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

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Mr. John Thomstatter, CTC
**JG-PP EnviroData Search (EDS) Portal Supports Department of Defense (DoD) Green Initiatives**

**Concurrent Technologies Corporation, 100 CTC Drive, Johnstown, PA, 15904**

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   Concurrent Technologies Corporation, 100 CTC Drive, Johnstown, PA, 15904

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

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

HIDDEN WEB

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

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

16% 64% 20%
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

<table>
<thead>
<tr>
<th>Source</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Surface Engineering Technologies for a Sustainable Defense (ASETSDefense) Database</td>
<td><a href="http://www.asetssdefense.org">www.asetssdefense.org</a></td>
</tr>
<tr>
<td>Air Force Center for Engineering and the Environment (AFCEE)</td>
<td><a href="http://www.afcee.af.mil">www.afcee.af.mil</a></td>
</tr>
<tr>
<td>Air Force Environmental Safety and Health</td>
<td><a href="http://www.wpafb.af.mil">www.wpafb.af.mil</a></td>
</tr>
<tr>
<td>ChemAlliance</td>
<td><a href="http://www.chemalliance.org">www.chemalliance.org</a></td>
</tr>
<tr>
<td>DoD Small Business Innovative Research</td>
<td><a href="http://www.dodsbir.net">www.dodsbir.net</a></td>
</tr>
<tr>
<td>Edgewood Chemical Biological Center</td>
<td><a href="http://www.ecbc.army.mil">www.ecbc.army.mil</a></td>
</tr>
<tr>
<td>European Lead Free Network</td>
<td><a href="http://www.europeanleadfree.net">www.europeanleadfree.net</a></td>
</tr>
<tr>
<td>Halogenated Solvents Industry Alliance</td>
<td><a href="http://www.hsia.org">www.hsia.org</a></td>
</tr>
<tr>
<td>Joint Group on Pollution Prevention (JG-PP)</td>
<td><a href="http://www.jgpp.com">www.jgpp.com</a></td>
</tr>
<tr>
<td>Joint Services P2 Library</td>
<td><a href="http://www.p2library.nfesc.navy.mil">www.p2library.nfesc.navy.mil</a></td>
</tr>
<tr>
<td>NASA Technology Evaluation for Environmental Risk Mitigation (Teerm)</td>
<td><a href="http://www.teerm.nasa.gov">www.teerm.nasa.gov</a></td>
</tr>
<tr>
<td>National Pollution Prevention Roundtable</td>
<td><a href="http://www.p2.org">www.p2.org</a></td>
</tr>
</tbody>
</table>
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
Good Morning!
Welcome to the Joint Group on Pollution Prevention website!

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 (JSS) Database
EDS Portal

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 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 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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