

Barry John Lloyd – University of Surrey, UK.



Barry Lloyd is Professor of Environmental Health Engineering in the Faculty of Engineering and Physical Sciences at the University of Surrey, England. He is Director of the Centre for Environmental Health Engineering (CEHE) which is a research and postgraduate training centre specialising in the development of technologies and procedures and infrastructural development directed at *the protection of water resources and human health*. In this role as a World Health Organisation (WHO) collaborating centre CEHE has a well established M Sc programme in Water & Environmental Engineering which Lloyd first set up in 1989. This attracts students from all over the world including World Bank funded developing country students and young professionals working in the whole water cycle.

Professor Lloyd has led a series of UK Government funded water sector research and development programmes in Latin America and Asia during the past 25 years. He has also acted as a consultant for the UK Government's DFID and the World Health Organisation on more than 80 assignments. His projects have included water resources management, water treatment and supply, water surveillance, wastewater treatment and training for infrastructural development in more than 25 countries. He has worked extensively under assignment to PAHO/WHO in Latin America (Peru, Bolivia, Ecuador, Colombia, Nicaragua, Costa Rica, Guatemala, Honduras, Mexico), and to WHO in the Pacific (Philippines, Vanuatu, Fiji), in South Asia (Bangladesh, India, Maldives) and S E Asia (Thailand, Indonesia, Nepal, Myanmar, and Cambodia) and been the principal investigator in a series of water surveillance and resource management projects in the Caribbean and the UK. He has authored over 130 research publications and more than 100 research and consultancy reports and has won two UK national awards, for the development of water testing equipment and water treatment.

**Centre for Environmental Health Engineering (CEHE)
School of Engineering, University of Surrey.**

Recent and current research projects and contracts undertaken by CEHE.

CEHE R&D project	CEHE research teams and collaborators	Sponsorship
Performance evaluation and improvement of Waste Stabilisation Pond Design in Colombia, Mexico & Sri Lanka	BJL/RKG/Andreas Leitner National Water Commission of Mexico; National Water Resources Authority, Sri Lanka	UK Govt DFID & WHO(PAHO) Contract Nos; R6871, R7878
Water Resources Management, Windward Islands	BJL/RO + Caribbean Environmental Health Institute, Water Authorities St Lucia, Dominica	UK Govt DFID Contract No; R5936
Water Resources Management, River Test Methodological development of interaction matrices for catchment surveillance	BJL/MM + Environment Agency	Southern Water Contract No;
Integrated Water Resources Management, Philippines	BJL/ Water surveillance in country training component*	GTZ Germany 2001-02
Integrated Water Resources Management, Philippines	BJL/GTZ programme staff	GTZ Germany and Govt Philippines
Development of HYDRO-1D, 2D, 3D cfd with GIS for integrated modelling of Surface water resources:	RKG/BJL + Ali Khan	Mott MacDonald CURRENT project
CFD modelling for management of Jaffna aquifer	RKG/BJL + post grads UniS -UK based training	Various charities 2002-06
Management and protection of well water against saline intrusion and faecal contamination: Jaffna peninsula, Sri Lanka	BJL/RKG + Post Grad. Sorupy + MM Sri Lanka in country training component*	Stadtwerke Karlsruhe UniS Code KA4524 2007-08
Performance optimisation of 'natural' treatment processes	BJL/RKG +Thames Water	UK Govt + Thames Water CURRENT project
Performance optimisation of natural wastewater treatment processes	BJL/RKG + Thames Water + Alan Warren (Nat His Mus)	Funding not yet secured Part funding SRIF3
Applied ecological aspects of floating reed bed for improving water quality	BAC/BJL + A Vincent + Thames Water	Thames Water CURRENT project
Water surveillance for water supply improvement, Northern Areas, Pakistan	BJL/JJ + Haider Raza + Local project staff	Aga Khan foundation CURRENT project
Conceptual and mathematical modelling for sustainability of raw water reservoirs and lagoons for water supply to Tampico	BJL/RKG/MM + J Carlos Rivero	Tampico University + Nation Water Comisión, Mexico CURRENT project

*N.B. More than 35 short training courses in water surveillance have been undertaken by CEHE in developing countries on behalf of UN agencies over the past 10 years