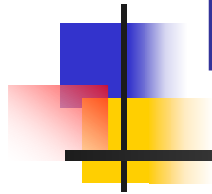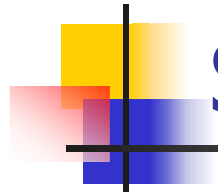# DAIS Session 3: XML and Relational Realisations
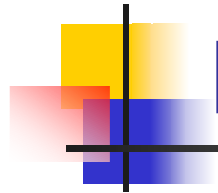
Norman Paton

University of Manchester

Structure of Session

- Specification structures.
- Relational realisation.
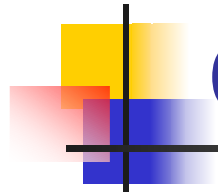- XML realisation.

How to Organise Specification

- Currently:
  - Grid Data Service Specification.
  - Relational Realisation.
  - XML Realisation.

- Proposal:
 - Keep with three documents; separate core is open to new realisations.

Organising Future Versions

- Principles:
    - Identify all dependencies on not-yet-accepted standards.
    - Write specifications to minimise such dependences (currently these dependencies permeate specifications).

- Practice:
    - Initiate discussion on mapping to WS-* proposals at GGF10.
    - Explore such mappings up to, and perhaps past GGF11.
    - Recast specifications to new structure for GGF11; such documents may not include mappings.
    - Include mappings later based on exploration of options.
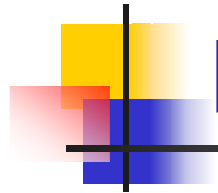
Potential Structure ($\forall$ Specs)

1. Introduction.
2. Notation.
3. Data Description:
   - Requirement.
   - Schemas.
   - Operations.
4. Data Access:
   - Requirement.
   - Operations.
   - Semantics.
5. Data Factory:
   - <as data access>

5. Data Management:
   - Something/nothing?
6. Mapping to WSRF (or descendent):
   - Mappings.
   - WSDL.
   - Resource properties.
   - …
7. Security considerations.
8. Conclusions.