

**NAME** J. Malcolm Ashworth  
**NATIONALITY** British



### RANGE OF EXPERIENCE

Malcolm has 40+ years' of experience. Over his career he has been employed as a Team Leader, Key Expert, Manager, Principal Consultant and Senior Hydrogeologist. He has provided project design, construction management and oversight for boreholes worldwide, which have been used for town and village water supplies, irrigated agriculture, dam pressure-relief, groundwater monitoring, scavenger wells and RO plants. In Oman, he helped identify the two largest reserves of groundwater in the Sultanate of Oman (Wahibah Sands and Nejd), advanced the identification UER lithostratigraphy, designed and supervised the construction of artesian boreholes, evaluated the effectiveness of recharge dams and carried out several flood risk assessments. In Botswana he was the Team Leader of water supply projects to bring water to Maun and villages on the edge of the Kalahari Desert. Malcolm is skilled in groundwater modelling and GIS, which he has used in IWRM. He has used this knowledge on Projects in Oman (~20 years' experience), Afghanistan (funded by ADB), a Master Plan for Nairobi in Kenya (World Bank and AFD financed), a water supply project for Albania (World Bank), a groundwater modelling and management project in Pakistan (ADB), and an EU funded project in Kosovo. He is also experienced at carrying out Groundwater Risk Assessments and has identified these risks in oilfields, fuel stations, schools and landfills, using UK Environment Agency guidelines and software, in Oman and the USA.

**CAREER SUMMARY** 1999-Present. Freelance Consultant to ADB (India), COWI AS, (Albania), Egis-BCEOM International (Kenya, Oman), FAO (Afghanistan), GFA (Kosovo), GRC (Oman), Komex (USA, Canada), Lahmeyer International (Pakistan, Sudan), PCI Asia (Afghanistan), RS and WRC (Botswana), UHL Associates (Burkina Faso) and World Bank (West Africa).  
 1991-1999, Expert Hydrogeologist, Ministry of Water Resources, Oman.  
 1991, Senior Hydrogeologist, M J Carter Associates, UK.  
 1984-1990, Hydrogeologist, Sir M. MacDonald & Partners, UK, Pakistan & Nigeria.  
 1984, Hydrogeologist, Wimpey Laboratory, UK.  
 1982-1983, Hydrogeologist, Isles of Scilly Council, Isles of Scilly, UK.

**EDUCATION** M.Sc. Hydrogeology, University of London, 1982. Diploma in Hydrogeology, University College London, 1982. B.Sc. Environmental Science, Plymouth Polytechnic, 1980

### KEY ASSIGNMENTS

- Flood risk assessments [GRC & NR, Oman].
- Inception reports for IWRM projects [Uhl, Burkina Faso & Mekong River Commission, LMR].
- Groundwater models, risk assessments, and reports for PDO, Al Bashayer, A'Namaa & O'Sool [GRC, Oman].
- Investigation of groundwater resources for one million date palms [GRC & Diwan, Oman].
- Feasibility study for a water supply to Durres [COWI & World Bank, Albania].
- Groundwater Modelling & Management of Bari Doab Canal Irrigation Project [Lahmeyer, ADB, Pakistan].
- Feasibility study and new water supplies for Nairobi [BCEOM, World Bank & AFD, Kenya].
- Roseires Dam heightening project, Blue Nile [Lahmeyer, Sudan].
- Institutional support to the Ministry of Environment and Spatial Planning [GFA, EU, Kosovo].
- Groundwater evaluations of Dhofar Governorate and Northern Oman [GRC & MRMEWR, Oman].
- Extension of Sur desalination plant [BCEOM & Veolia Water, Oman].
- Emergency infrastructure, rehabilitation and reconstruction project [PCI & ADB, Afghanistan].
- Groundwater projects for Maun, and villages near the Kalahari Desert [WS, WRC & PAWR, Botswana].
- Extraction of bitumen from oil-sands, EIA of oils activities [Komex, Canada and USA].
- Hydrogeological Expert – various assignments [MWR, Oman].
- Recharge schemes, scavenger wells and rural water supplies [MMP, World Bank, Oman, Pakistan, Nigeria].
- Dewatering requirements for a nuclear power station [Wimpey Laboratory, UK].
- Water resources investigation [St Mary's Council & EU, Isles of Scilly].

**COUNTRIES OF WORK** Afghanistan, Albania, Botswana, Burkina Faso, Cambodia, Canada, Kenya, India, Kosovo, Laos, Nigeria, Oman, Pakistan, Sudan, Thailand, UK, USA and Vietnam.

**LANGUAGES** Fluent in English. Basic knowledge of French.