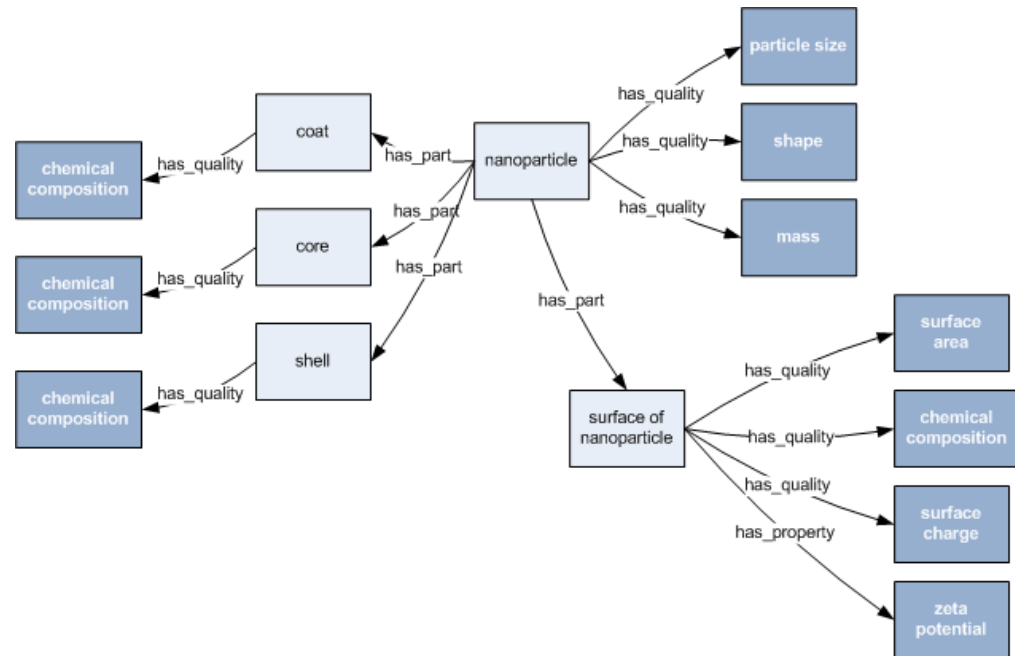


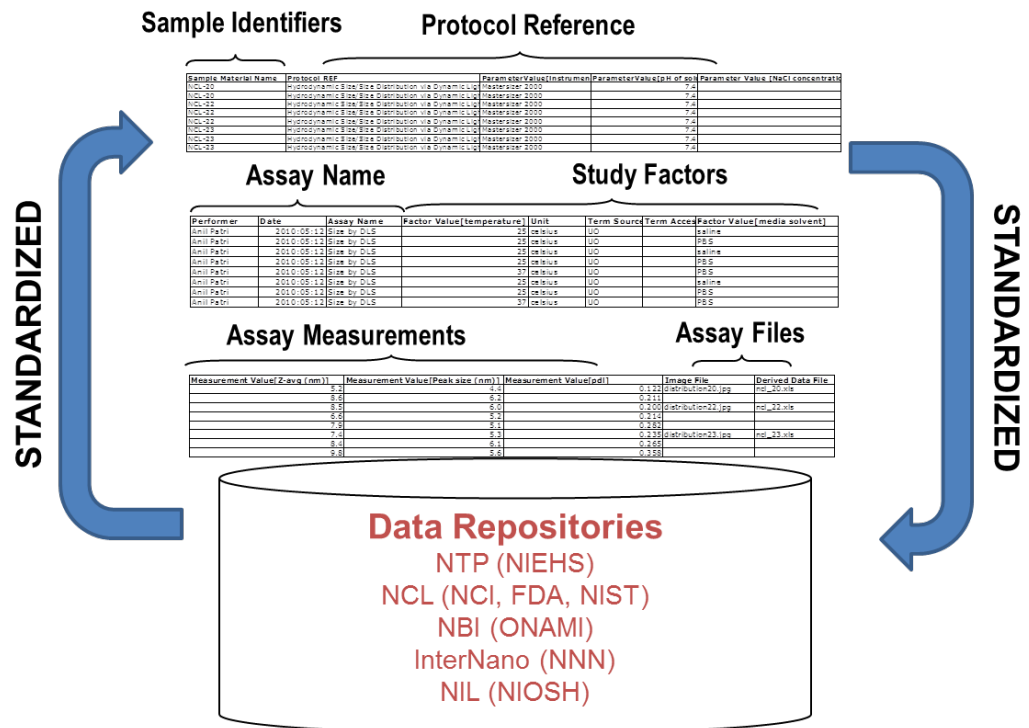
- Nathan Baker, Pacific Northwest National Lab,
nathan.baker@pnnl.gov
- What are the infrastructure needs for databases?
 - Common vocabulary
 - Common data sharing format
- In which areas is the EU-US collaboration most likely to be successful?
 - Identifying challenge problems and use cases
 - Targeted exploration and development of solutions to needs
- Should there be common databases? **No**
- What modalities of access should be available?
 - General interface: programmatic API
 - Specific interface: web-based user-friendly
 - Archival: ISA-TAB-Nano

- Open collaborative development effort
- Basic framework for nanotechnology with biomedical focus
- Based on ontology best practices:
 - OBO Foundry
 - BFO
 - OWL



Common data sharing format: ISA-TAB-Nano

- Open collaborative development effort
- Based on ISA-TAB community work
- Customized for nanotechnology characterization data
- ASTM standard
- Focused on data exchange, archiving



- NPO: <http://www.nano-ontology.org/>
- ISA-TAB: <http://isacommons.org/>
- ISA-TAB Nano:
<https://wiki.nci.nih.gov/display/ICR/ISA-TAB-Nano>
- US-EU CoR: <http://tinyurl.com/us-eu-data>
– *Get involved!*