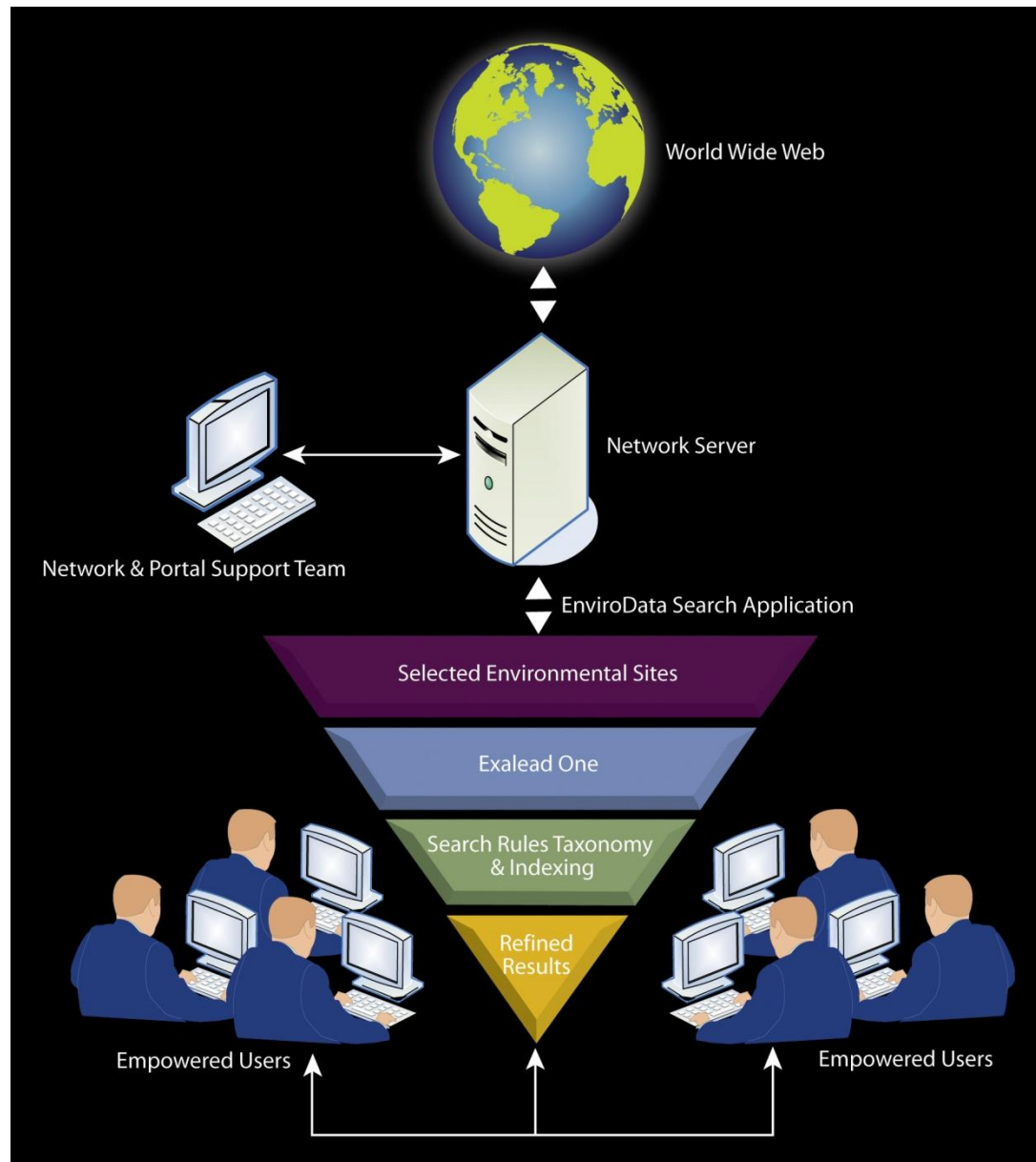
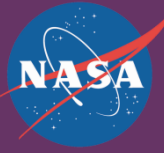
Portal Design Features

- User friendly search process – for novice and experienced searchers
- Focuses on pre-selected, high-value environmental deep web sites – continually updated
- Strategic information indexing for improved usability
- Accessible from JG-PP web site - with password protection





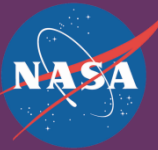
Portal Operational Components





Initial Site Categories

- **Biofuels**
- **Coatings / Coatings Removal**
- **Pollution Prevention (P2)**
- **Solvents**
- **Clean Processes**
- **Nanotechnology**



Example of Sites Indexed

Source	URL
Advanced Surface Engineering Technologies for a Sustainable Defense (ASETSDefense) Database	www.asetdefense.org
Air Force Center for Engineering and the Environment (AFCEE)	www.afcee.af.mil
Air Force Environmental Safety and Health	www.wpafb.af.mil
ChemAlliance	www.chemalliance.org
DoD Small Business Innovative Research	www.dodsbir.net
U.S. Department of Energy's (DOE's) Office of Energy Efficiency and Renewable Energy	www1.eere.energy.gov
Edgewood Chemical Biological Center	www.ecbc.army.mil
European Lead Free Network	www.europeanleadfree.net
Halogenated Solvents Industry Alliance	www.hsia.org
Joint Group on Pollution Prevention (JG-PP)	www.jgpp.com
Joint Services P2 Library	www.p2library.nfesc.navy.mil
NASA Technology Evaluation for Environmental Risk Mitigation (Teerm)	www.teerm.nasa.gov
National Pollution Prevention Roundtable	www.p2.org



Criteria for Sites to be Added

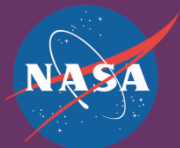


- Sites contain content: reports, articles, directories
- Sites are from a reputable source: Government, association, academic
- Sites are related to the goals of EDS



Portal Search Path

www.jgpp.com



Joint Group on
Pollution Prevention



Partnering for Progress

[What's New](#) [What is JG-PP](#) [Contacts](#) [Projects](#) [Publications](#) [P2 Links](#) [Calendar](#) [Glossary](#) [Search](#)

Good Morning!

Welcome to the Joint Group on Pollution Prevention web site!

JG-PP Charter



How can we help you?

[System Program Managers](#)

[Maintenance and Repair Facilities](#)

[Original Equipment Manufacturers](#)

[Researchers and Academia](#)

Contact Us!

Supporting the Warfighter with Innovative, Cost-effective, Greener Technologies - An excerpt from the Defense AT&L (.pdf)

Enviro Data Search Portal

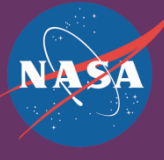
Username and Password required.

Government Personnel can contact jgpp@ctc.com to obtain a Username and Password.

Joint Service Solvent Substitution (JS3) Database



EDS Portal



Hidden Web Search Results

Simplified search entry with advanced knowledge management capabilities

Thumbnails help make selections faster

Ability to set individual preferences

Categories quickly define search results

Web Search Sources

Additional Subject Refinement Options

System Generated Key Phrases Improve Search Refinement

Search Results: Results 1 to 10 of about 823 to life cycle management

Sort by relevance - Sort by date - Sort by size - View - 100 - 250 - 500

Refine your search

Sources

- NAVJAG (10)
- Department of Defense (10)
- Department of the Army (10)
- Department of the Navy (10)
- Department of the Air Force (10)
- Department of the Coast Guard (10)
- Department of the Marine Corps (10)
- Department of the Navy (10)
- Department of the Navy (10)
- Department of the Navy (10)

Organizations

- NAVJAG (10)
- Department of Defense (10)
- Department of the Army (10)
- Department of the Navy (10)
- Department of the Air Force (10)
- Department of the Coast Guard (10)
- Department of the Marine Corps (10)
- Department of the Navy (10)
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Geographic location

- USA (10)
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Document type

- NAVJAG (10)
- Department of Defense (10)
- Department of the Army (10)
- Department of the Navy (10)
- Department of the Air Force (10)
- Department of the Coast Guard (10)
- Department of the Marine Corps (10)
- Department of the Navy (10)
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Date

- 2000 (10)
- 2001 (10)
- 2002 (10)
- 2003 (10)
- 2004 (10)
- 2005 (10)
- 2006 (10)
- 2007 (10)
- 2008 (10)
- 2009 (10)

Language

- English (10)
- English (10)
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Related terms

- life cycle management (10)
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Search within results

life cycle management

Search

Search words highlighted in thumbnail view



Novice Users Become Power Users



- Search all relevant web sites with one entry
- Access and index hidden data
- Quickly isolate key information



Portal Recap

■ User Issues

- Limited time for searching
- Don't always know what they are looking for

■ Additional EDS Resources

- User Group collaboration to identify changing issues, priorities, and focus areas
- E-mail Alerts for automated user search notification
- Electronic Newsletter updates
- Technical support to refine searching, indexing, and Portal performance





Summary



- The EDS Portal offers the DoD/National Aeronautics and Space Administration (NASA)/Defense Logistics Agency (DLA) an innovative web search capability for timely/cost effective evaluation of strategic environmental business information.
- User accounts are being set up for DoD personnel.
- JG-PP is seeking portal partners to use the portal resources and help fund the follow-on efforts.



For Additional Portal Information

- **For additional information or to participate in the EDS Portal Project, please contact:**
 - John Thomstatter, JG-PP Project Manager
CTC – thomstaj@ctc.com
Phone: (814) 269-2508
 - Debra Mills, Technical Lead
CTC – millsd@ctc.com
Phone: (814) 248-7557



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