

Exceptional service in the national interest



Salt Research & Development Initiative Salt Data Compilation and Assessment

Kristopher L. Kuhlman

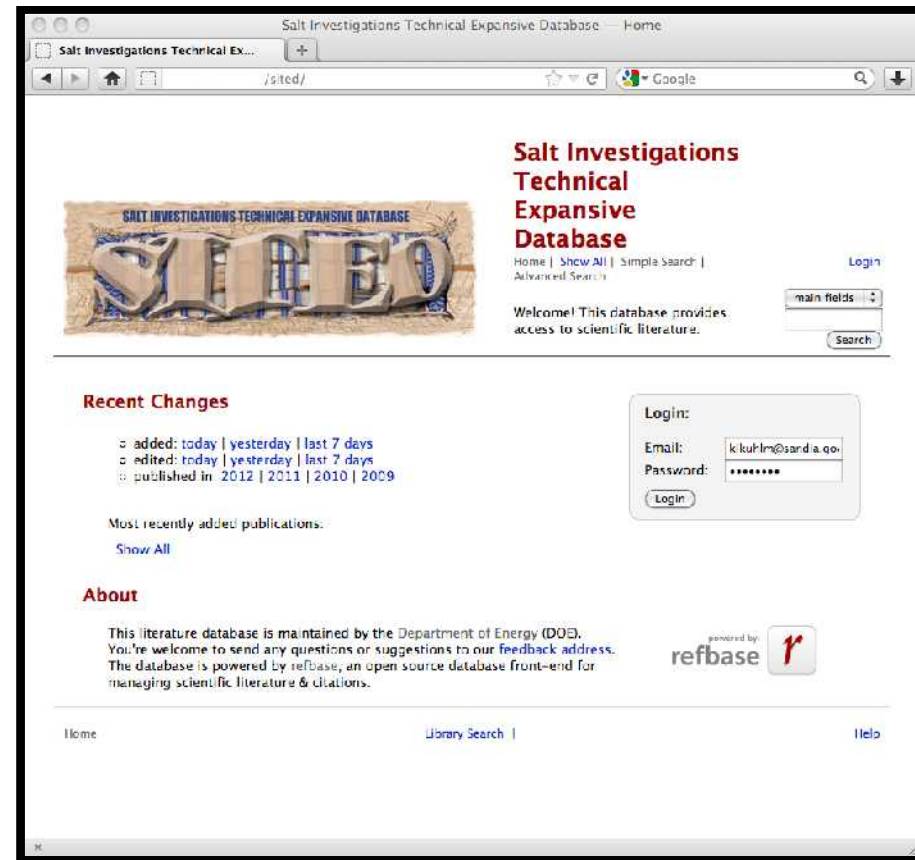
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Data Compilation & Assessment

- Review WIPP-centered salt research
- Create digital report archive
- Reduce duplication of research efforts
- Activity 1 deliverables include:
 - Create reports & data electronic repository
 - Acquire, index, and assess WIPP reports and data
 - Create summary report

Database Deliverable

- Salt Investigations Technical Expansive Database (SITED)
- Based on open-source bibliographic database
- Browser-based database interface
- Current working prototype
- Interface allows:
 - Adding bibliographic info
 - Uploading pdf/text/data files
 - Searching existing records
- LANL/SNL will use database



Populated Database Deliverable

- Bibliographic data (author, title, # pages) imported from:
 - Existing WIPP Records Center database
 - DOE Information Bridge & ISI Web of Knowledge
- PDF added to SITED
- Optical Character Recognition (OCR) → searchable text
- SRDI-specific review
 - Was work completed under:
 - QA plan
 - Test plan
 - SRDI-specific keywords
 - ~20 project-specific keywords (e.g., hot salt, thermomechanical, brine)
 - Rank each report's significance to each keyword (scale 0-5)
 - Fit report into SRDI technical subject hierarchy
 - 2-3 sentence summary

Summary Report Deliverable

- Summarize relevant work done at WIPP
 - Provide “reading list” of top reports for each keyword
 - Discuss
 - What was done well
 - What was not done
 - Remaining open questions
 - Review SITED contents
 - Summary will be reviewed by specialists
 - Including: Matalucci, Stormont, Munson & Weart
- Summarize Activity 1 Process
 - Database creation
 - Report and data curation