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| **09h00 − 09h30** | **Registration (if appropriate) and tea / coffee upon arrival** |
| 09h30 – 09h45 | Welcome & overview of symposium. **Prof. Denis Hughes** |
| 09h45 – 10h05 | Avoiding naive simplicities and aiming for requisite simplicities in models of complex social-ecological systems. **Prof. Tally Palmer** |
| 10h05 – 10h25 | The philosophy and practice of modeling complex and uncertain hydrological phenomena - complex models and simple models in hydrology. **Prof. Denis Hughes** |
| 10h25 – 10h30 | *Introduction to Keynote 1 speaker* |
| 10h30 – 11h00 | Keynote 1: Hydrological modeling  **Speaker and Title to be confirmed** (DWA) |
| 11h00 – 11h10 | *Questions for Keynote 1 speaker* |
| **11h10 – 11h25** | **TEA** |
| 11h30 – 11h50 | (Improving) understanding and modeling of surface water and groundwater interactions in a data-scarce country. **Ms. Jane Tanner** (IWR) |
| 11h50 – 11h55 | *Questions about surface-groundwater modeling* |
| 11h55 – 12h15 | Modeling landscape water use in Eastern Cape rural catchments using remote sensing. **Dr. Tony Palmer** (ARC and IWR). |
| 12h15 – 12h20 | *Questions about remote sensing and Geographical Information Systems* |
| 12h20 – 12h40 | Developing the Water Quality Systems Assessment Model (WQSAM) for management of South African freshwater resources. **Dr. Andrew Slaughter** (IWR) |
| **12h40 – 13h25** | **LUNCH** |
| 13h30 – 13h50 | The application of WQSAM in the Crocodile River Catchment: a water quality decision support system to facilitate a co-operative management process. **Mr. Hugo Retief (**IWR & UCEWQ) |
| 13h50 – 14h00 | *Questions about WQSAM and WQSAM applications in the Crocodile* |
| 14h00 – 14h05 | *Introduction to Keynote 2 speaker* |
| 14h05 – 14h35 | Keynote 2: The use of system dynamics modeling in water management.  **Dr. Jill Slinger** (TU Delft) |
| 14h35 – 14h55 | Modeling to facilitate strategic conversations between conflicting actors at the municipal level: the use of system dynamics in the Greater Kirkwood water supply scheme. **Mr. Jai Clifford-Holmes** (IWR & UCEWQ) |
| 14h55 – 15h05 | *Questions about system dynamics and system dynamics applications in the Greater Kirkwood area* |
| 15h05 – 15h30 | Discussion and concluding remarks **(Chaired by Prof. Denis Hughes)** |
| **15h30 – close** | **CLOSING TEA** |

Key to institutional affiliations and acronyms:

ARC = Agricultural Research Council

DWA = Department of Water Affairs

IWR = Institute for Water Research

TU Delft = Delft University of Technology, the Netherlands

UCEWQ = Unilever Centre for Environmental Water Quality