

Economic Models & Infrastructures for Federated Materials Data Management

Jim Warren (NIST) and Laura Bartolo (KSU)

Nominal Goals for Today's Meeting

- Existing and needed materials data federation systems
- Economic models for maintaining materials data infrastructure
- Opportunities for collaborative undertaking with CODATA TG, Materials

Realized Discussion

- Broad interest in economic models of developing and maintaining materials data infrastructure
- Economics is often a proxy issue for cultural engagement issues (why is funding data infrastructure not a priority?)

Approach

- Short term focus (long term: either we demonstrate value, or we don't !)
- Pilots (RDA-CODATA Effort)
 - Test data repository and then,
 - Grow a federation of these repositories
- Working with Materials Journals
- Statement of Principles for Materials Data Sharing