



# Defense Technical Information Center: Overview and What's New

Military Librarians Training Workshop  
11 December 2019  
Roberta Schoen



# DTIC Mission, Vision, Lines of Business

## Mission

DTIC aggregates and fuses science and technology data to rapidly, accurately and reliably deliver the knowledge needed to develop the next generation of technologies to support our Warfighters and help assure national security.



## Vision

DTIC will be the organization of choice for, and pre-eminent provider of, technical research, knowledge management, collaboration and analysis within the Department of Defense.



## Lines of Business

**Collection** – Collect, preserve, and manage defense technical information

**Dissemination** – Facilitate DoD RDT&E information discovery and collaboration

**Information Analysis Centers** – Provide technical data and analysis

**Information Technology** – Secure hosting of DoD information and applications

**Resources** – Manage financial and human resources

**Program Management** – Supports software development, testing, and acquisition



# DTIC's Unique Mission

- DTIC is the only organization chartered to meet the information needs of all users across the DoD, industry, federal government and citizen science – Effective Sharing to Verified Authorized Users

Information Level Tool	Publicly Accessible Information 	Limited to Federal Government & Contractors 	Limited to DoD & DoD Contractors 	Limited to Federal Government 	Limited to DoD 	Industry Proprietary Information 
DTIC – R&E Gateway	✓	✓	✓	✓	✓	✓
Google.com	✓					
Intellipedia	✓	✓	✓			
MilSuite	✓		✓			
NTIS	✓					

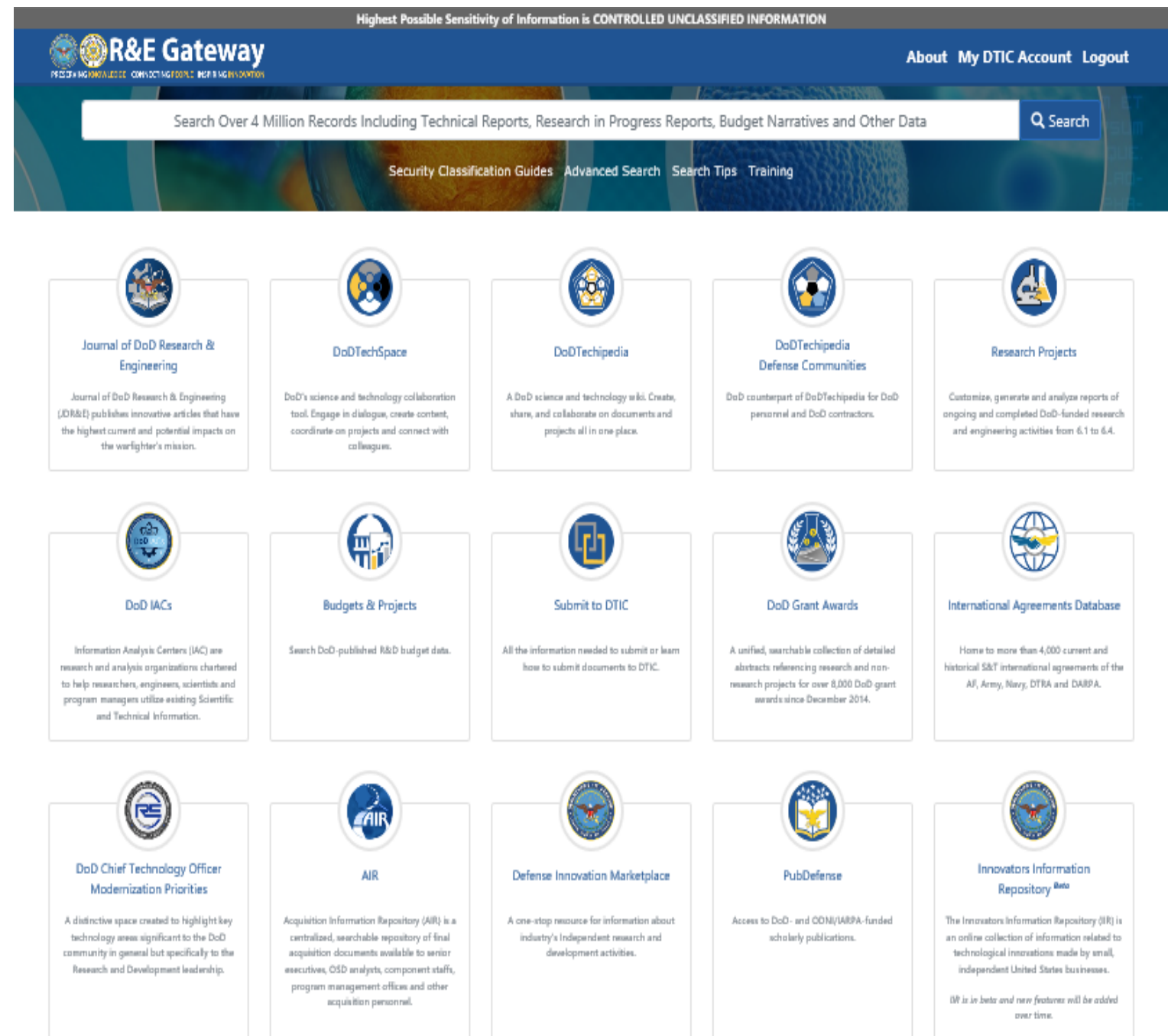




# R&E Gateway Homepage

There are two main areas on the homepage:

- Search bar and Links to DoD tools
- DoD has fourteen primary tools:
  - **Search**
  - **Journal of DoD R&E**
  - **DoDTechSpace**
  - **DoDTechipedia/Defense Communities**
  - **Research Projects (URED)**
  - **DoD IACs**
  - **Budgets & Projects**
  - **Submit to DTIC**
  - **DoD Grant Awards**
  - **International Agreements Database**
  - **DoD Chief Technology Officer Modernization Priorities**
  - **Acquisition Information Repository (AIR)**
  - **Defense Innovation Marketplace**
  - **PubDefense**
  - **Innovators Information Repository**





# R&E Gateway Search



# Advanced Search

Separate fields plus pull-down filters for:

1. Select **Collection**
2. Select **Communities of Interest**
3. Select **Modernization Priorities**
4. Select **Distribution**
5. Select **Classification**
6. Select **Full Text only** or **SBIR**

Search R&E Gateway Powered by DTIC

Welcome Roberta

### Advanced Search

Cancel Clear Search

Search Term(s) - Searches citations and full-text documents  
3000 Character limit

Citation Search Term(s)

Title

Accession #

Author

Subject

By Date

Report Date ▼ yyyy-MM-dd to yyyy-MM-dd +

Organization

Organization ▼

Collection Categories ⓘ

Communities Of Interest ⓘ

Modernization Priorities ⓘ

Budget (R2 & P40 only) ⓘ

Distribution ⓘ

Classification ⓘ

Other Restrictions

Cancel Clear Search



# Save Results and Search

1. Click the green **+** to add a document to **My Saved Research**.
2. Select **Save Current Page Results** and click **Save** to save all of the results on the page.
3. Select **Save My Search** and click **Save**.
4. Enter title in the **Save As** field.
5. If desired, set **Schedule Frequency** to On and select a frequency.
6. Click **Save**.

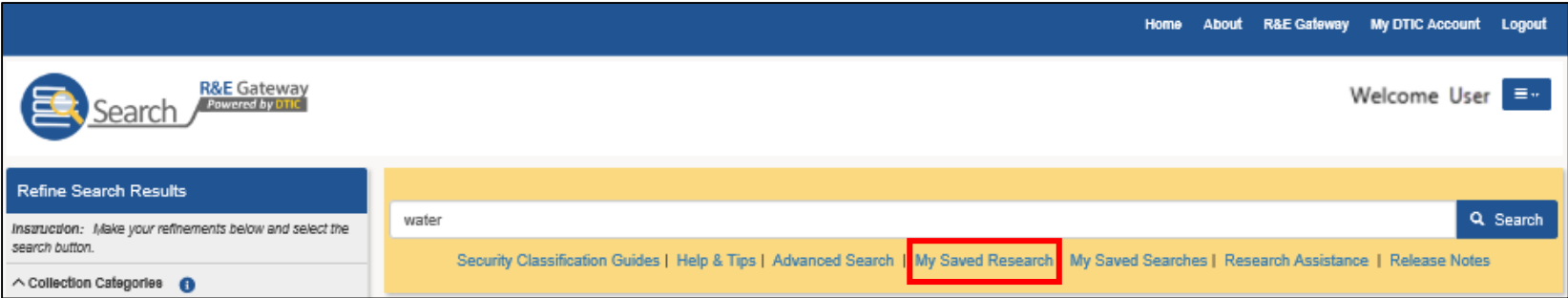
**Note:** Use **Refine Search Results** options to refine the current search query.



# Viewing and Exporting Search Results

To view and export saved search results:

- 1. Click **My Saved Research**.
- 2. Click **Export**.



My Saved Results

Export Remove All

Hits per page 10 Showing 1 - 5 out of 5 results

1	<p><b>DNAPL and LNAPL Distributions in Soils; Experimental and Modeling Studies.</b> Author(s): Dumford, D. S., McWhorter, D. B., Miller, C. D., Swanson, A., Marinelli, F., Trantham, H. L. Org: COLORADO STATE UNIV FORT COLLINS</p>	1997-10-01 ADA342524 A - Approved for Public Release. <a href="#">View Full Text</a>
2	<p><b>Fort A.P. Hill Soil Permittivity and Conductivity Measurements for the Wide Area Airborne Minefield Detection Program</b> Author(s): Smith, Gregory D., Stanton, Brian J. Org: ARMY RESEARCH LAB ADELPHI MD</p>	2003-09-01 ADA417988 A - Approved for Public Release. <a href="#">View Full Text</a>
3	<p><b>Rapid Soil Stabilization and Strengthening Using Electrokinetic Techniques</b> Author(s): Morefield, Sean W., McInerney, Michael K., Hock, Vincent F., Marshall Jr, Orange S., Malone, Philip G., Weiss Jr, Charles A., Sanchez, Joan Org: CORPS OF ENGINEERS VICKSBURG MS</p>	2004-12-01 ADA432553 A - Approved for Public Release. 26 - Not available in Microfiche. <a href="#">View Full Text</a>
4	<p><b>Soil-Vegetation Correlations in Prairie Potholes of Beadle and Deuel Counties, South Dakota.</b> Author(s): Hubbard, Daniel E., Millar, James B., Malo, Douglas D., Higgins, Kenneth F. Org: SOUTH DAKOTA STATE UNIV BROOKINGS</p>	1988-07-01 ADA322839 A - Approved for Public Release. <a href="#">View Full Text</a>
5	<p><b>Seismic Analysis of Intake Towers Considering Multiple-Support Excitation and Soil-Structure Interaction Effects</b> Author(s): Vidot, Alder L., Suarez, Luis E., Matheu, Enrique E., Sharp, Michael K. Org: PUERTO RICO UNIV MAYAGUEZ DEPT OF CIVIL ENGINEERING</p>	2004-09-01 ADA427787 A - Approved for Public Release. <a href="#">View Full Text</a>

Export

Citation Format(export to Excel spreadsheet only)

All Fields

Cancel Export





# Research Budget and Progress Information (RBPI)



# RBPI Homepage

There are four components to Research Budget and Progress Information (RBPI):

- SEARCH, EXPLORE, ANALYZE, and REFERENCE
- Each RBPI component can be accessed in two ways:
  - RBPI Homepage buttons
  - RBPI Menu bar
- The current fiscal year **DoD Congressional Budget Data Reports** are also available on the RBPI Homepage.
  - Select a report year by clicking the **Year** dropdown list
  - Select the report title link to download a PDF of the entire report
  - Select links under the headings **RDT&E**, **Procurement**, **O&M**, and **Personnel** to download PDFs (full text) or Excel files (data listed by number) of those specific sections of each report

Research Budget and Progress Information R&E Gateway  
Powered by DTIC

About R&E Gateway My DTIC Account Logout

Welcome User Name

SEARCH EXPLORE ANALYZE REFERENCE

Welcome to the preview for the new Research Budget and Progress Information (RBPI) application of the Defense Technical Information Center (DTIC). If you have feedback that would help us support your mission, we would like to hear them! Please contact us using the Feedback icon in the left navigation panel. Also, for more about this service, please go to the **About** section in the menu at the top right.

SEARCH EXPLORE ANALYZE REFERENCE

DoD Congressional Budget Data **2019** Reports

	RDT&E	Procurement	O&M	Personnel
<b>National Defense Authorization Act</b>				
<a href="#">FY2019 HASC (House Report HR5515)</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>
<a href="#">FY2019 SASC (Senate Report 115-262)</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>
<a href="#">FY2019 Authorization Conference Report</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>
<b>DoD Appropriation Act</b>				
<a href="#">FY2019 HAC (House Report HR115-769)</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>
<a href="#">FY2019 SAC (Senate Report HR115-290)</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>
<a href="#">FY2019 Appropriation Conference Report</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>	<a href="#">PDF XLSX</a>



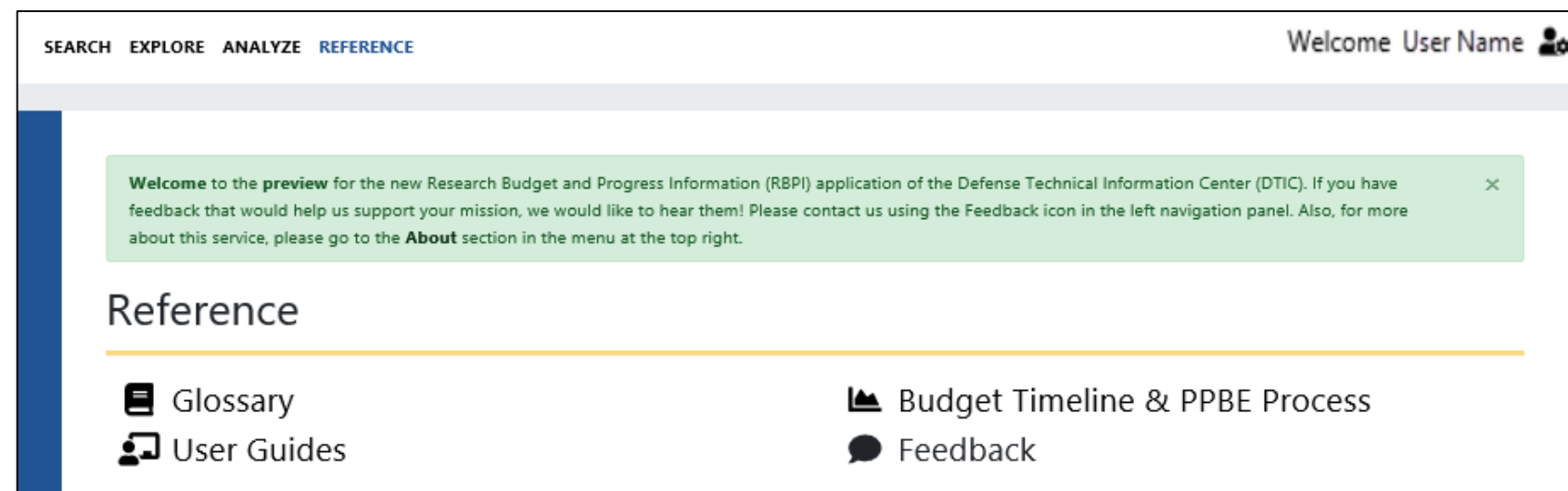
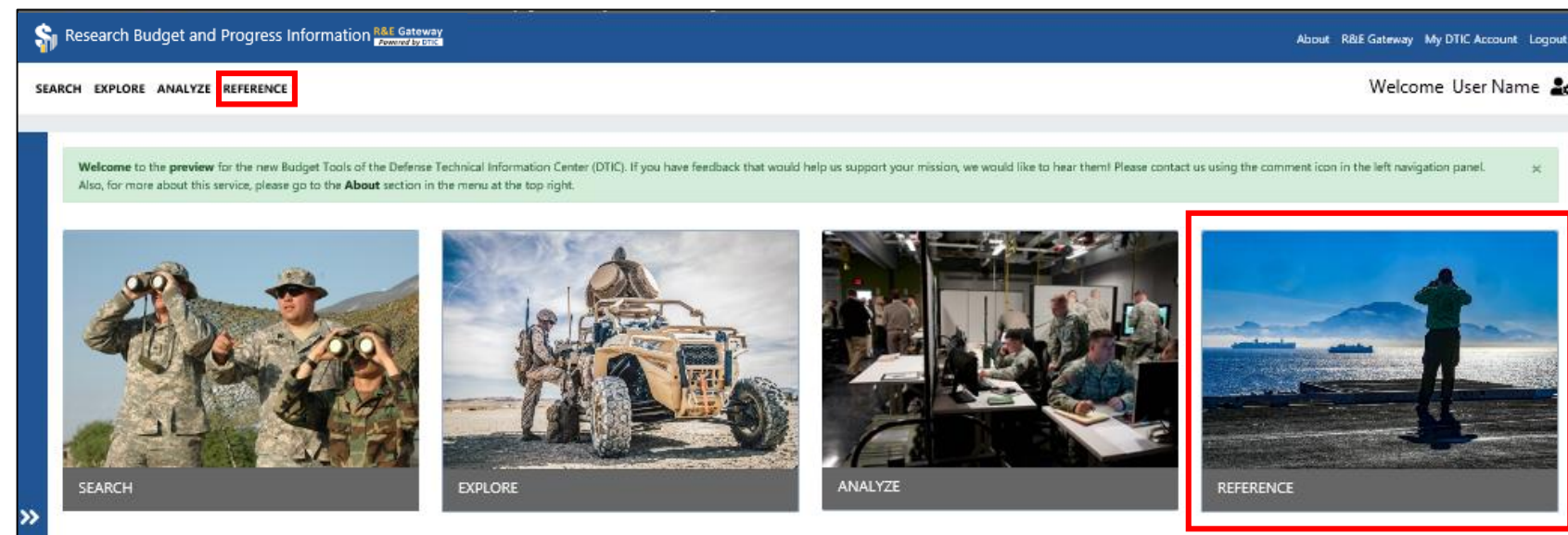
# RBPI Resources

There are four resources available to assist users with using RBPI and understanding the budgeting process:

- Glossary
- User Guides
- Budget Timeline & PPBE Process
- Feedback

Each resource can be accessed in two ways:

- RBPI Homepage Reference button
- RBPI Menu bar → click **REFERENCE**





# Collaboration Tools





# DoDTechipedia Homepage

DoDTechipedia is a wiki tool which allows users to create spaces to:

- Share information.
- Store documents and other files
- Collaborate with colleagues (government personnel and contractors)
- The main navigation for the site is accessible from every page in the blue bar across the top

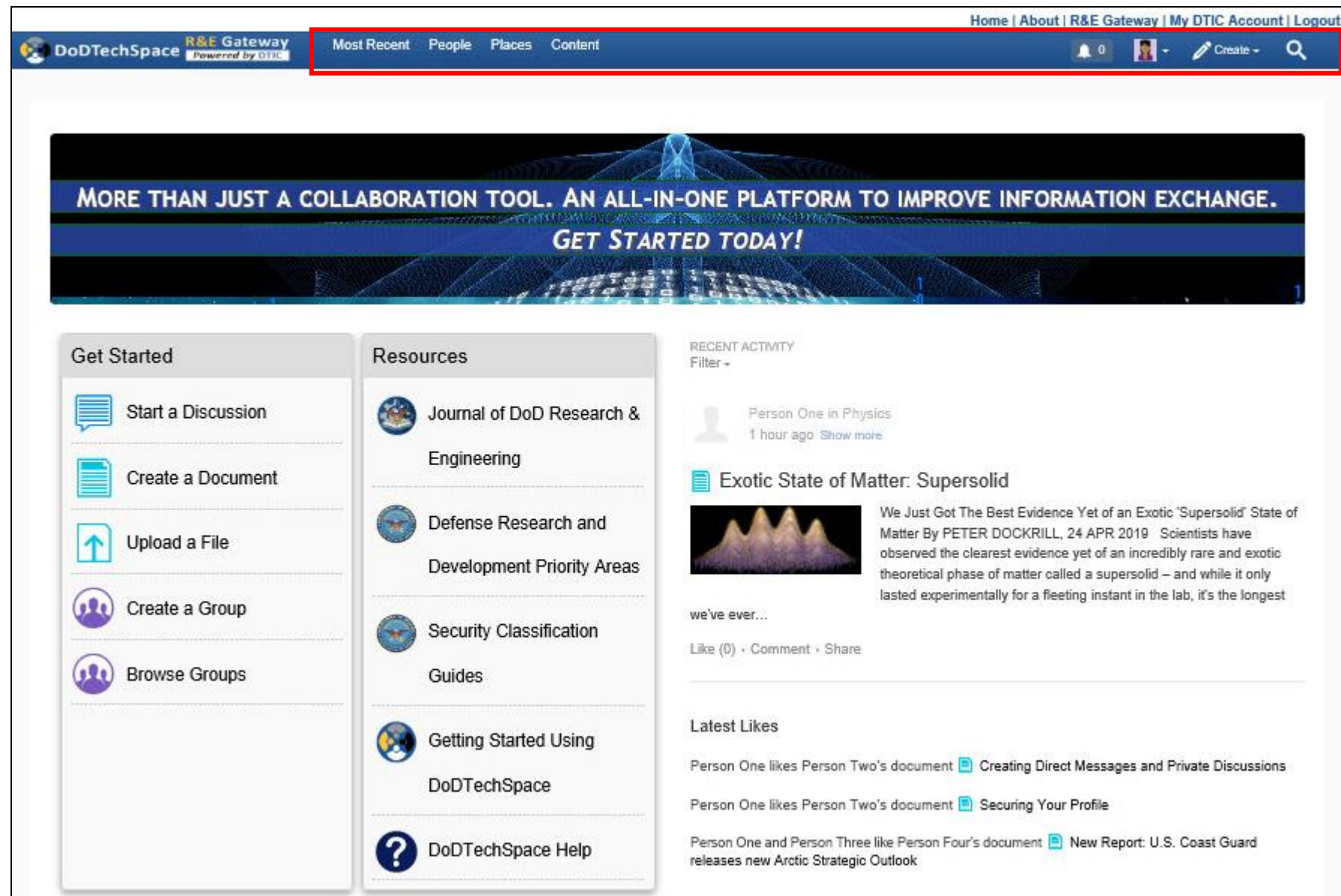
**Note:** Documents stored and discussed on DoDTechipedia must be limited to the unclassified DoD Distribution A and C. The Defense Communities site allows for collaboration on DoD Distributions A, B, C, D and E.



# DoDTechSpace Homepage

DoDTechSpace is a business networking tool used to connect and collaborate with colleagues via:

- Discussion
- Content creation
- Coordinating projects
- The main navigation for the site is accessible from every page in the blue bar across the top



**Note:** DoDTechSpace is safe to use because all posted information is protected behind a DoD firewall.

- Two-factor authentication security - required to enter (Card & Pin)
- No Public Affairs Officer (PAO) approval required



# Defense Innovation Marketplace

- **Public website for DoD R&E Business Opportunities**
  - DoD R&E Strat Guidance Docs
  - R&E-related solicitations, events
- **Most current Technology Interchange Meetings**
- **Independent Research & Development (IR&D) Secure Portal**
  - IR&D project summaries for S&T/R&D and acquisition personnel

<https://defenseinnovationmarketplace.dtic.mil>



<https://www.dtic.mil>



A *complimentary* and *one-of-a-kind*, access-controlled room  
exclusively located within the DoD's  
Defense Technical Information Center Headquarters

Authorized/cleared industry, government, or DoD personnel with potential technology solutions to support the challenging technological needs of current and future warfighters are invited to take advantage of DTIC's **Combatant Command (CCMD) Classified Reading Room**.

The **CCMD Classified Reading Room** features two secured workstations for viewing sensitive requirements of participating CCMDs.

Submit a **Visitor Application Form** at <http://www.dtic.mil/dtic/services/research.html#readingroom> to gain invaluable insights on the top priorities and current capability demands of the CCMDs.

Visitor applications must be received 10 days in advance of desired appointment date.

Applicants must have an active security clearance of SECRET or higher and be a U.S. citizen.

Questions? Send an email to [dtic.belvoir.pm.mbx.ReadingRoom@mail.mil](mailto:dtic.belvoir.pm.mbx.ReadingRoom@mail.mil).

#### DEFENSE TECHNICAL INFORMATION CENTER (DTIC)

8725 John J. Kingman Road | Fort Belvoir, VA 22060

[www.dtic.mil](http://www.dtic.mil) | <https://www.dtic.mil> (R&E Gateway powered by DTIC) | 1-800-CAL-DTIC (1-800-225-3842)







# International Agreements Database (IADB)

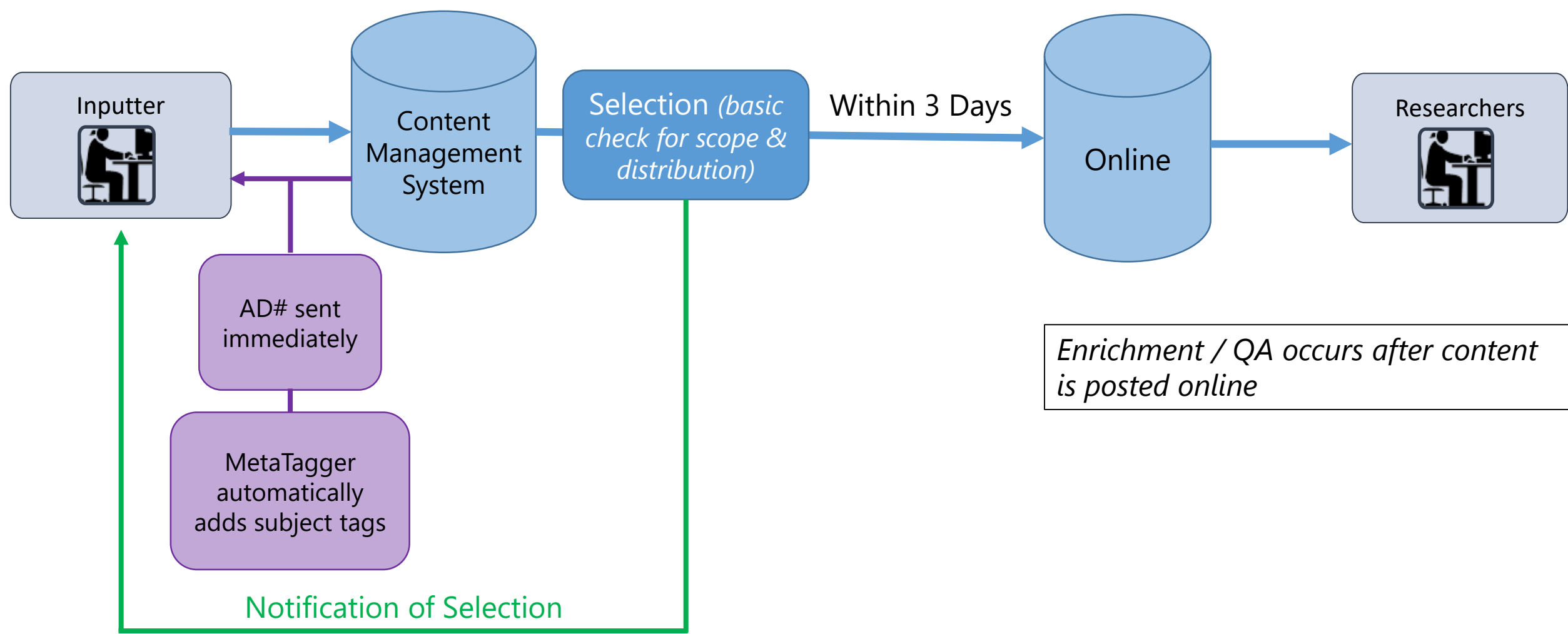
- Leading role in Pentagon's efforts to leverage global research
- Search 4,000 proposed, existing, and passed DoD International Agreements
- Critical international S&T knowledge needed to prepare materials for engagements with Allied and Partner Nations
- Efficiencies gained from aligning resource efforts with international partners for research and new technologies
- Trip Reports Accessible via IADB



# Submission of Documents to DTIC



# New Processing Flow for TR - Input to Online in 3 Days



<https://www.dtic.mil>



## Document Submission

Contribute your  
S&T reports.

It's a one-stop  
solution to getting  
your research  
discovered and  
shared.





Give your DoD-funded research the *prominence* it deserves.

Submit your publications to DTIC at <http://www.dtic.mil/dtic/submit/> and get started today!

Enterprise Content Management System (ECMS) is DTIC's secure online document submission tool. Flip this card to discover the benefits of submitting and sharing your research with the Defense and S&T communities.

For questions or assistance, email DTIC at [dtic.belvoir.ecm.mbx.acquisitions@mail.mil](mailto:dtic.belvoir.ecm.mbx.acquisitions@mail.mil) or call 1-800-225-3842 (option 6).

**DEFENSE TECHNICAL INFORMATION CENTER (DTIC)**







# Why Submit to DTIC?

- Cost Savings

- Reduce costs, leverage results, eliminate duplication, save time & money for DoD-funded projects

- Preservation

- Enduring availability to S&T knowledge = enduring potential for future innovative capability

- Access

- 24/7 availability to largest body of S&T and R&E knowledge in DoD
- Facilitate sharing, while safeguarding national security, through a multi-level secure system for controlled dissemination

- Visibility

- Reports and Journal Articles are available to DoD colleagues enabling sharing and transferring of STINFO in pursuit of future capabilities
- Leveraged research can result in innovative work leading to future technological advancements
- Facilitate intellectual property management of federally funded public domain and government purpose rights works = transparency for taxpayers, visibility for researchers—more readers, higher citation impact

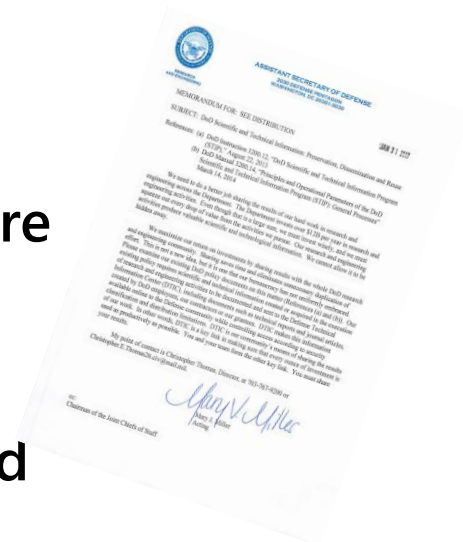
- Compliance

- DoDI, DoDM, DoD Directive, DTM, WH and OSD(AT&L) Memorandums

- Submit to DTIC Enterprise Content Management System:

<https://discover.dtic.mil/submit-documents/>

*Capability for the Warfighter; now and for the future*





# Information Analysis Centers



# Information Analysis Centers (IACs)

Operates three domains ([Cyber Security](#), [Defense Systems](#), and [Homeland Defense](#)) and manages scientific and technical information across 22 technical focus areas (TFAs).

## **TECHNICAL SUPPORT SOLUTIONS**

Answers technical inquiries, provide access to the S&T community's Subject Matter Experts, conduct technical training, and develop technical products

- **TECHNICAL INQUIRIES**

Provides up to four hours of free Technical Inquiry research to answer users' most pressing technical questions. To do so, the DoD IAC leverages its extensive Subject Matter Expert (SME) network, which includes engineers and scientists.

- **TECHNICAL TRAINING**

Provides in-depth technical training on current topics of particular interest in the DoD S&T Community led by domain subject matter experts.

- **TECHNICAL PRODUCTS**

Develops a wide variety of technical and informational products to provide the DoD S&T community a deeper understanding of emerging technologies and research. These products include State of the Art Reports, quarterly journals, infographics, digests, and a multitude of research materials.



# Information Analysis Centers (IACs)

Our team of specialists helps researchers, engineers, scientists, and program managers utilize existing STI to drive innovation across the DoD with technical analysis and development of materiel solutions to advance the DoD's warfighting capabilities.

- ***ASSISTED ACQUISITION SOLUTIONS***

Provides turn-key solutions to program needs by assisting in the development of customer requirements, processing all financial documents in an auditable environment, and monitoring contract performance.

- ***RESEARCH AND DEVELOPMENT SOLUTIONS***

- Provides access to R&D contract vehicles to perform research & analysis at any magnitude (from a few thousand to hundreds of millions of dollars) across the range of DoD R&D interests at a low rate of 0.8% (FY20).
- Supports DoD's critical requirements at all levels of research and engineering.

Visit the IAC website for more details: <https://DoDIAC.dtic.mil/>



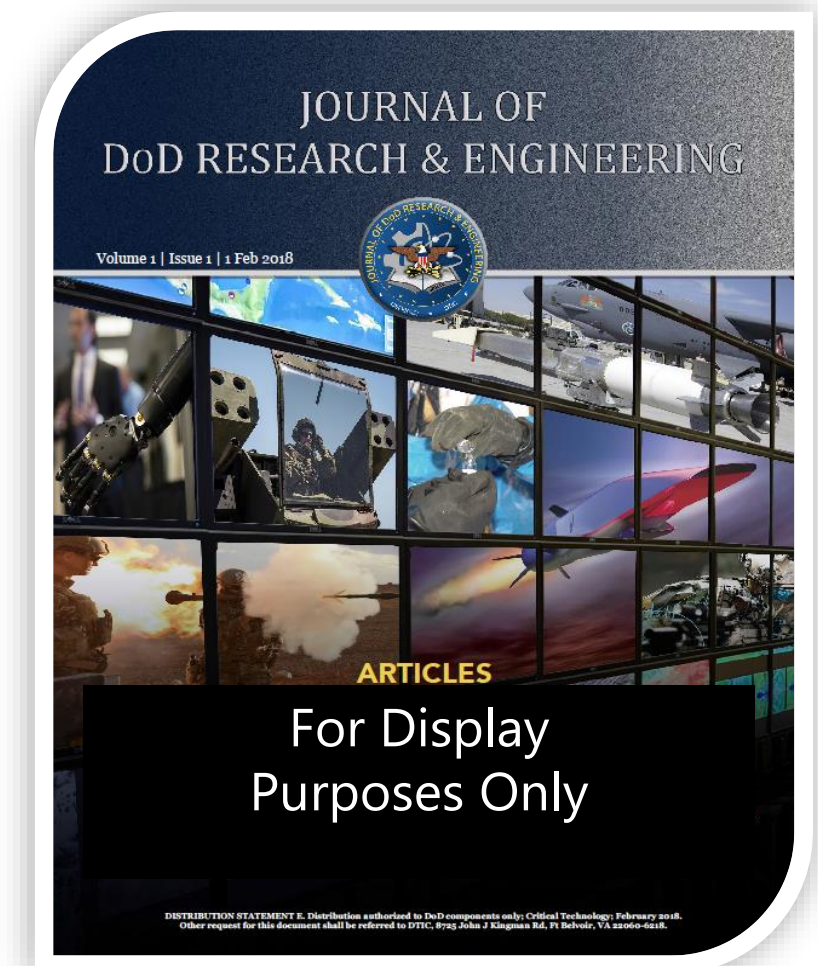


# Journal of DoD Research and Engineering



# Journal of DoD Research & Engineering

- Journal of DoD Research & Engineering:
  - Semi-annual publication
  - Published at the classified/controlled unclassified level
  - Fully supported by Dr. Michael Griffin, Ms. Mary Miller and the office of the ASD(R&E)
- Researchers, scientists, and engineers working in our labs on limited & classified projects have little opportunity for peer-reviewed status of their work
- This peer-reviewed DTIC published journal provides a protected venue for the DoD S&T community to share their work
- Looking for support from the Communities of Interest, S&T Deputies, and Defense Labs:
  - Articles from our researchers, scientists, and engineers
  - SMEs who can provide peer review support
  - Senior leaders interested in Advisory Board opportunities







# Submit An Article | Be a Peer Reviewer

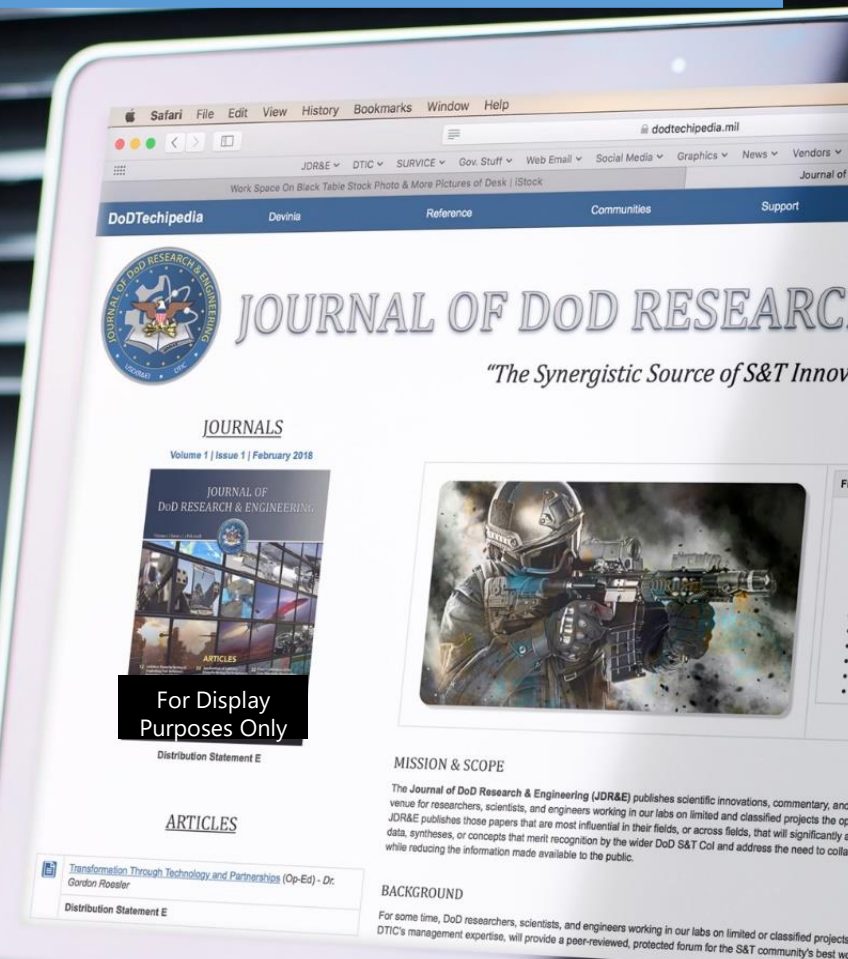
To submit C/CU articles or to become peer reviewer to the Journal of DoD Research & Engineering, visit the following web pages for instructions.

Unclassified:

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

Classified (SIPR):

<https://dodtechipedia.smil.mil/>





# IIR & Global Research Watch Program

- Innovators Information Repository

- Goal: Increase transition of innovative technologies to systems of record
- Beta application available to registered DTIC users
- Access to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards

- Global Research Watch Program

- Goal: Awareness of new technology innovation detailed in open source material to benefit US capability and ability to deter adversary capability
- Partnering with the USD R&E Strategic Intelligence and Analysis Cell (SIAC)
- SIAC evaluating Commercial Off the Shelf (CoTS) analytics and horizon scanning and acquiring source data
- Beta targeted for FY20, core capability in FY21





# Public Access



# Public Access Mandate

- **Office of Science and Technology Policy (OSTP) Memo: “Increasing Access to the Results of Federally Funded Scientific Research,” 22 February 2013**
  - All public scholarly journal articles must be available and free to the public following a 12-month embargo
  - New projects must create a Data Management Plan (DMP) that identifies data sets that will be produced and if and where they will be preserved and accessible
  - Data sets from research should be made public (exceptions for national security, economic security, privacy, etc.)
- **DoD requirement is in DoDI 3200.12 “DoD Scientific and Technical Information Program (STIP)” 12/17/2018**
  - Send Journal Articles to DTIC (final peer-reviewed manuscript is preferred)
  - Create DMP at the beginning of each project
- **Draft language set for future update to DoDGARS for grantees**



# DTIC Wants Your Journal Articles

- Ensure that all journal articles include a **funding acknowledgement** when submitting to publishers
  - Intramural example: *“This material is based on work supported by the Air Force Research Laboratory.”*
  - Extramural example: *“This material is based on work supported by the U.S. Army Research Laboratory and the Army Research Office (W911NF-11-1-0071).”*
- Submit the **Author’s Final Peer-Reviewed Manuscript** to DTIC **at time of acceptance for publication**
  - Include DOI and journal citation metadata
  - DTIC will ensure a 12-month embargo before posting the manuscript on our public site



# PubDefense



## PubDefense

DoD and ODNI/IARPA Public Access Search

Powered by DTIC



JOIN THE DEFENSE TECHNICAL  
INFORMATION CENTER (DTIC)  
AS WE SHAPE  
THE FUTURE OF  
PUBLIC ACCESS TO  
FEDERALLY-FUNDED  
SCIENTIFIC RESEARCH

FOR MORE INFORMATION:  
<https://publicaccess.dtic.mil>





The laptop screen shows the PubDefense website interface. At the top, it says 'PubDefense' and 'DoD and ODNI/IARPA Public Access Search'. Below this is a search bar with the text 'Search DoD and ODNI/IARPA-funded PubDefense Journal Articles' and a 'Find' button. The main content area is titled 'Purpose' and contains a paragraph: 'PubDefense provides access to journal articles that are the result of DoD and ODNI/IARPA-funded research.' Below this is a stack of papers icon and a list of bullet points: 'The database contains an initial collection of published journal articles and accepted manuscripts', 'Additional metadata, full-text, and links to documents will be added as they are submitted to DTIC', and 'Access to the DoD and ODNI/IARPA-funded full-text of items in this collection will be available after a 12-month embargo.' The next section is titled 'Implementation' and contains two paragraphs: 'DoD and ODNI/IARPA are providing the public with access to these documents in accordance with the Office of Science and Technology Policy (OSTP) memorandum, Increasing Access to the Results of Federally Funded Scientific Research, dated 22 February 2013.' and 'Establishment of DoD policies and full implementation of the DoD Public Access plan will be accomplished incrementally.' The final section is titled 'Feedback and Input' and contains a paragraph: 'Please send us your feedback.' Below this is a small note: 'In addition, we welcome your input on additional articles to add to the DTIC collection.'





# Submissions of Journal Articles

## **DoD Journal Article Submissions**

- CAC-holders input at <https://discover.dtic.mil/submit-documents/>
- OR
- Multi-Agency Article Submissions  
Non-CAC-holders input at <https://www.osti.gov/elink/agency-submission>



# Data Management Plans



# Data Management Plans for Research Projects

- Data sets are valuable resources
  - DoD investments in data set generation easily runs into hundreds of millions of dollars
  - There is concern that much of the data from research is lost or preserved in an unusable form
  - The goal is to derive maximum benefit from data sets we create, to be able to validate conclusions, and speed innovation
- Data management planning should be an integral part of research planning
  - Extramural research, Data Management Plan creation normally occurs between the proposal stage and accepted funding stage of the project
  - Intramural research, Data Management Plans are part of the project planning process
  - Data Management Plans should be updated as necessary over the life of the research
  - Normally 2-3 pages in length
- It is much harder to consider documentation and preservation of data at the end of a project



# Some Elements of a Data Management Plan

- Types of data, software, and other materials to be produced
- Version of the data (raw, cleaned-up, analyzed, final tables)
- How the data will be acquired (measured, existing data set, etc.)
- How the data will be processed
- File formats and naming conventions that will be used
- Standards to be used for data and metadata format and content
- Appropriate timeframe for preservation
  - The plan may balance between the relative value of data preservation and other factors such as the associated cost and administrative burden
  - If, for legitimate reasons, the data cannot be preserved or made available for public access, explain





# DoD Implementations of DMPs

- Different disciplines have different requirements (e.g. medical vs. geological vs. weather)
- Air Force
  - AFMCI 63-1201 “Implementing Operational Safety, Suitability and Effectiveness (OSS&E) and Life Cycle Systems Engineering (LCSE)”, 28 Mar 2017
    - Addresses Data Management and Data Management Plans
  - AFRL is currently working on more specific guidance
- Army
  - (SAAL-ZT) Memo “Coordinating and Disseminating Technical Documentation Resulting from Army Intramural and Extramural research” Oct 2018
- Navy
  - Working on guidance
- DTIC is creating an online DMP template to help researchers create a DMP



# Data Sets



# Why save/share research data?

- Replicability and extension of research
- Reuse for new discoveries lead to new and unanticipated discoveries
- Check new hypotheses
- Allows other researchers to understand your results, becomes more relevant
- Safeguards your investment of time and resources while preserving your research contribution for you and others to use
- Data archiving provides insurance against loss by the data collector

**Be a catalyst for research and discovery by sharing your data.**




# DTIC and Research Data

- 2019 NDAA gave DTIC the mission to collect or point to R&E data sets
- Two-pronged approach: public and limited data sets
  - Public: Find and link to public data sets associated with journal articles in PubDefense
  - Limited: Create a Data Catalog for discovery of data sets, host smaller sets (< 2G) at DTIC





# PubDefense Journal Articles



PubDefense

DoD and ODNI/IARPA Public Access Search

DTIC Home PubDefense Home Simple Search Advanced Search Administrator Help

PubDefense Home > Search Results

Simple Search

Enter search term(s)

Search Clear

Filter By Availability

Publicly Available Full Text (3709)  
U.S. Department of Defense (3687)  
ODNI/IARPA (33)  
Multiple Parent Agencies (11)  
Citation Only (4)  
U.S. Department of Defense (4)  
Datasets (99)

Filter By Parent Agency

U.S. Department of Defense (3691)  
Publicly Available Full Text (3687)  
Citation Only (4)  
ODNI/IARPA (33)  
Publicly Available Full Text (33)  
Multiple Parent Agencies (11)  
Publicly Available Full Text (11)

Filter By Authors

Lazarus, Hillard M. (36)  
Gale, Robert Peter (27)  
Savani, Bipin N. (25)  
Marks, David I. (23)  
Saber, Wael (21)  
show more...

Found 99 Records

Viewing Records 1 – 10

Results per page: 10 Sort: Relevance (Highest to lowest) Download

« 1 2 3 4 5 6 7 ... 10 »

1. [A Novel Interception Strategy in a Miniature Robber Fly with Extreme Visual Acuity](#)  
Wardill, Trevor J.; Fabian, Samuel T.; Pettigrew, Ann C.; Stavenga, Doekele G.; Nordström, Karin; Gonzalez-Bellido, Paloma T.  
March, 2017, Current Biology  
Datasets Available (1) Full Text Available

2. [A cohort study to identify and evaluate concussion risk factors across multiple injury settings: findings from the CARE Consortium](#)  
Van Pelt, Kathryn L.; Allred, Dain; Cameron, Kenneth L.; Campbell, Darren E.; D'Lauro, Christopher J.; He, Xuming; Houston, Megan N.; Johnson, Brian R.; Kelly, Tim F.; McGinty, Gerald; Meehan, Sean; O'Donnell, Patrick G.; Peck, Karen Y.; Svoboda, Steven J.; Pasquina, Paul; McAllister, Thomas; McCrea, Michael; Broglio, Steven P.  
December, 2019, Injury Epidemiology  
Datasets Available (4) Full Text Available

3. [A high-order cross-platform incompressible Navier–Stokes solver via artificial compressibility with application to a turbulent jet](#)  
Loppi, N.A.; Witherden, F.D.; Jameson, A.; Vincent, P.E.  
December, 2018, Computer Physics Communications  
Datasets Available (2) Full Text Available



# Data Catalog

- Proof of concept of metadata and saving data sets to the Cloud
- In FY20, Search of Data Catalog, as part of DTIC search



# Working Together

- DoD is new to collection of research data sets for reuse
- We'd like to work with you on intramural research issues, and eventually extramural research
- We've created knowledge pages on data sets and DMPs in DoDTechipedia  
<https://www.dodtechipedia.mil/dodwiki/display/DBRAG/DBRAG+Data+Working+Group>
- We'd like your input on
  - DoD-funded public datasets
  - Limited access DoD data sets for the Data Catalog



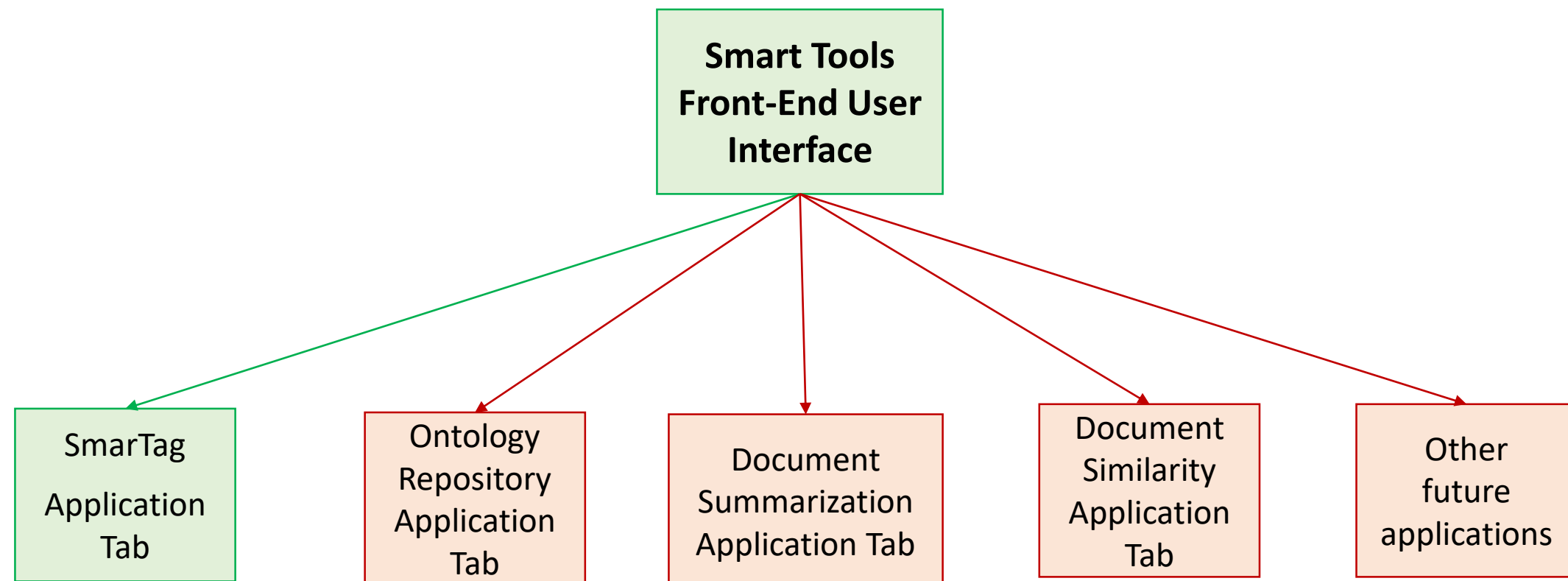
# Smart Tools





# Smart Tools Overview

- Smart Tools is a user interface (UI) framework providing easy, front-end access to a suite of tools, the first of which is the **SmarTag application**.



Green is currently available, Red is coming soon

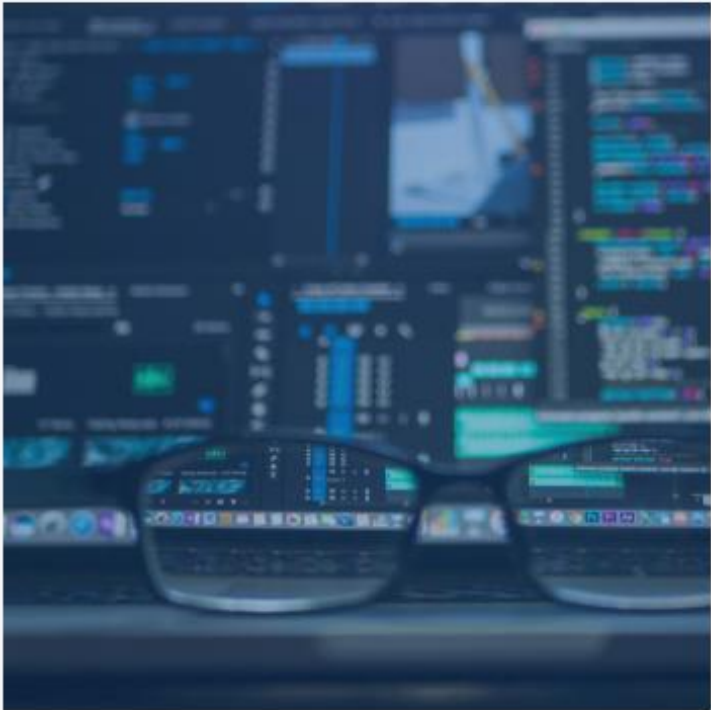


# Smart Tools Overview

- As tools become available, access tabs will be added to the Smart Tools Menu




→ SMARTAG



### SmarTag

Using SmarTag, users can easily submit documents to the DTIC Metatagger application, which semantically analyzes a document and then outputs ranked tag listings of concepts and topics summarizing the main themes of that document. At the SmarTag user interface, users can either upload a document or paste document text directly into the "Paste Text here..." box and then click the "Generate Tags" button.

 **Upload Files**

or

Paste Text here...

DTIC Thesaurus ▾


Generate Tags

Clear




# Smart Tools Overview

- Smart Tools (SmarTag) calls the Metatagger to generate the highest scoring terms



"Generate tags" button.

 PGS.pdf

or

Paste Text here...

DTIC Thesaurus ▾

Generate TagsClear

ConceptsTopicsTRL

DTIC Thesaurus

Term	Frequency
prompt global strike	30
warfare	20
intercontinental ballistic missiles	18
national security	17
combatant commanders	16
united states government	16
air force	15
congress	14
unified combatant commands	14



# Smart Tools Overview

- Smart Tools (SmarTag) also generates scores for Thrust Areas, COIs, Fields & Groups, JCAs, and PII.

Generate Tags

Clear

Concepts

Topics

TRL

All Distribution Codes

Term	Frequency
Distribution Code A	3

All Thrusts

Term	Frequency
Hypersonics	511
Cyber	57
Autonomy	2
Biotechnology and Synthetic Biology	1

COI All

Field and Group Topics

JCA1

Personally Identifiable Information - PII

Export Results





# Smart Tools Overview

- Smart Tools will also provide links to other tools such as the Ontology Repository, which will allow organizations to share and store their ontologies for the long-term and which originated from a request from AFRL.

 **Ontology Repository** R&E Gateway  
Powered by DTIC

AboutR&E GatewayMy DTIC AccountLogout

SMARTAG

## Ontology Repository

The DTIC Ontology Repository provides a place for organizations to store and access their ontologies securely for the long-term. For more details, organizations should contact DTIC at [dtic.belvoir.ecm.mbx.sources@mail.mil](mailto:dtic.belvoir.ecm.mbx.sources@mail.mil).

- US

- Federal
  - DOD
    - DTIC
      - DTIC Thesaurus
      - AFRL-RX
        - AFRL-RX Ontology
- + Congress
- + Private
- + Toplevel Example
- + Nested Example

## DTIC Thesaurus

### Description

The Thesaurus provides a broad, multi-disciplinary subject-term vocabulary that aids in information search and retrieval. Subject terms, called Descriptors, are organized into hierarchies, where series of narrower terms are linked to broader terms.

<https://www.example.com/>

### Contact



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**Phone:**

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< 2019 >

November

Month

S	M	Tu	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

<https://discover.dtic.mil/training/>



# Questions/Comments?