



## **Ms Catherine Hughes**

### **Australian Nuclear Science and Technology Organisation (ANSTO), Australia**

Catherine Hughes is Senior Research Scientist at ANSTO's Institute for Environmental Research. She has 20 years of experience in tracing water, sediment and contaminant movement in groundwater, reservoirs, catchments and coastal water bodies using stable isotopes and artificial or naturally occurring radioisotopes as environmental tracers. Ms Hughes is also involved in investigating the movement of radioactive contamination in groundwater and sewage effluent and the impact of such radioactive releases on biota in the environment. She has been involved in IAEA/RCA activities teaching and demonstrating

applications of radiotracer technology to coastal engineering and environmental problems in Asia since 1999. More recently, Ms Hughes has contributed to the drafting of IAEA publications relating to environmental radiotracing. She has also been responsible for conducting the first risk assessments of radiation dose to animals and plants arising from field scale radiotracer studies.