



Siderean<sup>TM</sup>  
SOFTWARE

Search the way you think

# Seamark Navigation Server Brief Overview for Federal CIO Council's SICoP

August 2005

*siderean – of, or pertaining to, stars and constellations*

## Seamark by Siderean

***Unify, organize and navigate information -  
the way users think - to improve analysis  
and decision making.***

"...unfortunately, we suffered from a persistent problem of not communicating the intelligence we had or being able to analyze the intelligence based on conventional models..."

***9/11 Commission Report***  
*(July 2004)*

## About Siderean Software

- Founded in 2001 and based in El Segundo, CA
- Ventured backed in 2004
- Delivering RDF-centric navigation and analysis capabilities for end users (a.k.a. - “the last mile”)
- Established customers & system integration partners
- Active W3C member leveraging Semantic Web standards
- Oracle Partner and Oracle 10g beta tester (RDF Data Model)
- Strong focus on Federal market (DOD/Intel/DHS/Civilian)

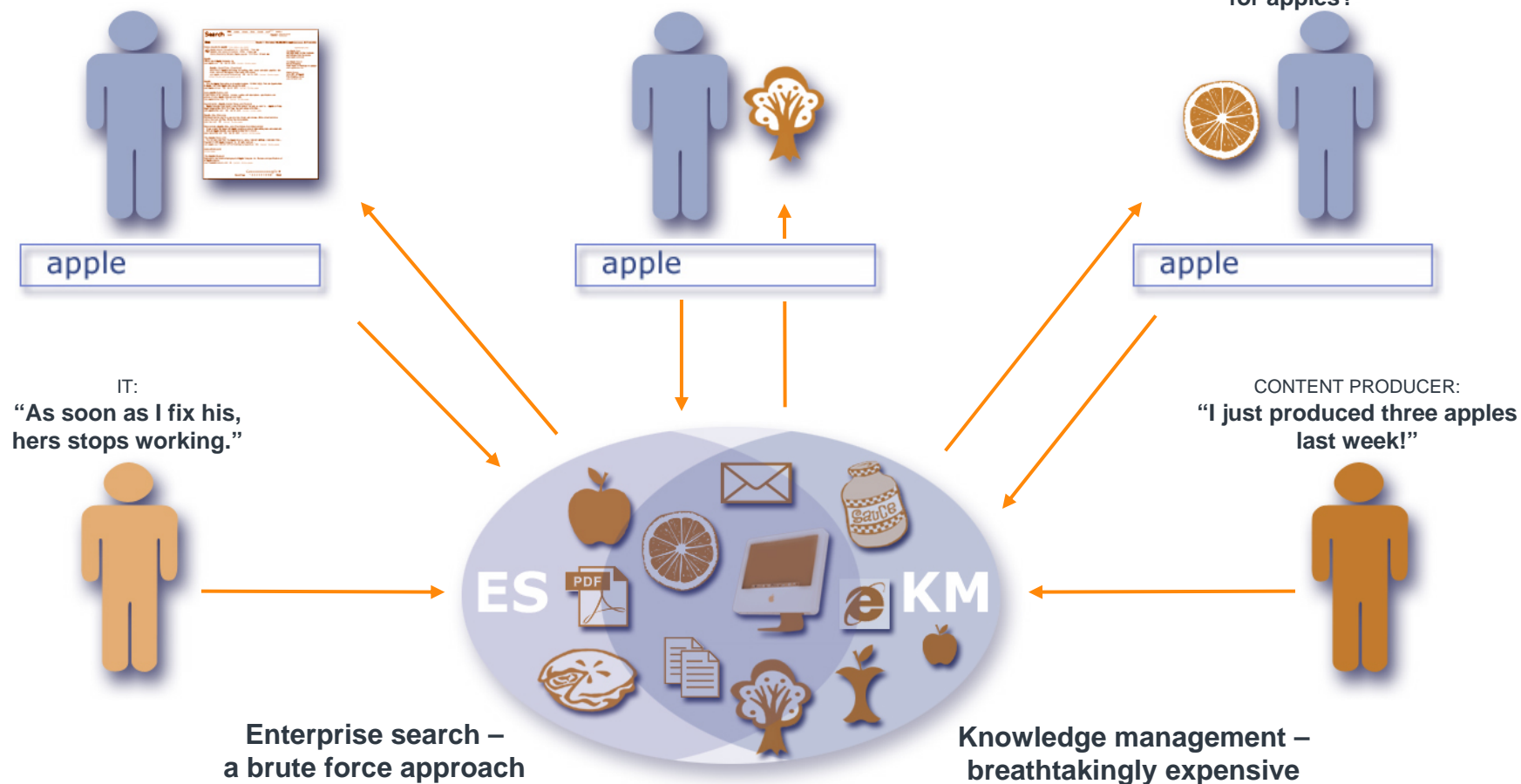


# Current solutions

“50,000 results!!! Now what?”

“I give up! Hello? Get me an apple!”

“Why do I get oranges when I’m looking for apples?”

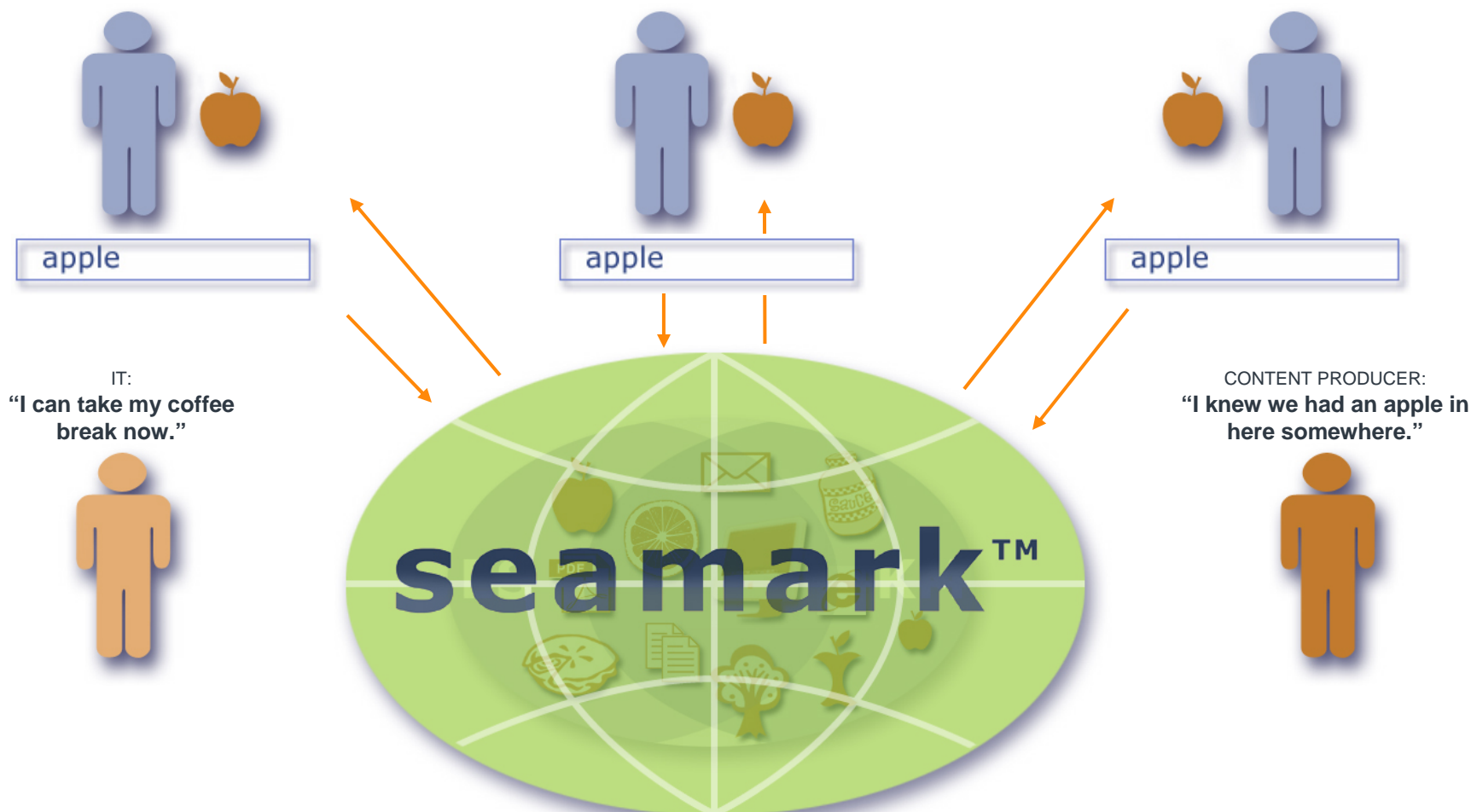


# Introducing Seamark Navigation Server

"I can see the big picture!"

"No more staring at a blank text box."

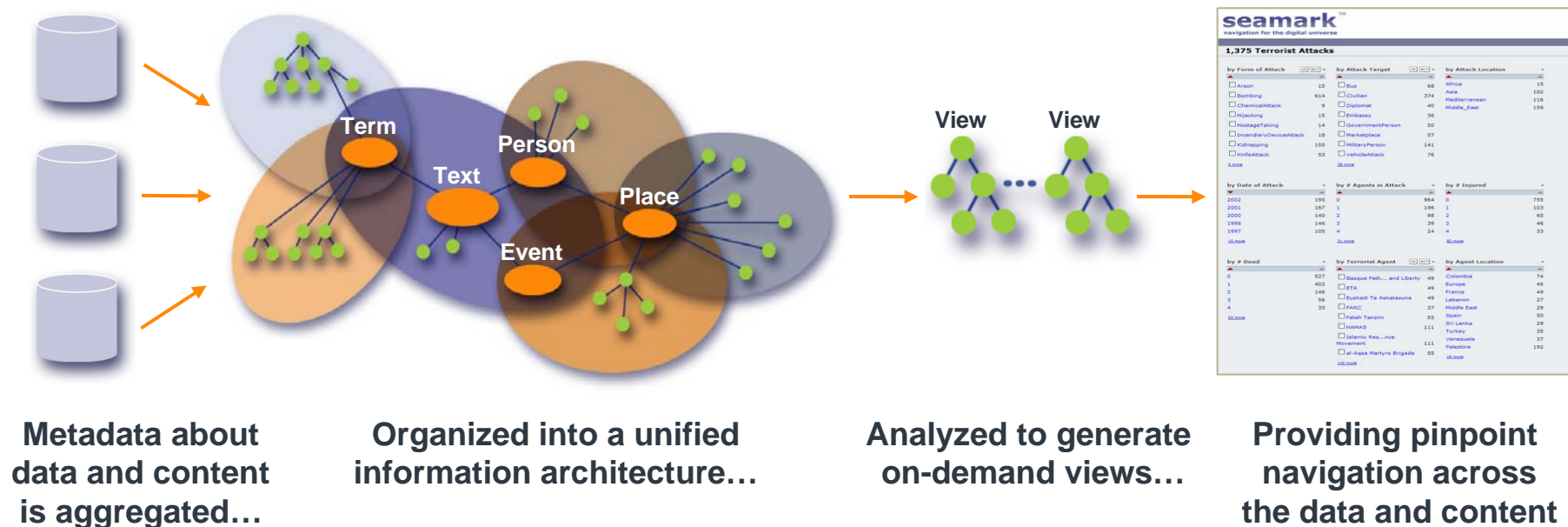
"I can drill down quickly to what I want."



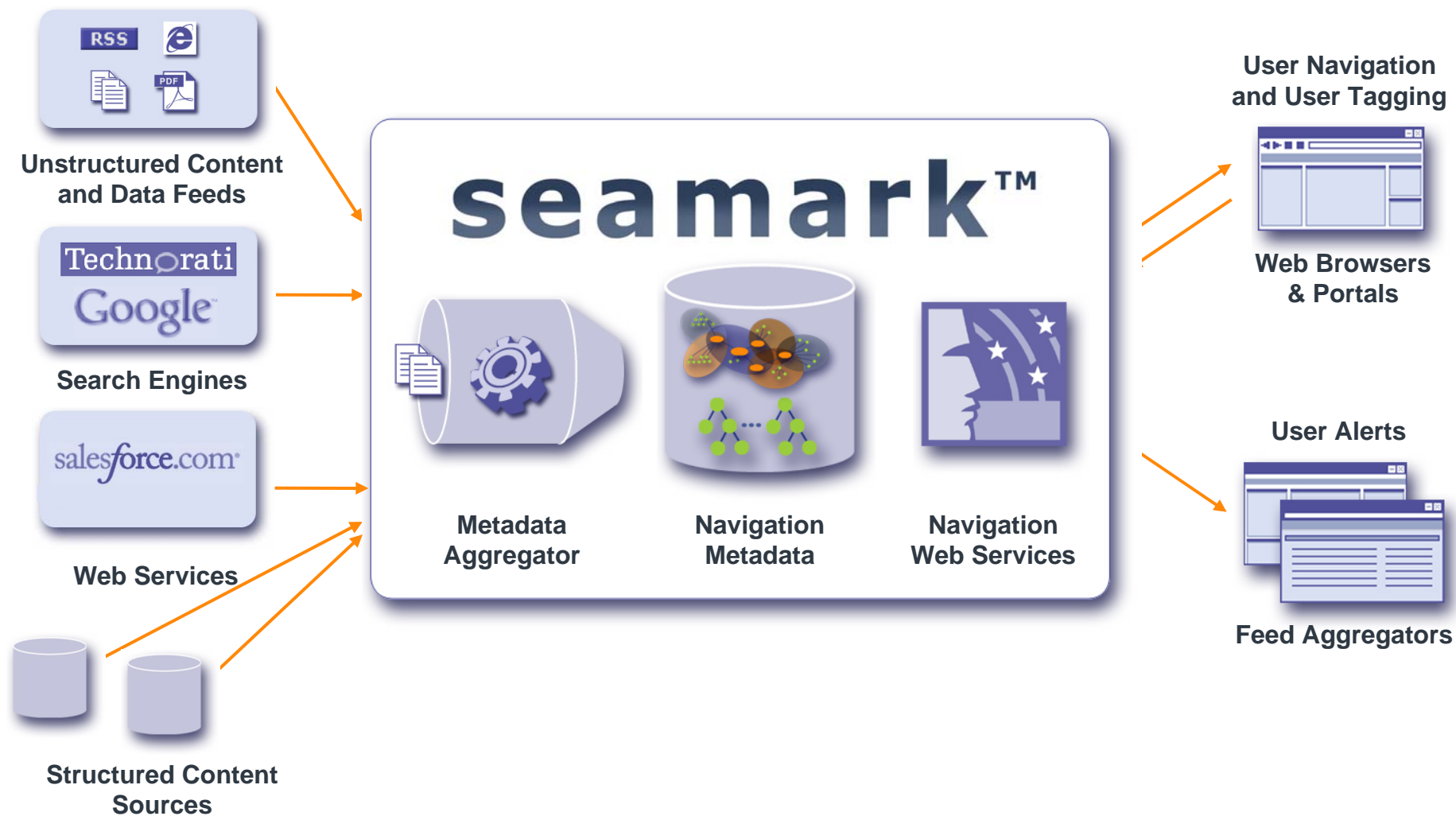
**Seamark – layering organization for discovery and pinpoint results**




# How it works: process



## How it works: architecture





# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

---

**219,958 Items**

<p><b>by Organization</b></p> <ul style="list-style-type: none"> <li><a href="#">NASA affiliated institutions</a> 1378</li> <li><a href="#">NASA Centers</a> 76545</li> <li><a href="#">NASA Contractors</a> 10108</li> <li><a href="#">NASA Embassies</a> 815</li> <li><a href="#">NASA Headquarters</a> 4042</li> <li><a href="#">Other NASA Partners</a> 999</li> </ul>	<p><b>by Subject</b></p> <ul style="list-style-type: none"> <li><a href="#">Aeronautics</a> 26532</li> <li><a href="#">Astroautics</a> 31758</li> <li><a href="#">Chemistry and Materials</a> 17896</li> <li><a href="#">Engineering</a> 39531</li> <li><a href="#">Geosciences</a> 36770</li> <li><a href="#">Mathematical and Computer Sciences</a> 13286</li> <li><a href="#">Space Sciences</a> 22865</li> <li><a href="#">&amp; more</a></li> </ul>
<p><b>by Date</b></p> <ul style="list-style-type: none"> <li><a href="#">Before 1911</a></li> <li><a href="#">1920s</a> 1113</li> <li><a href="#">1930s</a> 10523</li> <li><a href="#">1940s</a> 84244</li> <li><a href="#">1950s</a> 60031</li> <li><a href="#">1960s</a> 67388</li> <li><a href="#">2000s</a> 16452</li> <li><a href="#">&amp; more</a></li> </ul>	<p><b>by Competencies</b></p> <ul style="list-style-type: none"> <li><a href="#">Business</a> 366</li> <li><a href="#">Engineering</a> 383</li> <li><a href="#">Mission</a> 555</li> <li><a href="#">Science</a> 410</li> <li><a href="#">Technical</a> 218</li> </ul>
<p><b>by Collection</b></p> <ul style="list-style-type: none"> <li><a href="#">Lessons Learned</a> 1370</li> <li><a href="#">NTRS</a> 213900</li> <li><a href="#">GTRR</a> 4054</li> <li><a href="#">Webb</a> 634</li> </ul>	<p><b>by Missions and Projects</b></p> <ul style="list-style-type: none"> <li><a href="#">Aerospace Technology</a> 40</li> <li><a href="#">Biological and Physical Research</a> 68</li> <li><a href="#">Data</a> 140</li> <li><a href="#">Earth Sciences</a> 1497</li> <li><a href="#">Human Exploration and Development</a> 10680</li> <li><a href="#">Planetary Missions</a> 4819</li> <li><a href="#">Space Sciences</a> 8457</li> </ul>
	<p><b>by Information Type</b></p> <ul style="list-style-type: none"> <li><a href="#">Catalogs and Databases</a> 32</li> <li><a href="#">Designs and Specifications</a> 62</li> <li><a href="#">Plans and Appendes</a> 158</li> <li><a href="#">Results and Analyses</a> 260</li> <li><a href="#">Reviews and Lessons Learned</a> 1819</li> <li><a href="#">Status Reports</a> 119</li> <li><a href="#">Technical Records</a> 229</li> <li><a href="#">&amp; more</a></li> </ul>

# Environmental Health News

Compiled by Environmental Health Sciences

Front Page Archives About EHS Subscribe Contact

All Fields

Go

**In the News:** Get quick access to breaking stories around the world.

**20 November: Bush Reopens Bush Plan to Thin Forests at Risk of Fire**  
Vine images of the fire-ravaged area on his mind, congressional negotiators reached agreement Wednesday on a revision of President Bush's plan for thinning the national forests to reduce wildfire risk. [Los Angeles Times, California](#)

**20 October: CENR reacts negatively to water works.** Amid the swirl of activity to protect the people living in the area a good neighbor has emerged: CENR, the farm equipment manufacturer located at Bailey Park Road and Highway 208, has agreed to pay the cost of housing homes to the city water works. [Los Angeles Times](#)

**New Science:** Understand new scientific results that expand knowledge of environmental links to health.

**Research linked to preterm birth.** A new study, first, finds that not only are DEHP and MEHP detected in most Italian newborns, but that the higher the levels of DEHP are more likely to be born premature. This result suggests that at least some of the scientific evidence that links DEHP and more likely to be born premature birth in the US has increased 23% since the early 1980's should focus on environmental contaminants in the womb, and specifically on phthalates. [Hiro](#)

**Testicular cancer linked to environmental exposures early in life.** Finnish men who immigrate to Sweden are much less likely to develop testicular cancer than Swedish men: more than how they were when they emigrated from Finland nor how long they lived in Sweden. These findings suggest that exposures in the womb as important determinants of testicular cancer, and are consistent with an


**New Reports:** By organizations working to protect human health from environmental exposures.

**More trouble with MTBE in drinking water.** The chemical has been detected in water supplies for at least 15 million people to date. Nonetheless, Republican leaders in Congress are moving to protect companies from liability for having contaminated drinking water. More trouble with MTBE in drinking water. [Published by Environmental Working Group](#)

**EPA's Smoke Screen: How Deception of Congress, Campaign Contributions and Political Connections Gotten a Key Clean Air Act Amendment Passed.** The U.S. Environmental Protection Agency (EPA) officials reveal that Bush appointees made unusual statements to two Senate committees. [EPA's Smoke Screen: How Deception of Congress, Campaign Contributions and Political Connections Gotten a Key Clean Air Act Amendment Passed](#)  
[Published by Public Citizen](#)

[Shoreline's Guide to Deception in Drought](#)

**ASHTABULA**  
 Parent Company: **FIRSTENERGY CORP**  
 ASHTABULA, OH 440041867  
 More info from [Sourcecast](#)  
 More info from [ETK.net](#)



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[vacation owner login](#)
[home owner login](#)
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Search within the site:

☐ Home

☐ About Us


☐ Vacationer Login

☐ Home Owner Login

☐ Sign up!

☐ Add your Listing

Vacation Rental of the Week



Whispering Winds 1518  
Hudon Beach North Carolina  
United States

Charming Vacation Rental  
Check my Calendar

## Vacation Search

Text Search With These Results:

☐ 2 Stars
 

- Weekly rate is \$2000 and over
- Sleeps is 6 and over
- Bedrooms is 2 and over
- Bedrooms is 4 and over
- Country is CARIBBEAN ISLANDS
- State is United States Virgin Islands
- City is St. John
- Weekly rate is Under \$5000


Refine your search by clicking on the links below. For example, you can find all houses in Florida that sleep more than 10 and cost less than \$2000/week or less than \$4000/week.

☐ **Weekly rate**  
Under \$5000  
\$5000-\$9999.99

☐ **Bedrooms**  
Under 2  
2-3  
3-4  
4-5  
5-6  
6-7  
7-8  
8-9  
9-10  
10-11  
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96-97  
97-98  
98-99  
99-100

☐ **Sort by**  
[Sleeps](#)
[Bedrooms](#)
[Bedrooms](#)
[Weekly rate](#)


Showing 1 to 4 of 4 items



**1 St. John United States Virgin Islands**

[View Site](#)  
\$1450 - \$4900 Weekly  
4 Bedrooms 4.5 Baths  
Sleeps 8 [Details](#)


**CARIBBEAN ISLANDS**




**2 St. John United States Virgin Islands**

[View Site](#)  
\$272 - \$4802 Weekly  
4 Bedrooms 4.5 Baths  
Sleeps 8 [Details](#)

**CARIBBEAN ISLANDS**



**3 St. John United States Virgin Islands**



# The Gateway to Educational Materials

[home](#)
[search](#)
[news](#)
[about](#)
[help](#)

you are here: [home](#) » [search](#)

navigation

- [Home](#)
- [About](#)
- [Help](#)
- [News](#)
- [Search](#)

my gateway log in

Name


Password


[3 log in](#)

[Forgot your password?](#)

[New user?](#)

**GEM is Sponsored by**





1 to 10 of 64 items | Next

**Mars**

Title Mars Exploration Page

Description This site contains 4 images of the planet Mars. Medium image/jpeg, text/HTML.

[Show Full View](#)

**Mars Exploration Page**

Title Mars Exploration Page

Description This site is a collection of links to many web sites about the planet Mars, including current and future missions to Mars and exploration of Mars. Medium image/jpeg, text/HTML.

[Show Full View](#)

**The Face on Mars: Is Joe Smiling at Us?**

Title The Face on Mars: Is Joe Smiling at Us?

Description This page describes and explains the famous formations known as "the face on mars" and "the happy face crater," on the planet mars.

**64 Items matching description contains mars**

**Refine by level**

1	11
2	23
3	23
4	29
5	30
6	30

**subject**

1	7
2	educational technology 16
3	foreign languages 3
4	language arts 4
5	mathematic 6
6	science 42
7	social studies 12

**keywords**

1	Anecdotal accounts 11
2	Computers 7
3	Earth 16
4	Educational technology 16
5	professional development 3
6	science 10
7	social studies 12

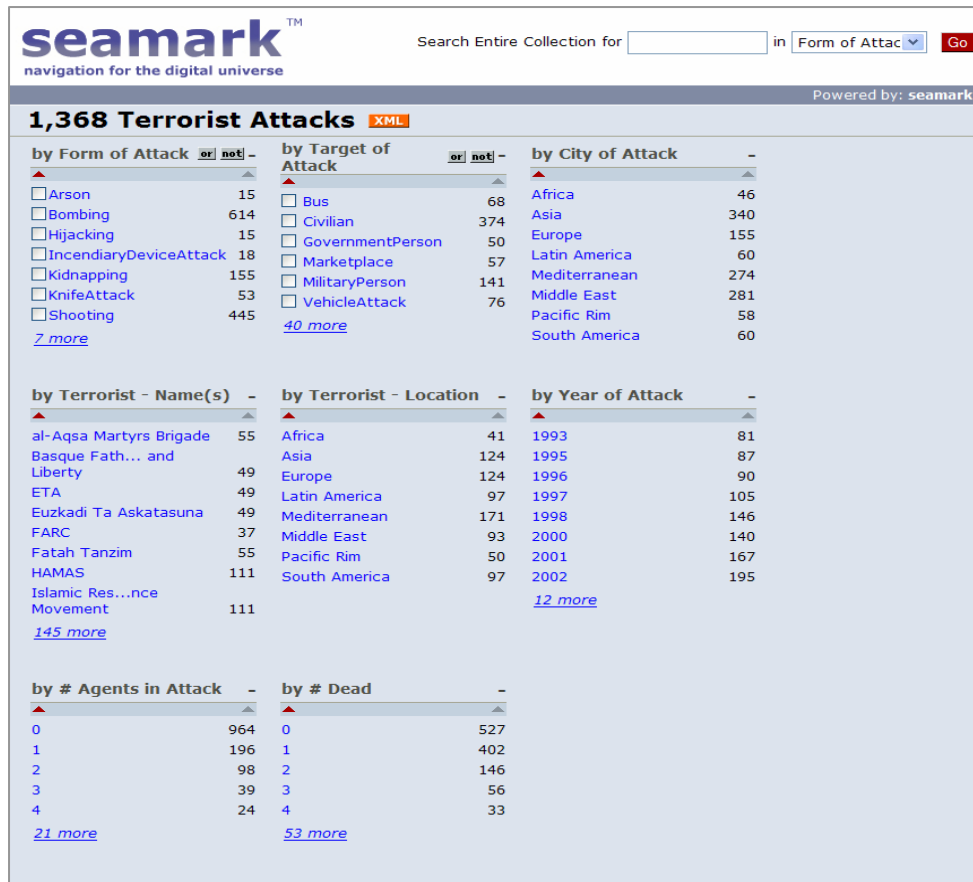
[illegible]

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# What's unique about Seamark

- Turn-key
  - Web developers can deliver *pinpoint navigation* in a few clicks of a mouse
- Interoperable
  - Leverages existing infrastructure using *open standards*
- Intelligent
  - Captures the semantics of complex, dynamic information so you can *search the way you think*



**seamark**  
navigation for the digital universe

Search Entire Collection for  in

Powered by: seamark

### 1,368 Terrorist Attacks [XML](#)

by Form of Attack	by Target of Attack	by City of Attack
<input type="checkbox"/> Arson 15 <input type="checkbox"/> Bombing 614 <input type="checkbox"/> Hijacking 15 <input type="checkbox"/> IncendiaryDeviceAttack 18 <input type="checkbox"/> Kidnapping 155 <input type="checkbox"/> KnifeAttack 53 <input type="checkbox"/> Shooting 445 <a href="#">7 more</a>	<input type="checkbox"/> Bus 68 <input type="checkbox"/> Civilian 374 <input type="checkbox"/> GovernmentPerson 50 <input type="checkbox"/> Marketplace 57 <input type="checkbox"/> MilitaryPerson 141 <input type="checkbox"/> VehicleAttack 76 <a href="#">40 more</a>	Africa 46 Asia 340 Europe 155 Latin America 60 Mediterranean 274 Middle East 281 Pacific Rim 58 South America 60

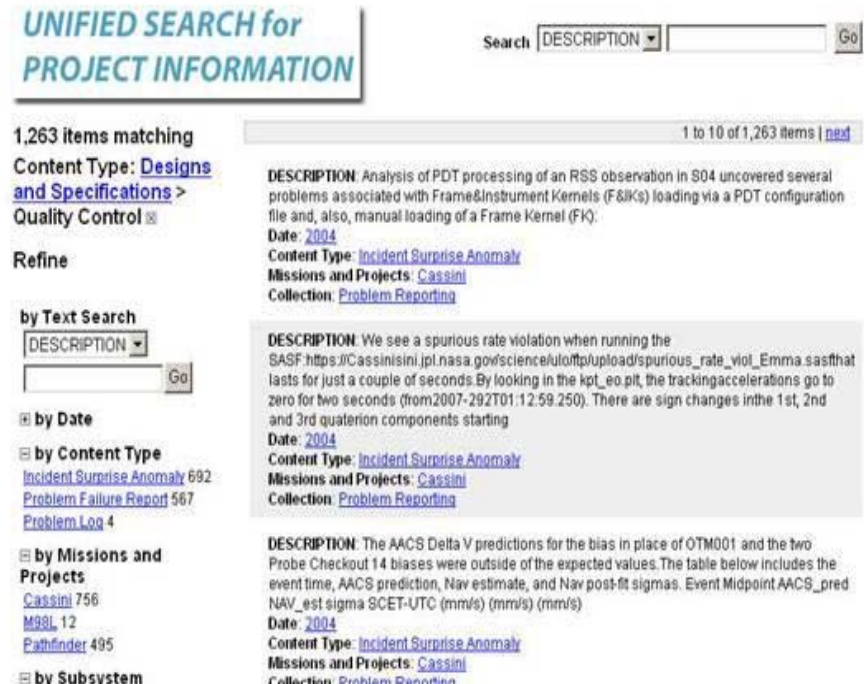
by Terrorist - Name(s)	by Terrorist - Location	by Year of Attack
al-Aqsa Martyrs Brigade 55 Basque Fath... and Liberty 49 ETA 49 Euzkadi Ta Askatasuna 49 FARC 37 Fatah Tanzim 55 HAMAS 111 Islamic Res...nce Movement 111 <a href="#">145 more</a>	Africa 41 Asia 124 Europe 124 Latin America 97 Mediterranean 171 Middle East 93 Pacific Rim 50 South America 97	1993 81 1995 87 1996 90 1997 105 1998 146 2000 140 2001 167 2002 195 <a href="#">12 more</a>

by # Agents in Attack	by # Dead
0 964 1 196 2 98 3 39 4 24 <a href="#">21 more</a>	0 527 1 402 2 146 3 56 4 33 <a href="#">53 more</a>

## Case study: NASA JPL

- Project information aggregated from numerous NASA and JPL content and data repositories
- Using and extending existing NASA and JPL taxonomies

**Benefits:** Integration of multiple data silos and taxonomies for precision access across more content



**UNIFIED SEARCH for PROJECT INFORMATION**

Search

1,263 items matching 1 to 10 of 1,263 items | [next](#)

Content Type: [Designs and Specifications](#) >  
Quality Control

Refine

by Text Search

☒ by Date

☐ by Content Type  
[Incident Surprise Anomaly](#) 692  
[Problem Failure Report](#) 567  
[Problem Log](#) 4

☐ by Missions and Projects  
[Cassini](#) 756  
[M98L](#) 12  
[Pathfinder](#) 495

☐ by Subsystem

**DESCRIPTION:** Analysis of PDT processing of an RSS observation in S04 uncovered several problems associated with Frame&Instrument Kernels (F&IKs) loading via a PDT configuration file and, also, manual loading of a Frame Kernel (FK).  
Date: [2004](#)  
Content Type: [Incident Surprise Anomaly](#)  
Missions and Projects: [Cassini](#)  
Collection: [Problem Reporting](#)

**DESCRIPTION:** We see a spurious rate violation when running the SASF [https://Cassiniisini.jpl.nasa.gov/science/utl/ftpupload/spurious\\_rate\\_viol\\_Emma.sas](https://Cassiniisini.jpl.nasa.gov/science/utl/ftpupload/spurious_rate_viol_Emma.sas) that lasts for just a couple of seconds. By looking in the kpt\_eo.pit, the tracking accelerations go to zero for two seconds (from 2007-292T01:12:59.250). There are sign changes in the 1st, 2nd and 3rd quaternion components starting  
Date: [2004](#)  
Content Type: [Incident Surprise Anomaly](#)  
Missions and Projects: [Cassini](#)  
Collection: [Problem Reporting](#)

**DESCRIPTION:** The AACs Delta V predictions for the bias in place of OTM001 and the two Probe Checkout 14 biases were outside of the expected values. The table below includes the event time, AACs prediction, Nav estimate, and Nav post-fit sigmas. Event Midpoint AACs\_pred NAV\_est sigma SCET-UTC (mm/s) (mm/s) (mm/s)  
Date: [2004](#)  
Content Type: [Incident Surprise Anomaly](#)  
Missions and Projects: [Cassini](#)  
Collection: [Problem Reporting](#)

*\*As presented at the Semantic Technology Conference, March 2005  
San Francisco, CA by Jayne Dutra, JPL, NASA*

## Case study: Fortuneoff Jewelers

- Simple yet powerful navigation interface
- Supports comparison and selection of jewelry, home-goods and giftware via category and other product facets

**Benefits:** Improved visitor conversion rates, repeat sales and ease of search



The screenshot shows the Fortuneoff Jewelers website interface. At the top, the logo "fortuneoff THE SOURCE" is displayed. Navigation links include Home, Fine Jewelry, Tabletop & Giftware, Home Store, Bedroom & Bath, Backyard Store, Baby Fortuneoff, and Gift & Bridal Registry. A search bar with a "GO" button is present. A sidebar on the left lists categories like Earrings, Bracelets, Necklaces & Pendants, and features like Shop By Price, Clearance, and Vintage Inspired. The main content area features a "Jewelry Catalog" section with images of jewelry, a "Boho Chic" section, and a "Wrist Candy" section. A "WELCOME TO THE Jewelry Collection" banner is also visible, along with a "The Source This Month" list and an "Undecided About What To Give?" section promoting gift cards.

## Case study: Environmental Health News

- Aggregating news stories from the Web
- Semi-automated metadata creation by a team of subject matter experts and editors

**Benefits:** Highly specific content search with easy user-driven creation of news feeds for automated syndication to other websites



The screenshot shows the homepage of the Environmental Health News website. The header features the site's logo, a search bar, and navigation links. The main content area is divided into three columns: 'In the News', 'New Science', and 'New Reports'. Each column contains a brief summary of a recent article with a 'More...' link for the full text.

**Environmental Health News**  
Compiled by Environmental Health Sciences

Front Page Archives About EHN Subscribe Contact

All fields  Go

**In the News:** Get quick access to breaking stories around the world.

20 November. [Deal Reached on Bush Plan to Thin Forests at Risk of Fire](#) With images of the devastating California fires fresh on their minds, congressional negotiators reached agreement Wednesday on a version of President Bush's plan for thinning the national forests to reduce wildfire risk. [Los Angeles Times](#), California.

29 October. [CNH reacts promptly to water woes](#). Amid the swirl of activity to protect the people living in the area a good neighbor has emerged. CNH, the farm equipment manufacturer located at Stolley Park Road and Highway 281, has agreed to pay the cost of hooking homes up to city water and to cap wells in the affected

**New Science:** Understand new scientific results that expand knowledge of environmental links to health.

**Phthalate linked to preterm birth.** A study from Italy finds that not only are DEHP and MEHP detectable in most Italian newborns, but that those with higher levels of MEHP are more likely to be born prematurely. This result suggests that at least some of the scientific effort to understand why the incidence of premature birth in the US has increased 23% since the early 1980's should focus on environmental contaminants in the womb, and specifically on phthalates. [More...](#)

**Testicular cancer linked to environmental exposures early in life.** Finnish men who immigrate to Sweden are much less likely to develop testicular cancer than Swedish men, no matter how old they were when they emigrated from Finland nor how long they lived in Sweden. These findings implicate exposures in the womb as important determinants of testicular cancer, and are consistent with an emerging theory about the causes of a pattern

**New Reports:** By organizations working to protect human health from environmental exposures.

**More trouble with MTBE in drinking water** The chemical has been detected in water supplies for at least 15 million people to date. Nonetheless Republican leaders in Congress are moving to protect oil companies from liability for having contaminated drinking water. [More trouble with MTBE in drinking water](#). Published by [Environmental Working Group](#)

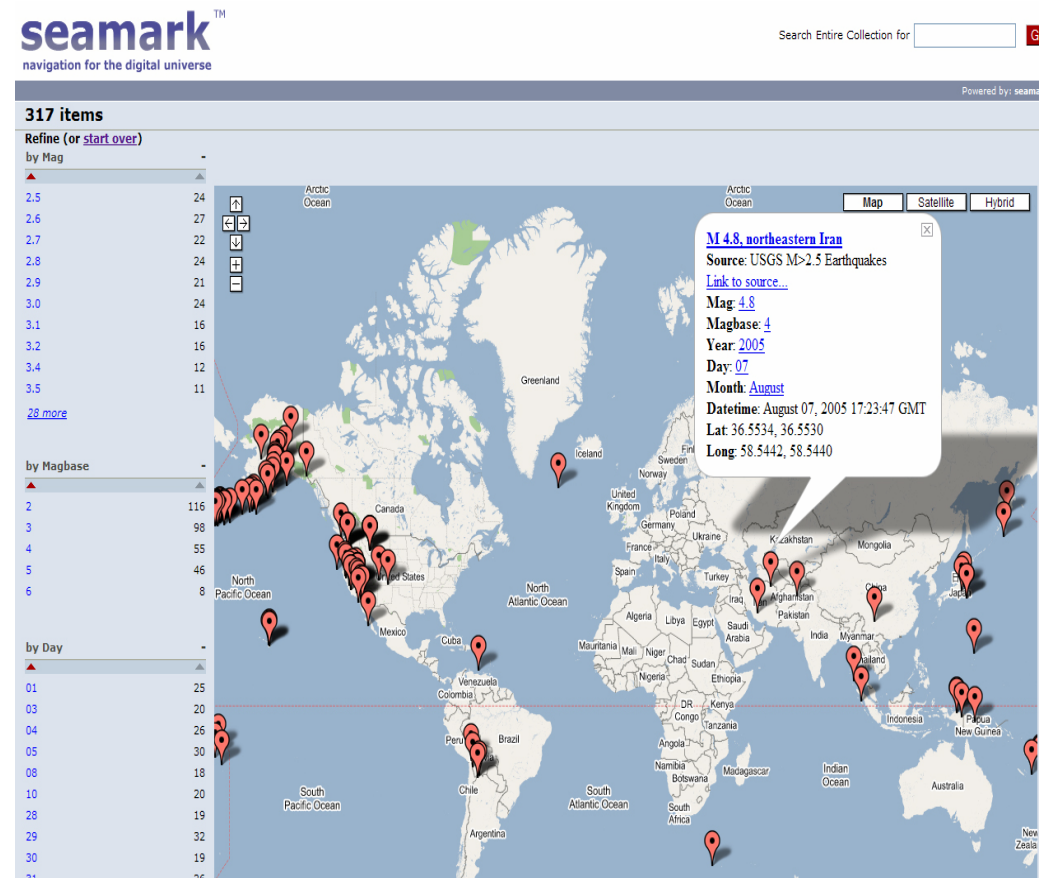
**EPA's Smoke Screen: How Deception of Congress, Campaign Contributions and Political Connections Guttled a Key Clean Air Rule** Documents and discussions with former U.S. Environmental Protection Agency (EPA) officials reveal that Bush appointees made untrue statements to two Senate committees [EPA's Smoke Screen: How Deception of Congress, Campaign Contributions and Political Connections Guttled a Key Clean Air Rule](#). Published by [Public Citizen](#)

**Shopper's Guide to Pesticides in Produce**



## Seamark / Geospatial Visualization Integration

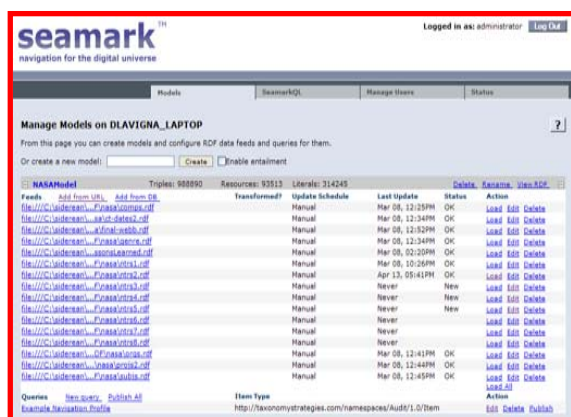
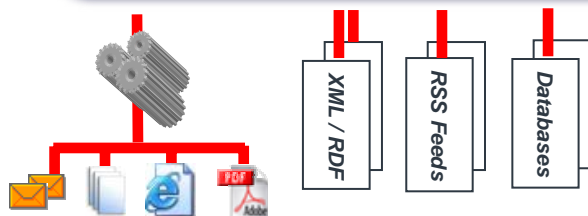
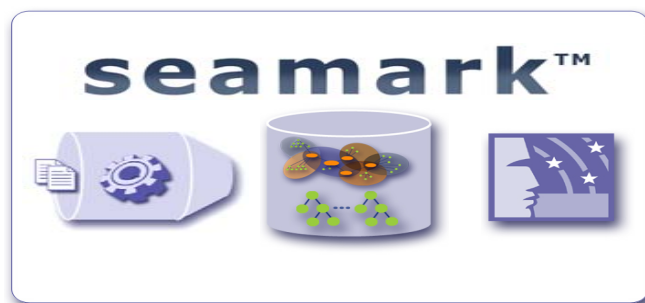
- Use Seamark's "pinpoint navigation" to quickly narrow search results
- Search selection (e.g. latitude, longitude, and other relevant metadata) is passed via Seamark "syndication" into 3<sup>rd</sup> party analysis tool (e.g. ArcInfo, GoogleMaps, Oracle Map Viewer, etc.)
- Split screen UI combining faceted navigation and 2-D / 3D visualization.



Seamark selection: "earthquakes in August 2005 of any magnitude" and associated textual metadata output to GoogleMaps

# Three steps to a Seamark application

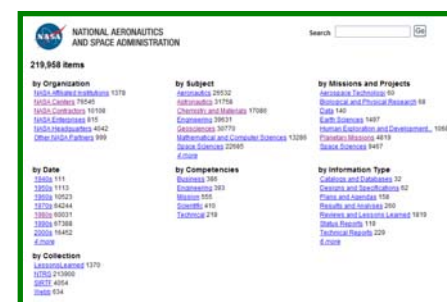
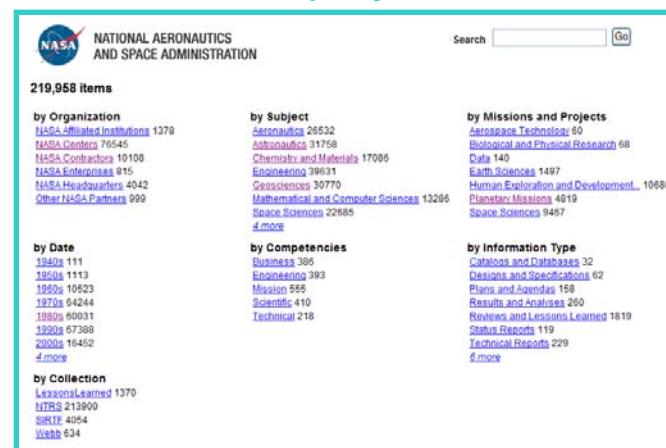
## STEP 3: Deploy & Discover!



## STEP 1: Define Metadata Sources

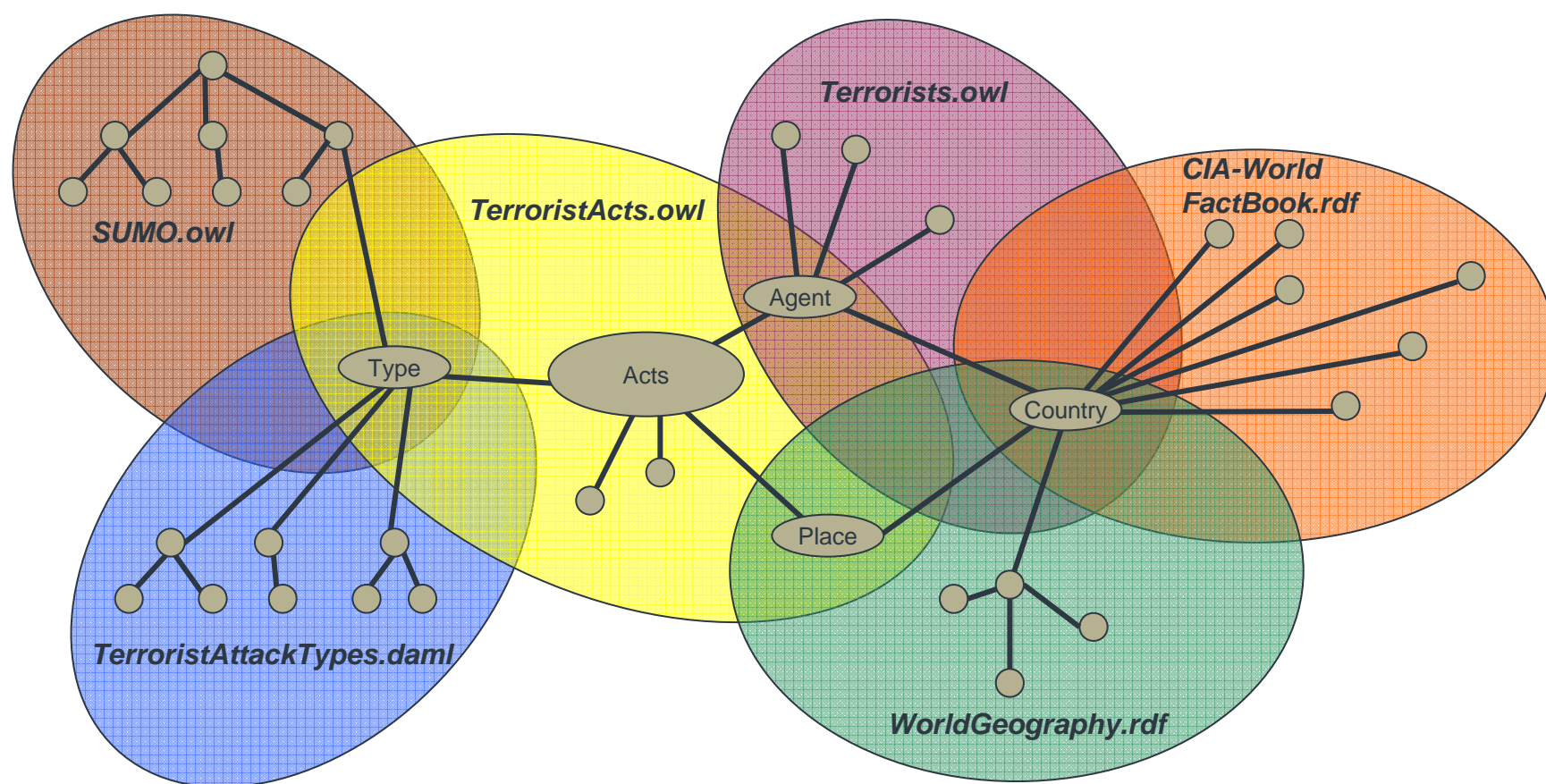


## STEP 2: Review or Refine Auto-Generated Navigation Template



Seamark Automatically  
Analyzes Your Metadata and  
Generates a Navigation  
Template

# Seamark aggregates data and content...



... into a dynamic navigational UI ...

**seamark**  
 navigation for the digital universe

Search  for  in

Powered by: seamark

**52 matching Terrorist Attacks** [XML](#)

Search Results [< Previous](#) **1-10 of 52** [Next >](#) Sort by: -- select --

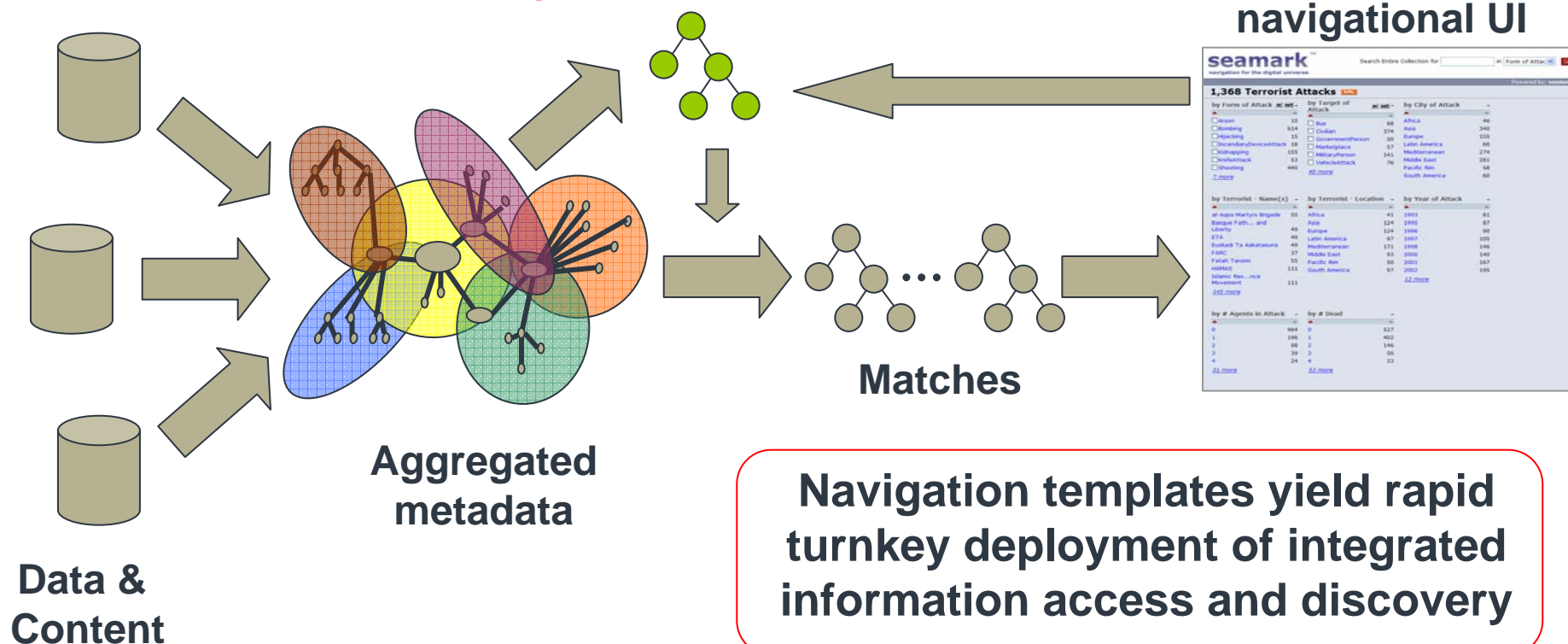
☒ **Terrorist - Name(s):**  
 HAMAS  
☒ **Form of Attack: Bombing**  
**Refine (or [start over](#))**  
 by Form of Attack ☐ or ☐ not -  
☐ CarBombing 5  
☐ HandgrenadeAttack 3  
☐ SuicideBombing 38  
 by Target of Attack ☐ or ☐ not -  
☐ Bus 14  
☐ EntertainmentBuilding 2  
☐ Marketplace 8  
☐ MilitaryPerson 5  
☐ Restaurant 4  
☐ Student 1  
[4 more](#)  
 by City of Attack -  
☐ Asia 33  
☐ Mediterranean 33  
☐ Middle East 37  
 by Year of Attack -  
☐ 1994 4  
☐ 1995 2  
☐ 1996 2  
☐ 1997 3  
☐ 1998 7  
☐ 1999 2  
☐ 2001 18

**HAMAS-Bombing-21-Mar-97**  
**Form of Attack:** [InternalChange](#), [Process](#), [Entity](#), Bombing, [TerrorAct](#), [Physical](#), [Damaging](#), [Destruction](#), [Resource](#)  
**Target of Attack:** [Restaurant](#)  
**Year of Attack:** [1997](#)  
**Month of Attack:** [March](#)  
**Day of Attack:** [21](#)  
**# Agents in Attack:** [1](#)  
**# Injured:** 48  
**# Dead:** [3](#)  
**City of Attack:** [Tel Aviv](#)  
**Country of Attack:** Israel  
**Country of Attack - Ethnic Group (CIA Fact):** Jewish 82% (Israel-born 50%, Europe/Americas/Oceania-born 20%, Africa-born 7%, Asia-born 5%), non-Jewish 18% (mostly Arab) (1993 est.)  
**Country of Attack - Government Type (CIA Fact):** republic  
**Country of Attack - Legal System (CIA Fact):** mixture of English common law, British Mandate regulations, and, in personal matters, Jewish, Christian, and Muslim legal systems; in December 1985, Israel informed the UN Secretariat that it would no longer accept compulsory ICJ jurisdiction  
**Country of Attack - International Disputes (CIA Fact):** West Bank and Gaza Strip are Israeli occupied with current status subject to the Israeli-Palestinian Interim Agreement - permanent status to be determined through further negotiation; Golan Heights is Israeli occupied; Israeli troops in southern Lebanon since June 1982  
**Country of Attack - Population (CIA Fact):** 5,534,672 (July 1997 est.) note: includes 136,000 Israeli settlers in the West Bank, 15,000 in the Israeli-occupied Golan Heights, 5,000 in the Gaza Strip, and 156,000 in East Jerusalem (August 1996 est.)  
[Click here for additional CIA facts about the Country of Attack](#)  
**Terrorist - Name(s):** [Islamic Resistance Movement](#), HAMAS  
**Terrorist - Location:** [Palestine](#)  
**Terrorist - Comments:** Formed in late 1987 as an outgrowth of the Palestinian branch of the Muslim Brotherhood. Various HAMAS elements have used both political and violent means, including terrorism, to pursue the goal of establishing an Islamic Palestinian state in place of Israel. Loosely structured, with some elements working clandestinely and others working openly through mosques and social service institutions to recruit members, raise money, organize activities, and distribute propaganda. HAMAS's strength is concentrated in the Gaza Strip and a few areas of the West Bank. Also has engaged in peaceful political activity, such as running candidates in West Bank Chamber of Commerce elections., Activities: HAMAS activists, especially those in the Izz el-Din al-Qassam Brigades, have conducted many attacks--including large-scale suicide bombings--against Israeli civilian and military targets. In the early 1990s, they also targeted suspected Palestinian collaborators and Fatah rivals. Claimed several attacks during the unrest in late 2000., Strength: Unknown number of hard-core members; tens of thousands of supporters and sympathizers., Location/Area of Operation: Primarily the occupied territories, Israel. In August 1999, Jordanian authorities closed the group's Political Bureau offices in Amman, arrested its leaders, and prohibited the group from operating on Jordanian territory., External Aid: Receives funding from Palestinian expatriates, Iran, and private benefactors in Saudi Arabia and other moderate Arab states. Some fundraising and propaganda activities take place in Western Europe and North America.  
*A terrorist detonated a bomb on the terrace of the Aprupo restaurant in Tel-Aviv. Three young women were killed and 48 people injured. The terrorist, a member of Hamas' al-Tzurif brigades, was also killed.*  
**HAMAS-Bombing-24-Sep-98**  
**Form of Attack:** [InternalChange](#), [Process](#), [Entity](#), Bombing, [TerrorAct](#), [Physical](#), [Damaging](#), [Destruction](#), [Resource](#)



## Dynamic, context-driven user navigation template in XML

## Dynamic navigational UI



## Conclusion

- Finding *precisely* what we need in today's glut of information is still profoundly difficult
- This problem requires a solution that lets you *search the way you think*
- Siderean is the first to deliver a standards-based turn-key enterprise solution for *pinpoint navigation*

**seamark<sup>TM</sup>**  
navigation for the digital universe

Search Entire Collection for  in **Form of Attack**

Powered by: seamark

### 1,368 Terrorist Attacks [XML](#)

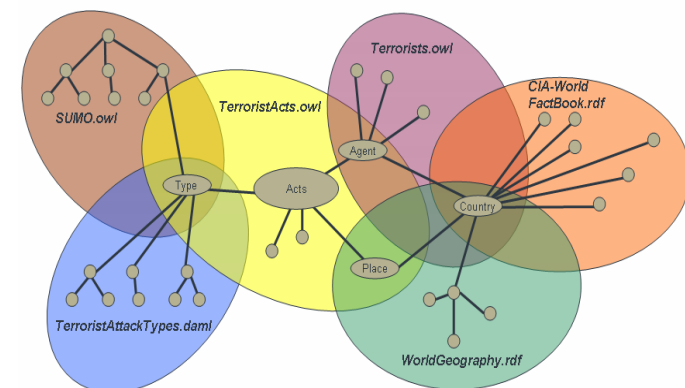
by Form of Attack		by Target of Attack		by City of Attack	
<input type="checkbox"/> Arson	15	<input type="checkbox"/> Bus	68	Africa	46
<input type="checkbox"/> Bombing	614	<input type="checkbox"/> Civilian	374	Asia	340
<input type="checkbox"/> Hijacking	15	<input type="checkbox"/> GovernmentPerson	50	Europe	155
<input type="checkbox"/> IncendiaryDeviceAttack	18	<input type="checkbox"/> Marketplace	57	Latin America	60
<input type="checkbox"/> Kidnapping	155	<input type="checkbox"/> MilitaryPerson	141	Mediterranean	274
<input type="checkbox"/> KnifeAttack	53	<input type="checkbox"/> VehicleAttack	76	Middle East	281
<input type="checkbox"/> Shooting	445			Pacific Rim	58
<a href="#">2 more</a>		<a href="#">40 more</a>		South America	60

by Terrorist - Name(s)		by Terrorist - Location		by Year of Attack	
al-Aqsa Martyrs Brigade	55	Africa	41	1993	81
Basque Fath... and Liberty	49	Asia	124	1995	87
ETA	49	Europe	124	1996	90
Euzkadi Ta Askatasuna	49	Latin America	97	1997	105
FARC	37	Mediterranean	171	1998	146
Fatah Tanzim	55	Middle East	93	2000	140
HAMAS	111	Pacific Rim	50	2001	167
Islamic Resistance Movement	111	South America	97	2002	195
<a href="#">145 more</a>		<a href="#">12 more</a>			

by # Agents in Attack		by # Dead	
0	964	0	527
1	196	1	402
2	98	2	146
3	39	3	56
4	24	4	33
<a href="#">21 more</a>		<a href="#">53 more</a>	



# Seamark Navigation Server specifications



- Data Sources
  - JDBC
  - RSS
  - XML
  - RDF
  - File system
- Core Components
  - Application Workbench
  - Seamark Navigation Server
  - Seamark Navigator
  - Web Services
- Platform Support
  - Solaris
  - Windows
  - Linux
- Client Interfaces
  - Web Browsers
  - RSS Aggregators
  - SOAP
- Database Support
  - Oracle
  - Microsoft SQL Server
  - MySQL
  - Hypersonic (included)



Siderean<sup>TM</sup>  
SOFTWARE

Search the way you think

For more information please contact:

Mike DiLascio

Siderean Software, Inc.

Office: +1 781 652 0339

Mobile: +1 781 354 7663

[mdilascio@siderean.com](mailto:mdilascio@siderean.com)

<http://www.siderean.com>