

# CI/CS WORKSHOP

THE COMMUNITY TOGETHER



Research**SOC**



CI CoE PILOT

# Chuck Vardeman: FAIR Data

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<https://crc.nd.edu/>

# Questions

- Sources of vocab semantics and how have others implemented them?
- How FAIR data principles work for protected vs unprotected data.

# Protected Data?

- [“Middle-Out FAIR Data Integration with Knowledge Graphs”](#)
- [The FAIR Toolkit for Life Science Industry](#)
- [Unified Data Model](#)
- [Best Practices for Implementing FAIR Ontologies](#)
- SOSA - [https://www.researchgate.net/publication/326335033\\_SOSA\\_A\\_lightweight\\_ontology\\_for\\_sensors\\_observations\\_samples\\_and\\_actuators](https://www.researchgate.net/publication/326335033_SOSA_A_lightweight_ontology_for_sensors_observations_samples_and_actuators)

# Vocabularies?

- [Science on Schema.org](#)
- [Best Practices for Implementing FAIR Ontologies](#)
- W3C Semantic Sensor Network SOSA -  
[https://www.researchgate.net/publication/326335033\\_SOSA\\_A\\_lightweight\\_ontology\\_for\\_sensors\\_observations\\_samples\\_and\\_actuators](https://www.researchgate.net/publication/326335033_SOSA_A_lightweight_ontology_for_sensors_observations_samples_and_actuators)
- [ENVO Github](#)
- [SWEET Github](#)

**See you at 1PM EST for  
CI/CS Workshop's  
Panel: Ups and Downs of Cloud  
Computing in Open Science**