



WATER TECHNOLOGY MARKET ANALYST



Eimear Ruane PhD, B.E.

Dr. Ruane has worked on technology commercialization assessments for a range of emerging water technologies and is involved in the development and analysis of the BlueTech Tracker database.

Eimear Ruane is a Research Analyst with the CleanTech consultancy, O₂ Environmental.

Eimear holds a PhD in the area of Agricultural and Environmental Engineering. The title of her PhD was 'Treatment of dairy soiled water using an aerobic woodchip filter and a sand filter'. Her PhD was a collaboration between the National University of Ireland, Galway and the Agricultural Research body Teagasc.

Eimear also completed a Campus Commercialisation Course further to her postgraduate studies. This course was run by the Technology Transfer Office at the National University of Ireland, Galway.

During her undergraduate studies and prior to commencing her post graduate studies Eimear worked in a number of Consulting Engineering firms in Ireland. She gained valuable insight into the areas of Water and Wastewater Treatment during this time.

HIGHLIGHTS OF RECENT PROJECTS

Suez Environment: Analysis of the Stormwater Market for a predictive software technology for combined sewer overflow management.

Hydrasyst: Market overview report on the Commercial Laundry Industry for a wastewater re-use technology.

Irish EPA: Analysis of emerging and innovative Phosphorus and Nitrogen treatment technologies for upgrading existing wastewater treatment

plants.

Johnson Matthey: Market sizing calculations for specific Industry sectors.

M2 Renewables: Analysis of the Canadian and US wastewater treatment market for the M2 Renewables product offerings.

Tyndall National Institute University College Cork: Analysis of water and wastewater markets for a novel Sensor application.

BlueTech Forum: Organized the O₂ Environmental second annual BlueTech Forum conference of water-tech start-ups, water corporations and investors.

EDUCATION

PhD. (Environmental Engineering), National University of Ireland, Galway and Teagasc, 2011

B.E. (Civil Engineering), National University of Ireland, Galway, 2007

PROFESSIONAL AFFILIATIONS

Water Environment Research Foundation (WERF)

EMPLOYMENT HISTORY

Tobin Consulting Engineers, Graduate Engineer, June-September 2007

Jennings O'Donovan Consulting Engineers, Student Engineer, April-September 2006



Publications

Ruane, E.M., Clifford, E., Murphy, P.N.C., Healy, M.G., French, P., Rodgers, M. 2011. Journal of Environmental Management 95 (2012) 49-55.

Ruane, E., Murphy, P.N.C., Healy, M.G., French, P., Rodgers, M. 2011. On-farm treatment of dairy soiled water using aerobic woodchip filters. Water Research 45 (2011) 6668 -6676.

Conference Papers

Ruane, E., Murphy, P., Clifford, E., O'Reilly, E., French, P., Rodgers, M. 2010. Treatment of dairy soiled water using a woodchip filter. CIGR 17th World Congress of the International Commission of Agricultural and Biosystems Engineering, Quebec City, Canada. 14-17 June 2010.

Ruane, E., Murphy, P., Clifford, E., O'Reilly, E., French, P., Rodgers, M. 2010. Treatment of dairy soiled water using a woodchip filter. BSAS/WPSA/Agricultural Research Forum Conference. Queen's University, Belfast. 12-14 April, 2010.

Ruane, E., Murphy, P., Clifford, E., O'Reilly, E., French, P., Rodgers, M. 2010. Treatment of dairy soiled water using a woodchip filter. ESAI Colloquium, Limerick IT, February, 2010.

Ruane, E. 2008. Expanding your opportunities: the postgraduate experience. NAITRL Bologna Series 1st Symposia, Cork. 2008.