TONY JAKEMAN

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Members of the Centre can supervise projects in the following areas:

1. Methods for solving inverse problems in environmental systems
2. Flow and pollutant transport algorithms in river systems
3. Finite difference and finite element methods for subsurface flow
4. Models for predicting catchment response to various input mechanisms
5. Geographic Information Systems (GIS) and environmental modeling
6. Construction of Decision Support systems (DSS) for catchment management
7. Natural resource and agricultural economics modeling techniques to investigate catchment based issues
8. Investigation of crop modeling techniques to meet catchment based studies
9. Incorporating socio-cultural information in modeling
10. Physics of the atmosphere, eg solar radiation/energy budgeting and hydrology