

Constructed Wetland Association Annual Conference: Wastewater Management and Beyond...



16th & 17th July 2019, The Hilton Birmingham Metropole, UK

TUESDAY 16TH JULY

Keynote Speaker: Dr. Fabio Masi, Iridia

An environmental chemist and founding partner of IRIDRA Srl, Fabio is the co-author of over 450 designs for constructed wetlands around the world, collaborator on numerous international programmes and author of over 95 publications including a wealth of peer reviewed papers. He will give us an Illustrated overview of the multiple benefits of constructed wetland projects around the world; historical perspectives plus recent developments in pollution reduction, flood risk mitigation, wildlife habitat, educational resources and the amenity value of constructed wetlands.

Workshop & Site Visit

A workshop lead by Dr Fabio Masi and Dr Gaby Dotro of Cranfield University will provide an introduction to constructed wetland technologies. There will be a presentation of research undertaken at Hulland Ward, one of the sites on the afternoon visits, plus a discussion-based interactive session to explore ideas further.

Presentation: Two stage vertical flow constructed wetlands' performance and maturing in temperate climate

Khomenko, O.¹, Blanco, I.², Cook, A.², Cunliffe, D.², Dotro, G. ¹, Jefferson, B.¹, Coulon F. ¹, Jordan, T.², Shepherd, R.², Smith, R.², and Bajón Fernández, Y.¹. ¹Cranfield University, UK, ²Severn Trent Water, Coventry, UK

Site visit one will include a tour of Severn Trent Water's Hulland Ward wastewater treatment works which is an innovative constructed wetland that treats raw wastewater (including sludge) in a two-stage vertical flow constructed wetland treatment system. There will be a second site visit to a conventional horizontal flow system used for tertiary treatment nearby.

Evening Social event

Dinner and drinks at a local pub - details available upon registration

WEDNESDAY 17TH JULY

The Ingoldisthorpe Wetland one year on; nature, community and waste-water treatment

Tosney, J., Norfolk Rivers Trust, UK

Mires on the Wyre; Wetlands and the Catchment Based Approach

Myerscough, T.¹, Sweaney, G.², and Green, C.³, ¹Wyre Rivers Trust, UK, ²Wetland Engineering, UK, ³Wyre Council, UK

The health and wellbeing benefits of access to Green Infrastructure

Naismith, D., WWT Consulting, UK

Combating the limitations of artificial wetlands through modular design for a UK test project

Bassey, B., Coventry University

An innovative constructed wetland system to treat edible oil refinery wastewater

Kumar Ragen, A., University of Mauritius, Mauritius

Understanding the impact of vertical flow constructed wetlands sludge layer properties on its permeability

Khomenko, O., Dotro, G., Jefferson, B., Coulon F., and Bajón Fernández, Y., Cranfield University, UK

Rural Sustainable Drainage Systems : Experience on Ayrshire Farms so Far

Moir, S.E., Moir Environmental Ltd, UK

Willow constructed wetlands for wastewater treatment and bio-mass generation

Avery, L.M.¹, Beeseley, L.¹, Stockan, J.¹, Abel, C.¹, Tamburini, M.¹, Randerson, P.² and Hough, R.¹, ¹James Hutton Institute, UK, ²Cardiff School of Biosciences, UK

Constructed wetlands in the urban landscape / achieving wetland ecosystems services where space is limited

Fulford, G., Biomatrix Water Solutions, UK

Treatment of rural Agri-food production process water using low energy aerated wetland

Freeman, A.¹, Hawes, P.¹, Mathews, M.², Cooper, D.¹, ¹ARM Group Ltd, UK, ²Peak Associates Environmental Consultants Ltd, UK

POSTERS

Evaluation of performance of experimental scale sub-surface horizontal flow constructed wetland bed vegetated with water hyacinth in the treatment of domestic sewage

Abiola, A.O.¹, Adeniran, A.E.¹, Ajimo A.O.², Lamilisa, A.B., Aina, A.T.¹, Olanrewaju, O.O.⁴, ¹University of Lagos, Nigeria, ²Yaba College of Technology, Nigeria

Role of design and operational factors in the removal of pharmaceuticals by constructed wetlands

Ilyas, H.¹, Masih, I.^{1,2}, van Hullebusch, E.D.³, ¹Water Treatment and Management Consultancy, The Netherlands, ²IHE Delft, Institute for Water Education, The Netherlands, ³Institut de Physique du Globe de Paris, Sorbonne Paris Cité, Université Paris Diderot, France

The use of a 1D hydraulic drainage model to aid the design of a 500ha constructed wetland

Haw, R., Envireau Water

Register online at www.aquaenviro.co.uk

For further details about the CWA please visit www.constructedwetland.co.uk

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