

2nd ISF Catchment Characterisation Workshop/Seminar

Are we adding value to existing approaches?

Wednesday 2nd April, 2008

Program

- 08:45 - 08:50** Steve Rogers (CRC LEME): *Welcome and introductions* (Ray Evans to Chair/facilitate the workshop/seminar)
- 08:50 - 09:10 Ray Evans (Salient Solutions Australia):
Setting the scene: Overview of GFS and Catchment Characterisation- the existing frameworks, the uses and limitations (data inputs and management perspective) and terminology.
- 09:15 – 09:45 Colin Pain & Dave Gibson (CRC LEME/Geoscience Australia):
Broadscale landscape context
- *Australian landscapes and regolith*
 - *Erosion and deposition*
 - *Landscape evolution*
 - *Landscape processes and scale*
- 09:45 – 10:30 John Wilford (CRC LEME/Geoscience Australia):
Erosional landscapes: new generation GFS products:
- *Building blocks: new geology, regolith and landscape data and remote sensing and geophysical inputs*
 - *Multi-scale mapping approaches- illustrated by case studies:*
 - *Central-West NSW*
 - *Bet Bet & Upper Loddon*
 - *Adelaide Hills*
- 10:30 – 10:50 Morning tea**
- 10:50 – 11:05 C. Beverley (DSE Victoria), & M. Littleboy (NSW Dept of Environment & Climate Change): *Hydrogeological modelling using new GFS products, including sensitivity analysis comparison with pre-existing GFS data*
- *Bet Bet & Upper Loddon*
 - *Central-West NSW*
- 11:05 – 11:25 Jon Clarke, Dave Gibson & Colin Pain (CRC LEME/Geoscience Australia):
Characterising Australia's shallow aquifer systems in depositional landscapes.
- *Distribution, extent and age of the shallow aquifers*
 - *Modern sedimentological and regolith investigative methods*
 - *Conceptual*
 - *Technical (including geophysics interpretation)*
 - *Case studies*
 - *Lr Burdekin (Jon Clarke)*
 - *Lr Balonne (Colin Pain)*
 - *Ord (Jon Clarke)*
 - *River Murray Corridor (Jon Clarke)*
- 11:25 – 12:30 Future Directions: Panel Discussion Chaired by Ray Evans
Is there a demand for new catchment characterisation products? What are the possible future directions for catchment and aquifer characterisation products? Are these products directly of use in groundwater resource studies?
- 12:30 Lunch**