



**2010 DTIC CONFERENCE**  
**March 22-24, 2010**

*Celebrating 65 Years of Providing Access to Defense Information*

# **DoD Collaborative Tools with Innovative Web 2.0 Features: DoDTechipedia, DefenseSolutions and Aristotle**

**22 March 2010**

**Ms. Charlene Madaffer-Meehan**



# DoD Collaborative Tools

DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004

## **Mr. Christopher Thomas**

Director, Information Systems Support and  
Chief Technology Officer (CTO), DTIC

## **Mr. David Edwards**

Information Broker

Open Business Cell, Rapid Fielding, DDR&E

## **Dr. Joel C. Sercel**

Program Manager

Air Force Research Laboratory (AFRL)



# DoDTechipedia – Update

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## DoDTechipedia – Update

*Countering Threats Through  
Innovation and Information Sharing*

**Mr. Christopher Thomas**



# The Department of Defense Depends on Technology

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*“Our conventional modernization programs seek 99 percent solutions in years.*

***Stability and counterinsurgency missions – the wars we are in require 75 percent solutions in months.”***

Secretary of Defense, Robert M. Gates  
National Defense University, Delivered, September 29, 2008



# How Should We Respond?

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## Do What We've Always Done?

- Write RFI's and RFP's
- Pay contractors for custom solutions
- State that new technologies do not fit DoD needs

## Rapidly Adopt New Technologies?

- Develop new approaches
- Modify our practices to leverage innovative ideas
- Get 75% solution now

## Study Options?

- White papers from consultants
- Tiger teams
- Research policy implications



RFI: Request for Information

FRP: Request for Proposal





# Technology Is a Game Changer

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100,000 Apps: "There's an App for that"



How do we quickly and securely bring iPhone / Android / Kindle like innovation into our capability sets? How do we leverage other DoD integration efforts?



# Changing the Game? Standard DoD Issued Mobile Phone



DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Fi

ty Since 2004

2007



Today



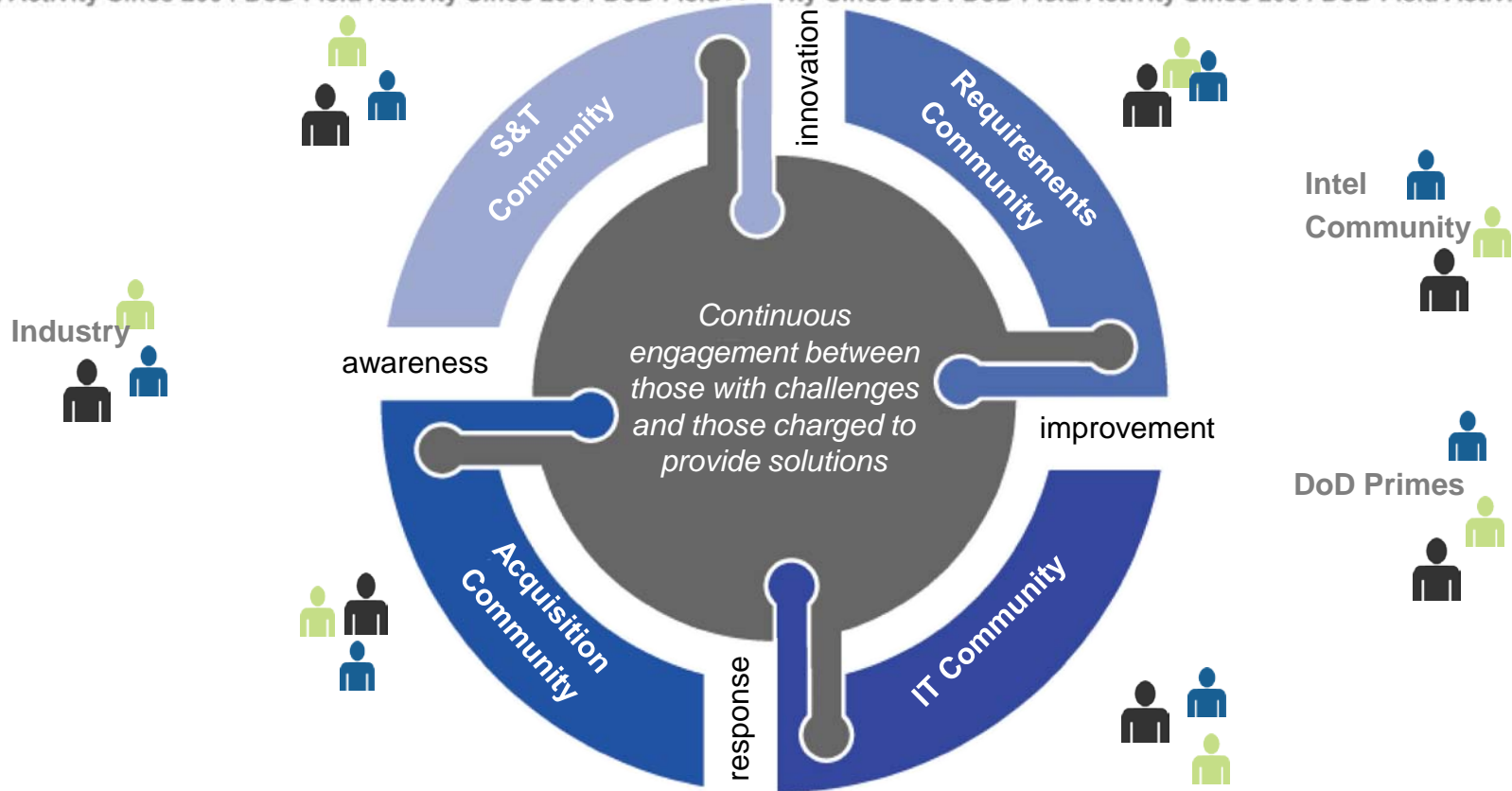
- Phone
- Email
- Address Book
- Calendar
- (really bad) Text Web Browser
- Calculator
- Break Out

- Phone
- Email
- Address Book
- Calendar
- (bad) Text Web Browser
- Calculator
- Break Out



# Moving Forward Requires Broad Collaboration Overcoming Barriers to Progress

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**Sharing Knowledge - Cutting across organizational boundaries**  
**Fostering communication between those with needs and those with solutions**  
**Refusing to accept mediocrity**



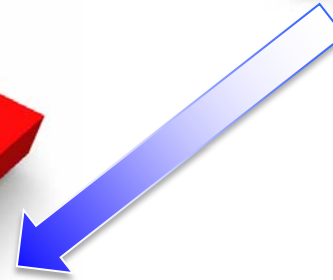




# Why Web 2.0 Technology for Collaboration?

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Combining knowledge, perspectives, and approaches from across the Defense Community



Will result in new innovative solutions and capabilities



# DoDTechipedia's Response

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A screenshot of the DoDTechipedia website. The page title is "Welcome to DoDTechipedia - Techipedia". The URL is "https://www.dodtechipedia.mil/dodwiki/display/techipedia/Welcome+to+DoDTechipedia". The page content includes a search bar, navigation links, and a featured article titled "Edgewood Chemical Biological Center". The article text describes the center's mission and activities.

Welcome to DoDTechipedia - Techipedia

UNCLASSIFIED ONLY

DoDTechipedia is open to DoD, Federal agencies and contractors for broad collaboration. Do not post DoD Only, company proprietary, acquisition sensitive, Privacy Act, or other information not appropriate for this audience. DoD does not warrant the accuracy or effectiveness of information posted. Opinions expressed are not official. See Guidelines.

## Welcome to DoDTechipedia

Article | Edit this page | Attachments (3) | History

Added by galuszczyn1234, last edited by Ashley Gots on Jun 29, 2009 (view change) @cw  
TinyLink (useful for email): <https://www.dodtechipedia.mil/dodwiki/x/AvAN>  
Labels: [EDIT LABELS](#) (None)

Announcing the availability of DoDTechipedia SIPRNET on Thursday, April 30, 2009  
<https://www.dodtechipedia.smil.mil> to collaborate in the SIPRNET environment.

### Featured Article: Edgewood Chemical Biological Center

The U.S. Army Edgewood Chemical Biological Center (ECBC), located at Aberdeen Proving Ground, Md., is the nation's principal research and development center for non-medical chemical and biological defense. ECBC develops technology in the areas of detection, protection, and decontamination and provides support over the entire lifecycle - from basic research through technology development, engineering design, equipment evaluation, product support, sustainment, field operations and disposal.

ECBC activities span the life-cycle of chemical and biological defense research and product development. From technology exploration to tactics, our staff develops and matures products and capabilities. Ms.

The logo for the Edgewood Chemical Biological Center (ECBC) is circular, featuring a stylized DNA helix and the text "EDGEWOOD CHEMICAL BIOLOGICAL CENTER" and "U.S. Army RDECOM Laboratory".A screenshot of the Defense Solutions.gov website. The page title is "The U.S. Department of Defense New Idea Portal". The page content includes a search bar, a "Propose an Idea" button, and a "Find Out More" button. The page text describes the portal's purpose and provides information on how to use it.

## The U.S. Department of Defense New Idea Portal

An Official Website of the Department of Defense

Propose an Idea  
Funding decisions fast: DoD's new idea portal

Find Out More  
Different ways to do business with DoD

The U.S. Department of Defense is looking for a few really good ideas – products, services, prototypes, and concepts that advance our military's missions.

DefenseSolutions.gov is a portal through which innovative companies, entrepreneurs, and research organizations can offer potential solutions to the

## Response:

DoDTechipedia introduces a Suite of Services that include an internal wiki, DefenseSolutions, and Aristotle Beta. These tools begin to provide a means to advertise, discuss, and challenge information rapidly, adding inputs to quickly identify/invent the 75% solutions commanders need.



# DoDTechipedia Progress Report



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Unclassified Wiki Data	2009 Users Conference	2010 Users Conference
New Registered Users	6,100	11,000
Total Articles/Org Pages	900	1,300+
Total Articles Viewed	170,000	364,000
Monthly Unique Hosts	300	800

## New Version Released in January 2010

- Enhanced Layout
- Invite a Friend
- Ask a Question
- Updated User Profile
- Improved Document Import
- Improved Editor
- Organization Badge
- Next Update via May 2010



# DTIC's Goal

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## Connecting S&T to the Enterprise

*Developing an agile information environment*



DTIC's goal is to provide an integrated space where the S&T community and the DoD Enterprise can intuitively **DISCOVER, ANALYZE, COLLABORATE, and DISCUSS** relevant data on science and technology topics





# Roadmap

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- Continuing enhancements to DoDTechipedia Wiki
- Allowing DoDTechipedia Wiki users to easily access DTIC Online content (Including contractors with CACs)
- Initiation of full-text indexing of TR's – adding Wiki content to DTIC Online AC search
- Aristotle Beta
- Simplified budget tool
- TechSpace social media component
- Update CAC support in Registration
- Visualization enhancements to add context to results
- Leveraging semantic search advances
- Shared Profile across tools



FY10

FY11

FY12 +





# A Tool Is Not Enough Challenges to Collaboration

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- Culture of Securing Information
- Balance must be developed between the risks and benefits of sharing
  - Not just preventing the wrong people from accessing information
  - **Ensuring the right people have access to information**
  - Identity Management remains a key challenge



**Securing**  
Information Saves Lives



**Sharing**  
Information Saves Lives

Decision Makers, Commanders, Acquisition Officials... must act. They need immediate access to **your knowledge and information** to make the best decision!



# What Is the Potential of Collaboration?

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- DoDTechipedia Suite of Services is not a single, stand-alone source, rather a set of tools, intended to provide users with multiple sources of information



- Giving users better information and additional **options** as they make decisions
- Moving to “75% solutions in months” not years



**We Need You on the Team: “Join the Fight”**



# Open Business Cell – Update

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# Open Business Cell – Update

**Mr. David A. Edwards**



# Open Business Cell UPDATE

**A Brief for the DTIC Conference**

**DoD Collaborative Tools with Innovative Web  
2.0 Features: DoDTechipedia,  
DefenseSolutions, and Aristotle**

**22 March 2010**



# What Does OBC Do?




- **Active outsourcing agent of DoD needs to companies that have not done business with DoD before**
- **Use Other Transactions (OT) Agreements to simplify relationships with “non-trationals,” and speed up contracting**
- **Reduce time to test prototype solution for need**





# Open Business Cell



- Pilot program launched 6 Feb 09 seeking developmental prototypes
- **DefenseSolutions.gov** 
  - Public portal to submit ideas on listed topics
- Submission process is short & free form
  - What does your idea do?
  - Why technically will this work?
  - How will we test it?
- **Battlefield forensics was pilot topic**
  - Needed capabilities: drugs/expl test kit; digital image recognition; auto latent print machine
  - 96 ideas received; 24 proposals requested
  - 6 proposals selected for funding in FY09.
- **Additional topics now sought**
  - More Battlefield Forensics, JNLWD, JUONS, IPLS, Crowdsourcing, & others



JNLWD: Joint Non-Lethal Weapons Directorate  
 JUONS Joint Urgent Operational Needs  
 IPLS: Integrated Priority Lists



# Battlefield Forensics Proposals Funded



## **Multi-Test Kit for Explosives, Drugs, and Heavy Metals/Gunshot Residue**

*A rugged field test kit for suspicious substances*

- Naval Air Warfare Center (\$150K@7 months) Awarded 17 Aug 09,
- USSOCOM (\$980K@24 Months ,Awarded 8 Oct 2009), &
- Georgia Tech Research Institute (\$500K @18 Months, Awarded 30 Nov 2009).

## **Digital Image Device Linkage at Warfighter Level**

*A method to determine the origin of digital cell phone photos*

- AAVET Inc. (\$400K @ 24 months, Awarded 27 Jan 2010)

## **Automated Process for Latent Fingerprint Development on Documents**

*A high speed document handler that develops and captures latent fingerprints*

- Lockheed Martin (\$1,750K@15 months, Awarded 26 Jan 2010) &
- Naval Air Warfare Center (\$500K@18 months, Awarded 17 Aug 09)

## **Handheld Sensitive Site Exploration Documentation Device;**

*A combination tool that speeds up the collection/custody of evidence in the field*

- Five proposals are under evaluation for funding in FY-10.



# Update Summary



- **OBC works – 6 funded projects underway within six months of selection**
- **Many lessons learned**
  - Good topics are hard to find
  - Program support is crucial
  - Contracting must be facile to suit the respondents
  - Marketing methods will change
- **Ready to proceed**
  - Expanding into JUONs, IPLs, and other areas, for new topics, but treading tenderly
  - Adopting new crowdsourcing method this year to expand solution capacity
  - Excellent working relationship with DeVenCI



# Aristotle – Update

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# Aristotle – Update

**Dr. Joel C. Sercel**



# Aristotle

## Built By and For DoD Scientists and Engineers



- Graph Data Model Provides Unique Capabilities
- Social Networking Designed for Scientists and Engineers
- Provides Constantly Improving Situational Awareness Re:
  - People
  - Projects
  - Topics





# Inspiration



## Aristotle: Personal Tutor of Alexander

- Tells you what you need to know, when, and how you need to know it





# Background



- Aristotle V1: Deployed across > 15 AFRL sites to > 10,000 science and technology workers
  - Integrated with AFRL's DTIC Projects and Topics
    - **>50,000 Project, >30,000 Topics**
    - **Reach-back to DTIC documentation**
    - **Active AFRL userbase**
- AFRL Motivation for Aristotle: Situational Awareness Regarding
  - People: who knows what and who?
  - Projects: What are we doing, what we have done
  - Topics: Science and Technology Knowledge
- DDR&E: funding Version 2.0 for deployment across DTIC User-base and full DTIC collection
  - ≈200,00 possible users
  - Same Motivation as AFRL
- Version 2.X Development Planned
  - Rich integration with DoDTechipedia and other systems (A-Space?)



# AFRL's Perspective



- AFRL is in the knowledge business, so leading edge knowledge management is key to our mission success
  - The leading edge of knowledge management today is Web 2.0 and social networking
  - Aristotle is more than LinkedIn for the technical enterprise
- AFRL funded the development of Aristotle to
  - Encourage/enable SME's to work across technical boundaries
  - Provide management with better technical and programmatic situational awareness

The more people use Aristotle, the better it is for AFRL users

  - The network effect
  - AFRL management intends to encourage Aristotle use across all sites and disciplines
  - Hence, AFRL's motivation for version 2.0



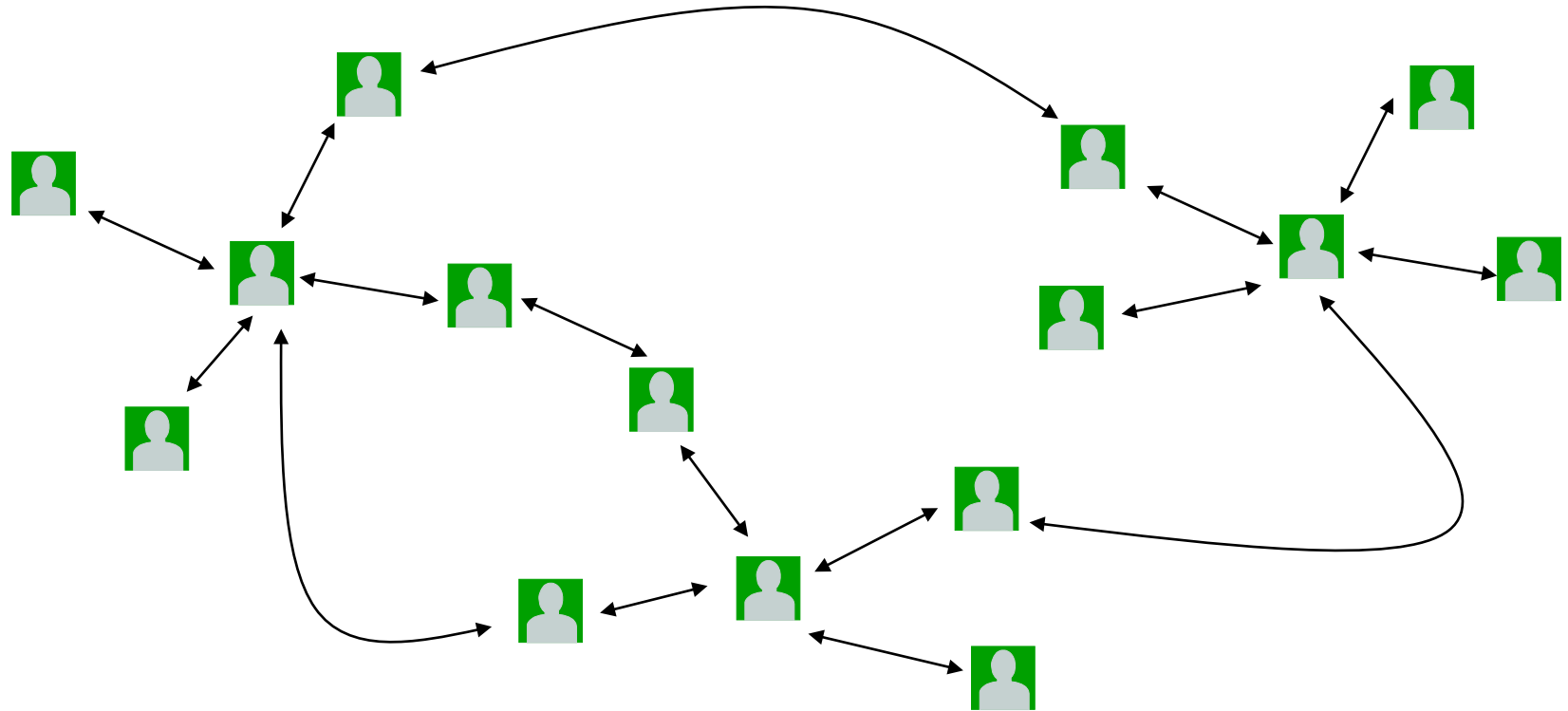
# Aristotle Helps People ...



- Easily find the answer to questions like . . .
  - Who has expertise in this area, where are they located?
  - Have we tackled a project like this before, what did we learn?
- More simply and easily access complex data
- Find and enhance information about S&T projects
- Build teams, identify experts, quickly expand contacts
- Exploit existing social networks within organizations
- Create new social networks across organizations
- Access information for better decisions
- Provide better, faster customer support
- Discover and build relationships among
  - People
  - Projects
  - Topics
- Synthesize knowledge from disparate sources



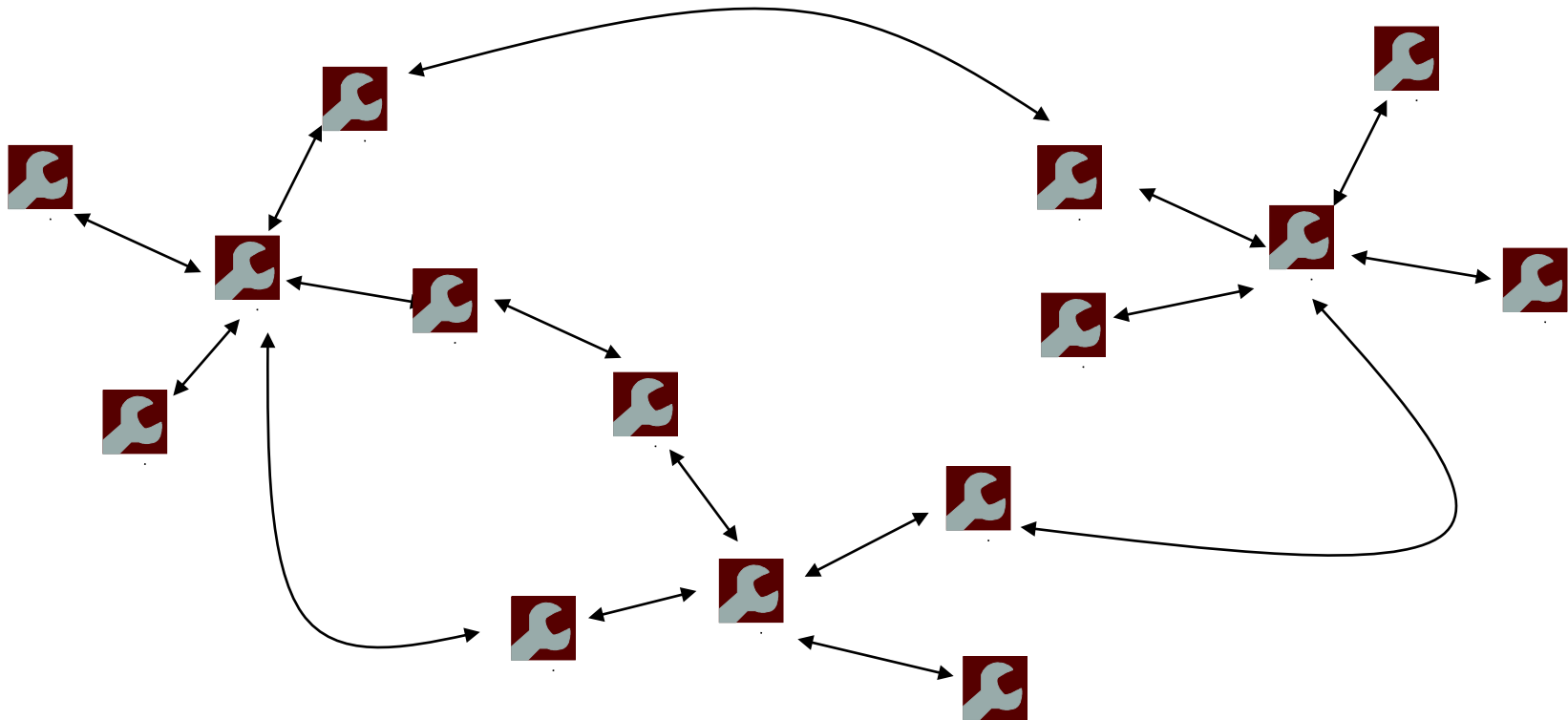
# For People , Aristotle is Like LinkedIn....




**... and could easily be made to work with A-Space**



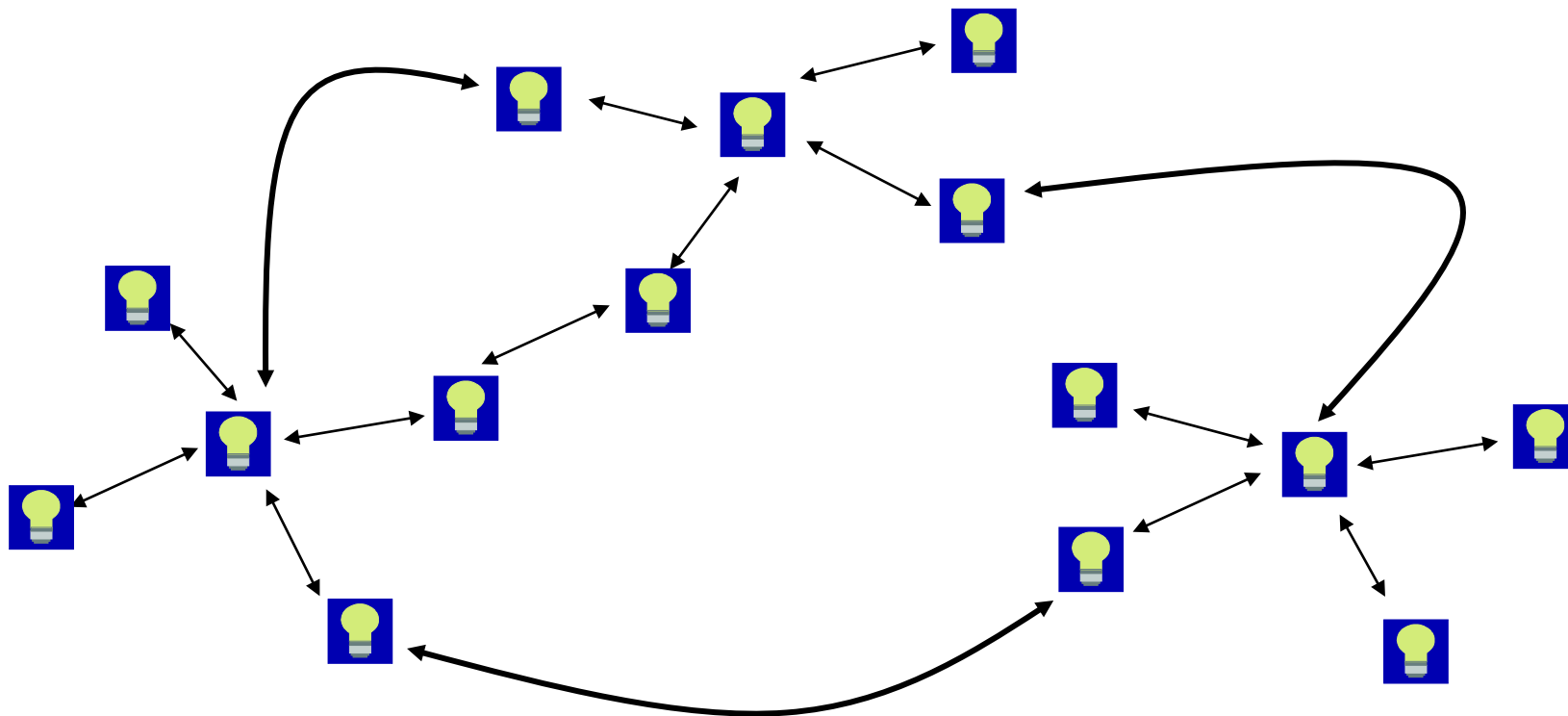
# Aristotle Creates Networks of Projects ...



But it does a lot more inside the enterprise ... 



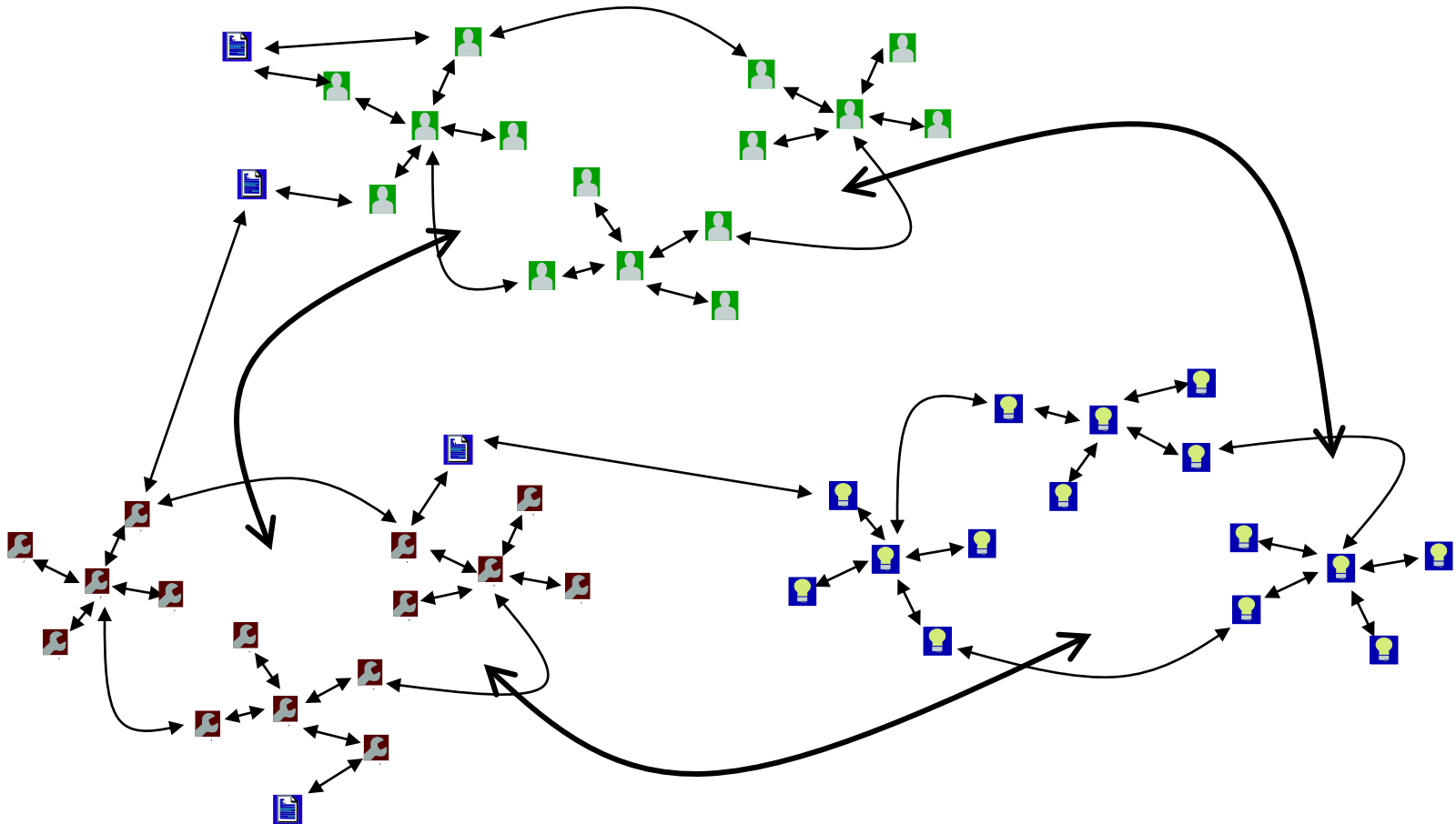
# For Topics , Aristotle is Like Wikipedia....



**And will tie to DoDTechipedia**



# Aristotle Ties Everything Together

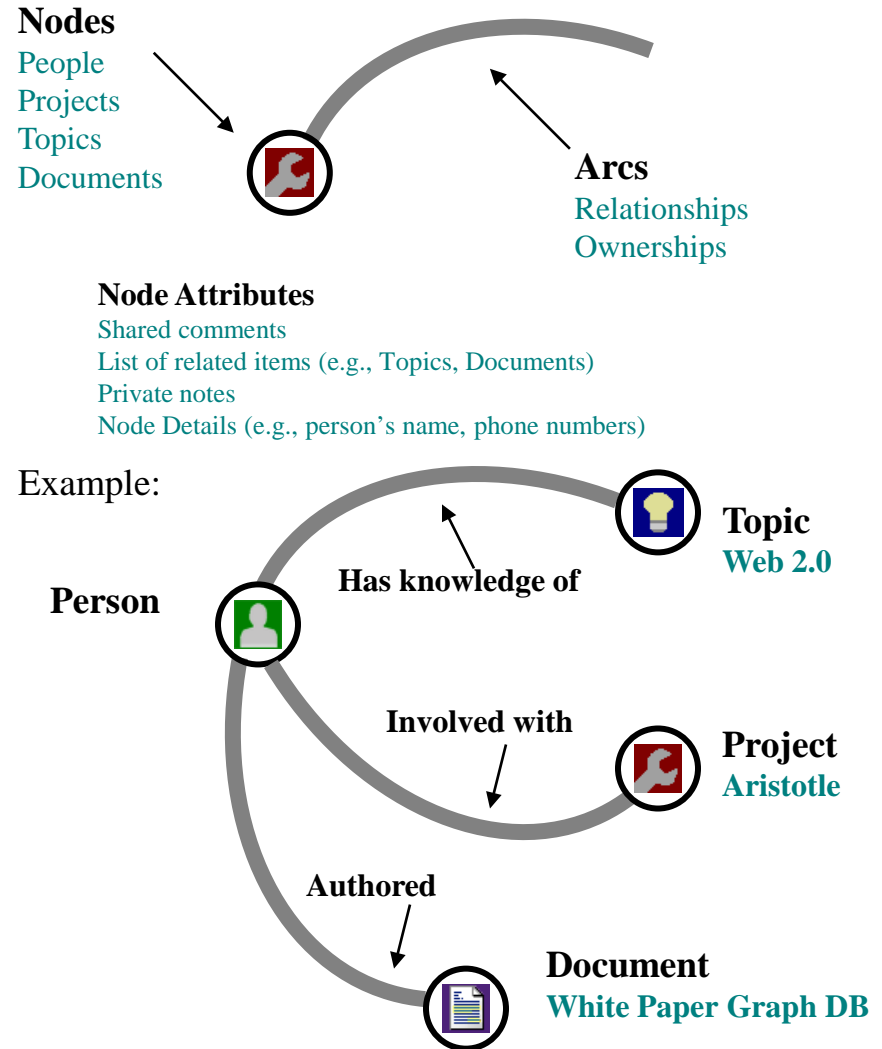


Providing Collaborative Situational Awareness

# Aristotle's GRAPH Data Model



- Explicitly models real-world relationships enabling users to discover the connections between entities
- Real-time, fully referential updating without re-indexing
- Supports multi-path searching for entities that are not directly related, e.g., indirect relationships with multiple degrees of separation





# People Profiles



**Aristotle**

AFRL

6 People 107 Projects 14 Topics

Sort by Relevance

- AFRL/Cornell Information Assurance Institute  
F49620-00-1-0170, F4962... [why?](#)
- TTCP Report for May Chan AFRL/PRSP Energetic In...  
Nitrocyamide salts were ... [why?](#)
- Radar Direction-Finding Technique Using Spiral An...  
AFRL scientists demonstrat... [why?](#)
- Textile Capacitor Patent: AFRL Earns Patent for an ...  
Three AFRL scientists, Will... [why?](#)
- Distributed Mission Training (DMT)  
The mission of the AFRL/H... [why?](#)
- Air Force Research Laboratory Fire Research (Post...  
FA4819-07-D-0001 [why?](#)
- Scenario-Based Affordability Assessment Tool  
The Air Force Research La... [why?](#)
- Development of High Performance Electronics an...  
Mayo has collaborated wit... [why?](#)
- Reusable Military Launch Systems (RMLS)  
The Air Force Research La... [why?](#)
- H2 Reconstitution  
F29601-00-D-0074 [why?](#)
- Study of Potential Spacecraft Target Near-Earth A...  
FA9550-04-1-0459, F4962... [why?](#)
- Experimental Elastic Deformation Characterization ...  
This presentation will detai... [why?](#)
- Investigation of Chemical Generation of Atomic Io...  
FA8655-02-M4040 [why?](#)
- Stw/ar  
N00014-97-D-2014/001 [why?](#)

**Actions List Pad**

- Aristotle
- Software Architecture
- Aristotle - A Social Networking Solution Designed...
- Alok Das

Add To List... Remove

File Edit View Search Account Help Sign Out... Alton Hoover

History Alton Hoover Aristotle Alok Das Aristotle - A...

## Alton Hoover

Overview Colleagues Expertise Shared Docs Change Log Notes

**Contact Information**

Name **Alton Hoover**

Email [ahover@peoplepointsystems.com](mailto:ahover@peoplepointsystems.com)

Business Address [Redacted]

Business Phone [Redacted]

Mobile Phone [Redacted]

Fax [Redacted]

Instant Messaging [Redacted]

Homepage <http://www.peoplepointsystem.com>

Edit

**Position**

Job Title **Vice President of Engineering**

Status **Current**

Organization/Location **PeoplePoint Systems, Inc./Glendale, CA**

Directorate [Redacted]

Division/Branch [Redacted]

Affiliation **Contractor**

Rank/Grade [Redacted]

Edit

**Publication List**

IEEE NAECON, "Aristotle - A Social Networking Solution Designed and Built for the Air Force Research Laboratory", June, 08

Internet World, "Securing The Enterprise", February, 95

InfoBase - Europe, 94

Computer Security Institute, November, 93

Federation of American Research Networks Conference, 91

Computer Currents, Networking, "The Promise And A View For The Nineties" October, 90

Edit

**Professional Interests**

Software Development

Internet Security

Product Life Cycle

Web 2.0

Enterprise Social Networking

Edit

**Picture**

Photo URL [https://peoplepointsystems.com/dtic\\_demo/getFile?id=1&name=AH+H...](https://peoplepointsystems.com/dtic_demo/getFile?id=1&name=AH+H...)

Edit

**Current Project(s)**

- Aristotle

Add To List... or drag Remove

**Knowledgeable In**

- Computer Programming And Software
- Computer Hardware
- Computer Systems Management And Standards
- Software Architecture

Add To List... or drag Remove

**Owns**

- Aristotle
- Aristotle - A Social Networking Solution Designed and Built for the Air Force Research Laboratory
- ECR Plasma Thruster

Remove

Private note

created: 3/14/08 7:25 PM updated: 1/21/09 5:59 PM





# Concept of A-Space Federation With Aristotle



- The Social Networking Parts of Both Systems Contain Similar Data
  - Who You Know
  - What you Know
- If A-Space (or D-Space) is deployed for DTIC Users, Aristotle could be federated with it via Web Services
  - A change in one system would reflect in the other
  - The two systems would strengthen each other



# Projects in Aristotle



**Aristotle**

Search... GO

People | **Projects** | Topics

Sort by Relevance

**Actions List Pad** Hide

Drag items here to save and open groups of items.

Add To List... Remove

File Edit View Search Account Help Sign Out... Joel Fently

History Joel Fently Safer Nano...

## Safer Nanomaterials And Manufacturing

Overview | **People/Orgs** | Projects/Topics | Shared Docs | Change Log | Notes

**Description**

Name: **Safer Nanomaterials And Manufacturing**

Description:  
The objective is to develop improved/safer nanoparticles for a wide variety of AF applications, including sensors and photo voltaic devices.  
13 Nov 2006

Edit

**Approach**

Develop new environmentally benign methods for nanoparticle manufacturing using microreactors. Investigate biological impact of nanoparticles and integrate nanoparticles into devices.

Edit

**Schedule**

Start Date **15 Aug 2005**  
Completion Date **26 Sep 2007**  
Details:  
Contract effective date: 18 Oct 2005  
Contract expiration date: 26 Sep 2007

Edit

**Budget**

Total Cost  
Cost to Complete  
Details:  
Value of the contract or grant: \$2169K  
Program element: 0602102F  
Program element: 602102F  
2006: \$1574K  
2005: \$2181K

Edit

**Picture**

Photo URL

Edit

**Administrative**

Distribution: **Government & Contractors**  
Status: **Active**  
Core Process  
Contract Number **FA86500515041**  
Performance Method **Grant**

Edit

**Related FLTC / CTC**

Add To List... or drag

**Accomplishments**

FROM 21-JUL-05 TO 11-AUG-06 FROM 21-JUL-2005 TO 11-AUG-2006 The group has been established with three thrusts for designing benign nanoparticles, developing greener nanomanufacturing methods and interfacing nanoparticles and nanostructures into devices.

Edit

Private note 1 DAY created: 8/14/08 3:35 PM updated: 11/4/08 2:39 PM



# Topics in Aristotle



**Aristotle**

Search... **GO**

People Projects Topics

Sort by Relevance

**Actions List Pad** Hide

Drag items here to save and open groups of items.

Add To List... Remove

File Edit View Search Account Help Sign Out... Joel Fently

History Joel Fently Safer Nano... Chemistry

## Chemistry

Overview Shared Docs Change Log Notes

**Description**

Name: **Chemistry**  
Also known as:  
Description:  
Chemistry: topic from DTIC database

Picture  
Photo URL Edit

Owners

People Subscribed To This Topic

Knowledgeable

Add To List... or drag

**Related Projects**

Sort by Most Connected

- Methodologies 4 Understanding Agent Interactions W/ma...
- Quasicrystalline Films For Tribological Applications: Role ...
- Visualization Laboratory
- Glass Box: The Integration Framework And Analyst Capt...
- Enhancing Laboratory Science
- Chemistry And Pharmacology Of Long Term Potentiation:...
- Safer Nanomaterials And Manufacturing
- Evaluation Of Chemistry And Life Sciences Research Pro...
- Analytical Equipment For Chemistry Research
- Enhancing The Chemistry Curriculum, Teaching & Resear...

Page: 1 of 2

Add To List... or drag Remove

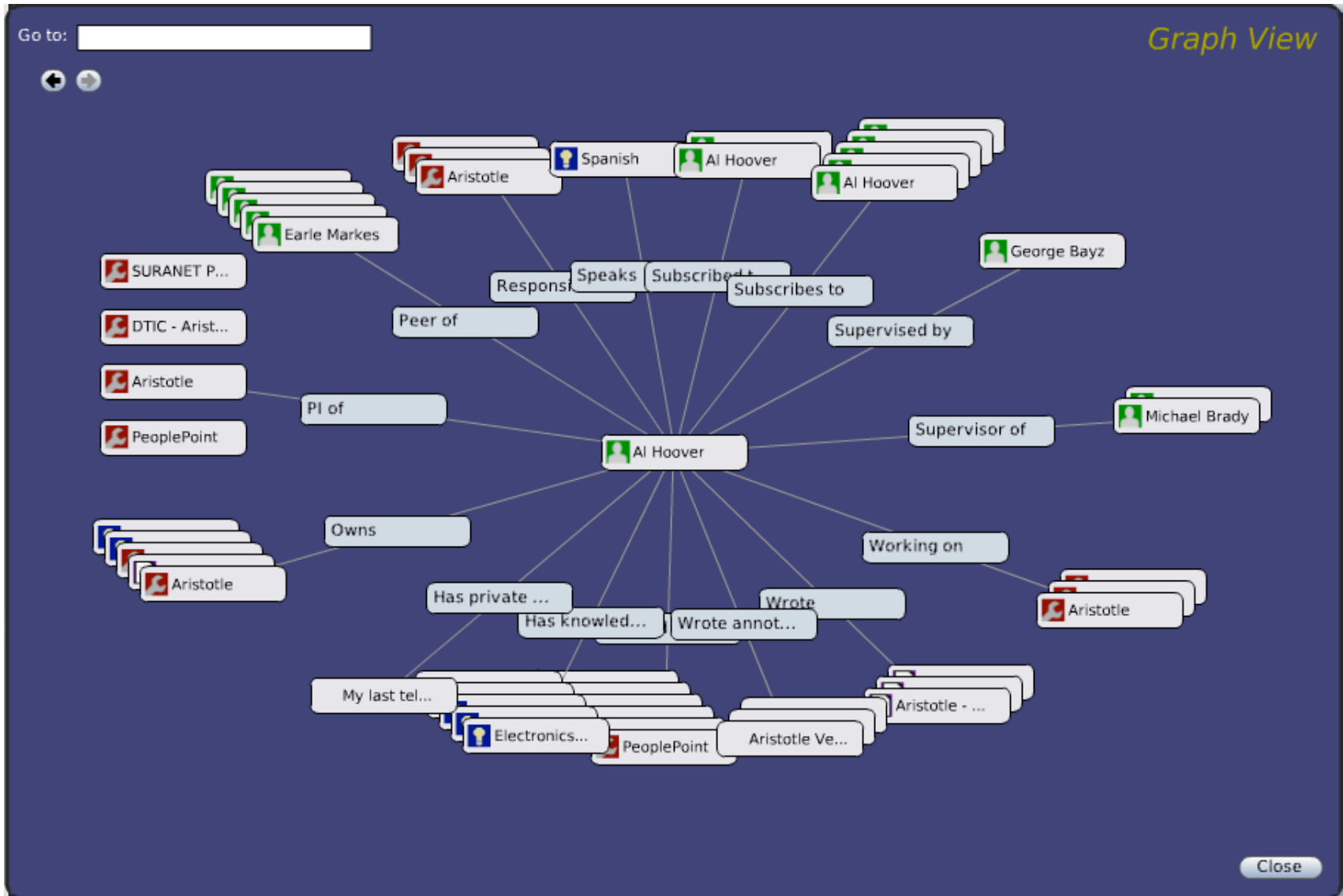
**Related Topics**

Add To List... or drag

Private note created: 8/14/08 3:35 PM updated: 8/14/08 3:43 PM 1YR



# Aristotle Graph Visualization








# Aristotle Advanced Search




**Advanced Search**


**Search for:** People Projects Topics


  


Find a person that matches


all of  any of:

 Worked on  a project with:

 Name  contains  laser

 PI of  a project with:

 Name  contains  plasma

 State  contains  CA

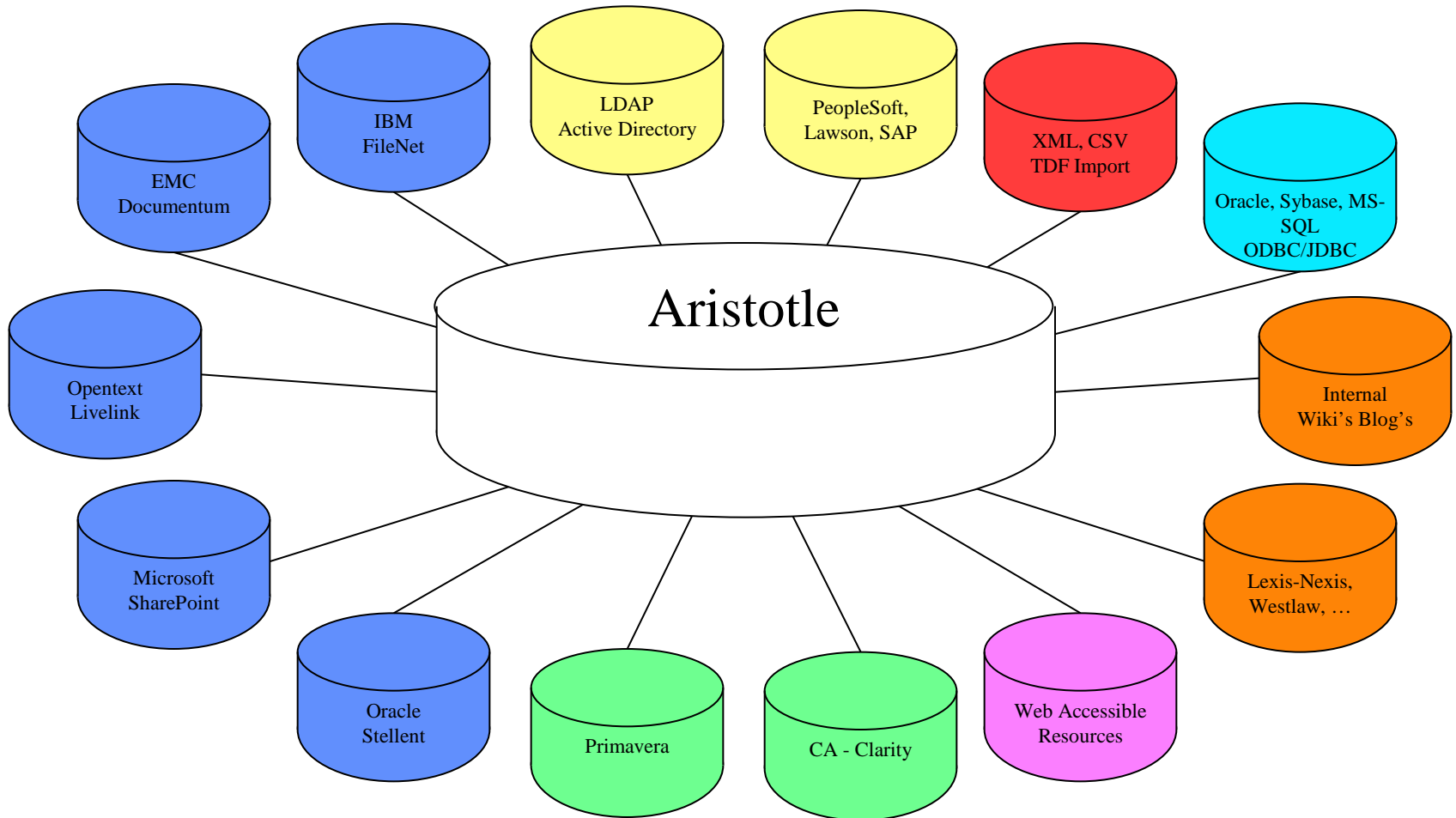




# Data Source Integration



**Aristotle integrates data from ECM, Project Management, HR and internal and trusted external sources via XML gateway, JDBC, direct Web links and standard data import**





# Aristotle Software Architecture



- **AJAX Web 2.0 application: Hibernate & Lucene**
- **Web Browser Client (IE 6/7, Firefox 3.X)**
- **OpenLaszlo Based - Flash migrating to DHTML and JavaScript**
- **Solaris 10, Red Hat Enterprise 5, SUSE Linux Enterprise Server 10 SP1, Windows Server 2008 Enterprise\***
- **Hibernate SQL database layer abstraction supporting: Oracle 10G R2, MS SQL 2008 Enterprise\*, MySQL**
- **JDBC access to remote databases**
- **External data import via calls to XML gateways or bulk load parsing of XML tagged files or CSV/TDF**
- **Web Services - Apache, Tomcat & IIS**
- **Email messaging**



# Aristotle For DDR&E - Roadmap



- Version 1
  - Currently deployed and in-use at AFRL
  - User-base of 10,000 across many sites
  - Fully integrated with AFRL DTIC archival content
- Version 2
  - V2.0 deployment for all DTIC users, fieldable system delivery in May 09, includes systems engineering and initial integration with DoDTechipedia system
  - V2.X refinement and expansion delivered incrementally over an additional 9 months
    - Incremental deployments along the way
    - Includes collaboration for full DoDTechipedia integration
    - A-Space (D-Space) integration feasible if resourced



# Development for Version 2.0



- Aristotle Today
  - What's New
  - What's Hot
  - Related News
- Systems Engineering and Design for DoD  
Techipedia Integration
- XML Ingest Utilities for Content Integration
  - For enterprise with XML-based Web Services
- Integrate With SiteMinder/LDAP for User Authentication
- SunONE JBoss Server/Deploy Environment
- Source Code Security Validation
- Virus Scan Compatibility



# The Existing Aristotle For Science and Technology (S&T)



- Provides:
  - Situational Awareness Regarding S&T Work
  - Rapidly Reformulated
    - Responsive Data Structure
- For:
  - Organizations
  - Management
  - Technologists

**People-Projects-Topics-Documents**



# Concept of A-Space Federation with Aristotle



- **The Social Networking Parts of Both Systems Contain Similar Data**
  - Who You Know
  - What You Know
- **If A-Space (or D-Space) is deployed for DTIC Users, Aristotle could federate with it via Web Services**
  - A change in one system would reflect in the other
  - The two systems would strengthen each other





# Summary



- **Aristotle is a proven product in use by the AFRL enterprise**
- **Provides collaboration, social networking, and situational awareness to Science and Technology (S&T)**
- **On-going Aristotle improvement efforts with DDR&E are expanding these benefits and providing connectivity among all service labs.**
- **Aristotle also has strong application to a myriad of other DoD domains.**



# Points of Contact

DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004 DoD Field Activity Since 2004

**Mr. David A. Edwards**

**DDR&E**

**(703) 588-2413 (O)**

**(571) 334-7821 (Cell)**

**[David.a.edwards.ctr@osd.mil](mailto:David.a.edwards.ctr@osd.mil)**

**[dedwards@sainc.com](mailto:dedwards@sainc.com)**

**<http://www.defensesolutions.gov>**

**Mr. Christopher Thomas**

**DTIC**

**703-767-9124**

**[cthomas@dtic.mil](mailto:cthomas@dtic.mil)**

**<https://www.dodtechipedia.mil>**

**[http://www.defensesolutions.gov/suite\\_of\\_services.html](http://www.defensesolutions.gov/suite_of_services.html)**

**Dr. Joel C. Sercel**

**AFRL**

**(818) 422-05114**

**[sercel@icsassociates.com](mailto:sercel@icsassociates.com)**

**Ms. Charlene Madaffer-Meehan**

**DTIC**

**703-767-8248**

**[cmadaffe@dtic.mil](mailto:cmadaffe@dtic.mil)**



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