Group E: Data Exchange

Co-chairs

Nigel Hardy, <u>Chris Taylor</u>

Brief

- *"This group will define data exchange formats and produce a schema for such operations that cover all aspects of the metadata, the analytical data (both spectroscopic and chromatographic) and the data analysis."*

Planned Outputs

- A **specification** of the data for exchange
  - The Schema - A data model
- A **reference implementation** for data transfer
- Documentation
- Working **demonstration applications**; including but not limited to:
  - Datasets marked up in the XML, viewable on the web via suitable XSLT, CSS or similar.
  - A simple data entry system to create the mark up.

Initial plans

- Review existing standards in preparation for input from other working groups
- Receive input and develop (from existing standards where possible) a first draft format

Investigation of Existing Initiatives

- MS
  - mzData
- Columns
  - spML
  - Inc other separations
- NMR
  - Griffin, Viant, Hardy groups
- FuGE
  - Integrative (systems) biology

Initial Review of WG Drafts

- Biological sample context WG drafts
  - Reviewed
  - Possible alignment
  - Clarifications

MICheck

- New Initiative (MSI involvement)
- MICheck Portal
  - A one stop shop for reporting specifications for biological and medical science
- MICheck Foundry
  - Collaborative project to investigate the scope for integration between reporting specifications