

## 6a.019.DU - Ontology as a Service (OAAS)

### Year 6 - Deep Dive Video

[6a.019.DU\\_Deep Dive Video \(13:23 minutes\)](#)

### Project Description

Ontology as a Service (OAAS), is an innovative ontology engineering approach that enables optimal application of existing rich semantic metadata networks within and across industry. The platform extends the Metadata Research Center's Helping Interdisciplinary Vocabulary Engineering (HIVE) technology. OAAS can transform industry workflows and enrich data to support semantic data driven analytics. The OAAS Center for Visualization and Decision Informatics (CVDI) project has, to date, had two chief outputs, to date. These include: 1.) an advanced HIVE server registration an interoperability framework, 2. Prototype for HIVE visualization using D3. The current, extended work with OAAS is to leverage HIVE with Clarivate's Science Citation Index.

### Project Team

Team Member	Role	Email	Phone Number	Academic Sites/Industry Members
Jane Greenberg	PI	<a href="mailto:janeg@drexel.edu">janeg@drexel.edu</a>	(215) 895-2490	Drexel University
Joan Boone	Co-PI	Not available	Not available	Drexel University
Elizabeth Jenkins	Graduate Research Assistant, MSLIS student	Not available	Not available	Drexel University
Hongwei Liu	Post-Graduate Data Science Fellow	Not available	Not available	Drexel University
Chloe Rotman	Graduate Research Assistant, MSLIS student	Not available	Not available	Drexel University
Lauren Sands	Graduate Research Assistant, MSLIS student	Not available	Not available	Drexel University
Elizabeth Davenport	IAB Project Mentor	Not available	Not available	<b>Funded by:</b> GlaxoSmithKline (GSK)
Jason Rollins	IAB Project Mentor	<a href="mailto:jason.rollins@thomsonreuters.com">jason.rollins@thomsonreuters.com</a>	Not available	<b>Funded by:</b> Clarivate Analytics
Megan Force	IAB Project Mentor	Not available	Not available	<b>Funded by:</b> Clarivate Analytics

### Project Deliverables

	Deliverable
1.	<b>Ontology registration and interoperability framework:</b> Develop an automated pipeline supporting interoperability among RDF, SKOS, OWL, and JSON-LD, including the most common variants.
2.	<b>Enhance the HIVE's visualization.</b> Use D3.js REST API to provide visualization for examining two or more semantic ontologies and determining the best application.
3.	<b>Evaluation OAAS with IAB member – GSK.</b> Test the effectiveness and efficiency of the prototype ontology pipeline application in a real-world setting.

### Attention Project PIs

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- To **PUBLISH** your changes, click the blue "Publish" button in the lower right-hand corner of this page
- If you need help or have questions, please contact Site Admin: [Sally.Johnson@louisiana.edu](mailto:Sally.Johnson@louisiana.edu)

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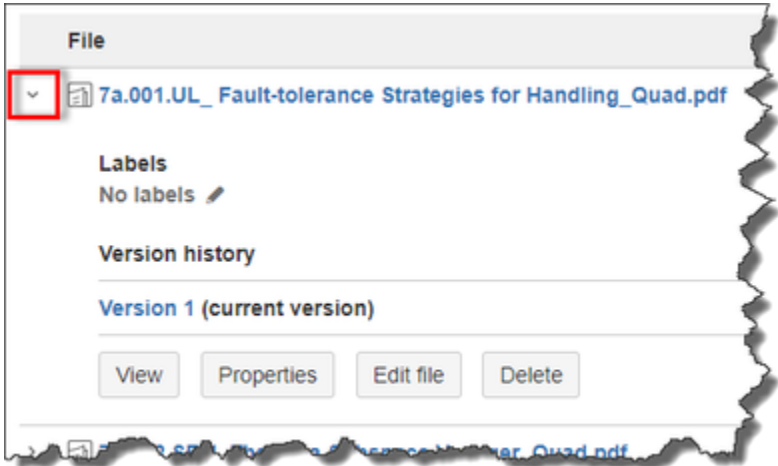
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	CVDI 2017 IAB Fall Meeting				
	CVDI 2018 IAB Fall Meeting				
	CVDI 2018 IAB Spring Meeting				
	CVDI 2019 IAB Fall Meeting				
	CVDI 2019 IAB Spring Meeting				
	CVDI Calendar				
	CVDI Leadership (All Sites)				
	CVDI				

4. **Roundtable.** Toward the close of year one we will seek CVDI IAB input about the potential for a roundtable for the spring meeting. The roundtable will provide time for industry members, researchers, including students, with an open opportunity to ideas and dialogue about the technological means of managing.

**Project Documents**

For viewing/editing options, please click left arrow next to document name. You will see different options depending on your access level.



File	Modified
>  6a.019.DU_PPT Presentation.pptx	Oct 11, 2017 by Sally Johnson
>  6a.019.DU_Quad Chart_PDF.pdf	Oct 11, 2017 by Sally Johnson
>  6a.019.DU_Quad Chart_PPT.pptx	Oct 11, 2017 by Sally Johnson
>  6a.019.DU_Executive Summary_ORIGINAL.docx	Oct 11, 2017 by Sally Johnson
>  6a.019.DU_Poster_PDF.pdf	Oct 11, 2017 by Sally Johnson
>  6a.019.DU_Poster_PPT.pptx	Oct 11, 2017 by Sally Johnson
>  11-10-2017 11-28-32 AM.png	Nov 10, 2017 by Sally Johnson
>  6a.019.DU_Ontology As A Service_Executive Summary_2017 Fall Meeting.docx	Nov 13, 2017 by Sally Johnson
>  6a.019.DU_Ontology As A Service_Poster_2017 Fall Meeting.pptx	Nov 13, 2017 by Sally Johnson
>  6a.019.DU_CVDI Mid-Year Report.pdf	Jan 04, 2018 by jan eg@drexel.edu
>  6a.019.DU_Poster_2018 Spring Meeting.pptx	Mar 21, 2018 by Sally Johnson
	Aug 21, 2018 by Sa

Marketing Materials	★ ☆
CVDI Reports & Document Library	+ ★ ☆
CVDI SITE (Drexel University)	+ ★ ☆
CVDI SITE (Stony Brook University)	+ ★ ☆
CVDI SITE (Tampere University)	+ ★ ☆
CVDI SITE (University of Louisiana at Lafayette)	+ ★ ☆
CVDI SITE (University of North Carolina at Charlotte)	+ ★ ☆
CVDI SITE (University of Virginia)	+ ★ ☆
IAB - Industry Advisory Board	+ ★ ☆
Year 6 - Funded Projects (7/1/17 - 6/30/18)	+ ★ ☆
Year 7 - Funded Projects (7/1/18 - 6/30/19)	+ ★ ☆
Year 8 - Proposed Projects	+ ★ ☆

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### Project Comments