

Proposed Interest Group: Economic Models & Infrastructures for Federated Materials Data Management

- Proposed chairs:
Jim Warren (NIST) & Laura Bartolo (KSU)
- Work with CODATA Task Group on Materials Data
- Focus:
 - data federation systems
 - economic models for partnerships
 - Collaborative undertaking with CODATA TG, Materials

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Today's agenda – discussion of interests & ideas

- ❖ Brief round robin introductions (name, institution)
- ❖ Definitions, views, & ideas
 - ✧ Data federation architecture: unified access to disparate, geographically distributed materials data sources
 - Data systems
 - Common schemas - metadata, data, taxonomies, ontologies
 - Data curation - what; what levels; how long
 - Shared governance – national; international
 - ✧ Collaboration models
 - New economic models – e.g. public private partnerships
 - ✧ Convening of nat'l & internat'l materials leadership