



**Description of the participant:
The University of Nottingham**



The University of Nottingham encourages high quality curiosity-driven research to enhance its position as one of the leading research institutions in the UK. It maintains a dynamic programme of fundamental pure and applied research across the various disciplines.

The University of Nottingham School of Chemical Environmental and Mining Engineering (SChEME) is home to the Land Quality Management Group, one of the leading research groups in contaminated land in the UK. LQM staff are involved in research, education and consultancy across the entire spectrum of contaminated land from helping Local Authorities fulfil their responsibilities under Part IIa of the Environmental Protection Act 1990 through developing novel approaches to sampling strategy and risk assessment to ways of evaluating the sustainability of remedial strategy alternatives and of managing the financial risks associated with land contamination. LQM runs training courses that gives delegates from industry the skills they need to solve contaminated land and brownfield regeneration related problems.

LQM staff co-ordinate the CABERNET network and are involved in the CLARINET and NICOLE networks within Europe as well as various UK networks such as FOCIL, the Environment Industries Commission and AGS.

Current research activities include developing the use of Life Cycle Analysis for selecting remediation strategies. This builds on a recent project carried out for the Environment Agency with TNO (NL) and r³ Environmental to review approaches to sustainable remediation.

Through a CIRIA funded project and through a contract for a major insurance organisation, LQM staff have developed tools to assess, control and manage the financial risks associated with brown field sites.

Under a NERC/ DETR funded project and working with BGS, Institute of Terrestrial Ecology and the Institute of Hydrology, LQM researchers are developing decision support tools to assist local authorities make optimal use of the output from scientific programmes funded under the URGENT programme.

LQM, in partnership with ICI and the Institute of Petroleum are developing a Virtual Training Centre in Monitored Natural Attenuation in partnership with industry and regulators. This experience coupled with the University's commitment to maintaining excellence in teaching through web based learning environments will be applied to work package 11. The training will include both stand alone self-taught and tutor-delivered material on MNA of hydrocarbons and chlorinated solvents. The dedicated web site will also act as a gateway to other relevant information on the WWW.

SChEME, through the AIMS unit, also has an international reputation in 3D modelling and using Virtual Reality for health, safety and environmental training. SChEME is the home to CMTC – an organisation that aims to assist SMEs in former coal mining areas in the East Midlands to expand their markets and improve their environmental performance.

Through our work on many projects, we are used to working within large teams comprising many organisations. We believe that projects should be tackled by the strongest team of individuals – irrespective of their employer organisations. We make extensive use of technology to ensure the coordination and communication that is essential to the success of such large teams takes place.