Simon Cox

- Design
  - Model, DISC, Solve, Optim.

- Scripting
  - Flexibility & high-level
    - Quick APP development
    - Existing exec. ENV
    - Favourite
      - MATLAB, Python
      - Semantic
        - Create, Retrieve, Cut 'n' Slop
      - Configure, Monitor, Execute
      - Share, Steer, Dynamically, Modify
Grid Workflow
- Start
- Stop
- Monitoring
- "Gantt Chart"

Bio Examples
- Want more monitoring
- "Gantt Chart"
Gregory Graham

- Parameters, Constraints
  \[ N > 100 \]
- Workflow Building Tools
  \[ \text{Workflows} = \text{Simple Workflows} \times \text{Contexts} \]
- Unicore
- Constraint Satisfaction
- Constraint Specification?
Howard Chivers

- Security
- Separation of Duties?
- Guard at Process
  - Data
- How to check & Assembly?
- Delegation
Discussion
Carole Goble

"USER'S ROCK"
- Workflow, not ball & end all
- "PEOPLE" in the loop & resource requirements
- Metadata, Metadata, Metadata, ...

ABSTRACTION
- Low "ftp"
- High "in terms of science" 
  -> Granularity
Discussion
Comments from Floor

- Complex
- Engineering apps & grids
- Non-running
- Batch Processing
- Layout/GUI
- Complex workflow impractical
- Loop, compute
- Interactive use
- No "grand unified" workflow
  language/approach.
- Unified Component Model may be
  useful.
- Compositional Model
- Execution Environment