

**TECHNICAL PROGRAM MONDAY ORAL SESSIONS**

<b>Thematic Session 1</b>		<b>Agriculture</b>		<b>September 13th, 2010</b>		
<b>M O N D A Y</b>	<b>Room: Cap-Tourmente</b>					
		<b>Authors</b>	<b>Titles</b>	<b>Country</b>	<b>1:20 - 3:00 PM</b>	
		<i>Session Chair and Co-chair: Dr. Isabelle Royer and Prof. Shigeo Fujii</i>			<i>Canada &amp; Japan</i>	
	S101-IWA-4657	Buda A.R., Kleinman P.J., Bryant R.B., Allen A.L.	Impact of Legacy Phosphorus Sources on Diffuse Phosphorus Pollution from Agriculture: Lessons from the Chesapeake Bay Watershed	USA	1:20 – 1:40	
	S102-IWA-4726	Wilkes G., Topp E., Lyautey E., Scott A., Gannon V., Jokinen C., Neumann N., Ruecker N., Edge T., Lapen D.	Detection and Prediction of Pathogenic Bacteria, Cryptosporidium oocysts and Giardia cysts in Surface Water and Associations with Environmental Conditions and Landuse within an Agricultural Landscape	Canada	1:40 – 2:00	
	S103-IWA-4676	Pau E.B., Demeter K., Masterson B., Meijer W.G.	Evaluation of the Microbiological Water Quality to Detect the Source of Faecal Pollution: A Case Study of the Dargle River (Ireland)	Ireland	2:00 – 2:20	
S104-IWA-4652	Miller J., Chanasyk D., Curtis T., Willms W.	Influence of Off-Stream Watering With and Without Fencing on Environmental Quality of the Lower Little Bow River and Associated Landscape in Southern Alberta, Canada	Canada	2:20 – 2:40		
S105-IWA-4559	Schenzel J., Schwarzenbach R.P, Bucheli T.D.	A Multi Residue Screening Method For The Quantification Of Mycotoxins In Various Natural Waters	Switzerland	2:40 – 3:00		

<b>Thematic Session 2</b>		<b>Modelling and Monitoring</b>		<b>September 13th, 2010</b>		
<b>M O N D A Y</b>	<b>Room: Les Chutes</b>					
		<b>Authors</b>	<b>Titles</b>	<b>Country</b>	<b>1:20 - 3:00 PM</b>	
		<i>Session Chair and Co-chair: Prof. Peter Vanrolleghem and Prof. Michael Stenstrom</i>			<i>Canada &amp; USA</i>	
	S201-IWA-4581	Rieckermann J., Sonderegger D. and Wittmer I.K.	Assessing the uncertainty of micropollutant loads from combined sewer overflows	Switzerland	1:20 – 1:40	
	S202-IWA-4723	Grenier M., <u>Rousseau A.N.</u> , and Campeau S.	Assessing the impact of beneficial management practices on biological integrity using the GIBSI integrated modelling system and the Eastern Canadian Diatom Index (IDEC)	Canada	1:40 – 2:00	
	S203-IWA-4566	Dunn S.M., Birkel C., Castellazi M., Fitzsimons V.	Catchment scale recovery from diffuse pollution in a changing world	United Kingdom	2:00 – 2:20	
S204-IWA-4605	Senevirathna L.T.M.D., Fujii S., Tanaka S., Herath G., Attanayaka	Occurrence of Perfluorinated compounds in SRI Lankan Waters	Japan	2:20 – 2:40		
S205-IWA-4680	Fall C., Topp E., Wilkes G., Sawada M.	Microbial contamination assessment with SWAT in an agriculturally dominated watershed	Canada	2:40 – 3:00		

<b>Thematic Session 3</b>		<b>Groundwater and surface water interactions</b>		<b>September 13th, 2010</b>		
<b>M O N D A Y</b>	<b>Room: Jean-Larose</b>					
		<b>Authors</b>	<b>Titles</b>	<b>Country</b>	<b>1:20 - 3:00 PM</b>	
		<i>Session Chair and Co-chair: Dr. Martine Savard and Prof. Wanpen Wirojanagud</i>			<i>Canada &amp; Thailand</i>	
	S301-IWA-4639	Azzellino A., Salvetti R. and Vismara R.	Groundwater Exchanges Of Pollutant Loads (Macro- and Micropollutants) To Surface Waters: A Source Apportionment Study	Italy	1:20 – 1:40	
	S302-IWA-4752	Kunkel R. and Wendland F.	Model based assessment of the effectiveness of groundwater protection measures in groundwater bodies on surface water quality improvement	Germany	1:40 – 2:00	
	S303-IWA-4582	Somers G.H. and Savard M.M.	Considerations for the mitigation of nitrate contamination: the importance of natural soil processes and insights from stable isotope studies	Canada	2:00 – 2:20	
S304-IWA-4634	Inoue T., Yamada T., Yokota K., Nagaya K., Himi H.	Estimation of nutrient loadings from the Toyo river watershed with a GIS based compartment model	Japan	2:20 – 2:40		
S305-IWA-4619	Battaglin W., Meyer M.T., Kuivila K.M, Dietze J.E.	Glyphosate and its Degradation Product (AMPA) in U.S. Soils, Surface Water, Groundwater, and Precipitation, 2001-2009	USA	2:40 – 3:00		

**TECHNICAL PROGRAM MONDAY POSTER SESSIONS**

Poster theme 1 Room: Blizzard		30 posters including 11 Flash Presentations	Agriculture and Nutrients	September 13th, 2010
		Authors	Titles	Country 3:00 - 5:15 PM
Coffee Break				
<i>Session Chair and Co-chair: Mrs. Katerina Ruzicka and Mr. Pat Feehan</i>				
<b>M O N D A Y</b>	P101-IWA-4597	Smalling K.L. and Kuivila K.M.	Analysis of Current-use Pesticides in Aquatic and Terrestrial Organisms Collected throughout California, USA	Austria & Australia USA 3:30 - 3:32
	P102-IWA-4681	Trudeau V. and Rondeau M.	Cocktails of Pesticides Entering the Fragile Wetlands of Lake Saint-Pierre	Canada 3:33 - 3:35
	P103-IWA-2265	Cornish P.S.	Predicting phosphorus mobilization from pasture land	Australia 3:36 - 3:38
	P104-IWA-4691	Jones C. and Schilling K.	Turbidity and Sediment Export in an Agricultural Watershed, 1916-2009	USA 3:39 - 3:41
	P105-IWA-4624	Cha S.M., Kang J.H., Lee S.W., Park Y., Kim H.J., Min K.S., Kim S.J., Kim J.H.	Stormwater runoff characteristics with effective rainfall and human activities in agricultural area, Korea	Korea 3:42 - 3:44
	P106-IWA-4739	Rousseau A.N., Lafrance P., Lavigne M.P., Savary S., Jiapizan F	FA Hydrological Modeling Framework for Defining Non-Regulatory, Watershed-Scale, Agro-Environmental Achievable Performance Standards of Pesticides BMPs	Canada 3:45 - 3:47
	P107-IWA-4646	Ngwa F.F., Madramootoo C.C. and Jabaji S.	Quantification of Toxigenic Microcystis sp. in the Missisquoi Bay, Quebec by Quantitative Real-Time PCR	Canada 3:48 - 3:50
	P108-IWA-4570	Corriveau J., Chambers P.A., Yates A.G., Culp J.M.	Snowmelt and its role in the hydrologic and nutrient budgets of prairie streams	Canada 3:51 - 3:53
	P109-IWA-4592	Agyei N.	Phosphate Adsorption by Fly Ash: An Experimental Illustration of the Frumkin isotherm	South Africa 3:54 - 3:56
	P110-IWA-4735	McLellan N., Gray L., Allin D., Damude K., DeFibo A., McLean K., Sararas E., Stone M., Price J.	The Effect of River Management on the Transient Storage and Release of Sediment and Associated Phosphorus in a Small Urban Impoundment	Canada 3:57 - 3:59
	P111-IWA-4844	Disyawangos G.	Lead Removal from Synthetic Wastewater Using Oil Palm Shell As An Adsorbent	Thailand 4:00 - 4:02
	P112-IWA-4593	Komori K., Harada A. and Suzuki Y.	Occurrence of Selected Pharmaceuticals in River Water in Agricultural or Urban Area and Their Environmental Risk Assessment	Japan
	P113-IWA-4747	Xiao L.W., Rodgers M., O'Connor M., Muller M.	Suspended sediments and Nutrients release from blanket peat forest during harvesting period	Ireland
	P114-IWA-4742	Michaud A.R., Deslandes J., Beaudin I., Saint-Laurent I., Vezina K., Gagne G., Grenon L.	Precision Diagnosis and Treatment of Critical Source Areas of Diffuse Pollution Using Imagery and LiDAR Data	Canada
	P115-IWA-4621	Tani K., Matsui Y., Kamata M., Iwao K., Ohno K., Matsushita T.	Runoff Sensitivity Analysis to Prioritize Pesticides for Monitoring	Japan
	P116-IWA-4743	Michaud A.R., Deslandes J., Desjardins J., Lauzier R.	Spatio-Temporal Gradients in Phosphorus Fluxes Influenced by Structural Runoff Control	Canada
	P117-IWA-4589	Lee H., Masuda T., Hosoi Y., Akao S.	Effect of surface condition of paddy field on pollutants runoff during non-irrigation period	Japan
	P118-IWA-4620	Qin X., Li Y., Wan Y., Ji X., Liao Y., Wang H., Liu Y.T.	Effect of surface condition of paddy field on pollutants runoff during non-irrigation period	China
	P119-IWA-4700	Chen W. and Kawara O.	Characteristics of Dissolved Organic Substances in the Kojima Lake Basin	Japan
	P120-IWA-4601	Anderson B., Major J. and Husk B.	The Use of Biochar as a Soil Amendment in Québec: Potential for Crop Yield Improvements and the Reduction of Phosphorus Mobility on Highly Manured Soils	Canada
P121-IWA-4604	Min K.S. and Choi S.H.	Characteristics of Non-point source pollutants(NPS) Runoff from Vinyl covered green house area	Korea	
P122-IWA-4648	Zhang Q., Krauss M., Neft A., Kuch B., Minke R., Steinmetz H.	Assessment Of River Water Quality In A Watershed Affected By Large-scale Rubber Plantations	Germany	
P123-IWA-4703	Flahive K.	Managing Agricultural Lands: Water Quality and Nutrient Management Planning	USA	
P124-IWA-5142	Smith A.B., Schoenau J., Lardner B., Elliott J.	Nutrient Export In Run-Off From An In-Field Cattle Overwintering Site In East-Central Saskatchewan	Canada	
P125-IWA-4606	Hejzlar J., Borovec J., Jan J., Kopacek J., Potuzak J., Rohlik V.	Sources of eutrophication and water quality decline in a drinking water reservoir with catchment recovering from acidic atmospheric deposition and agricultural use	Czech Republic	
P126-IWA-4693	Roy S., Levasseur M. and Starr M.	Impact of Eutrophication on Phytoplankton Growth in Coastal Environments: Is the St. Lawrence Estuary at Risk?	Canada	
P127-IWA-4661	von Sperling E.	Influence of Sewage Discharge on the Water Quality of a Water Supply River: Case Study of River Velhas, Brazil	Brazil	
P128-IWA-4764	Islam M.S., Kimura I. and Shimizu Y.	Numerical Computations of Density Mixing Currents and Water Quality Variations in a Closed Water Basin	Japan	
P129-IWA-4751	Izurieta J.L., Izurieta J., Hernandez R.D., Mijangos M.A., Saldaña P., Gomez M.A.	Nutrients Loads in a Basin of Oaxaca at the Southeast of Mexico	Mexico	
P130-IWA-4720	Yoshinaga I.	Nitrate Contamination of Irrigation Ponds in a Limestone Island	Japan	

Poster theme 2		15 posters including 4 Flash Presentations		Modelling, Monitoring and Remote sensing		September 13th, 2010		
Room: Blizzard								
		Authors		Titles	Country	3:00 - 5:15 PM		
M O N D A Y	Coffee Break							
	<i>Session Chair and Co-chair: Mrs. Katerina Ruzicka and Mr. Pat Feehan</i>					Austria & Australia		
	P201-IWA-4684	Denault J.T., van Bochove E., Khaldoune J., Bernier M., Nolin M.N.		A Geospatial Decision Support System for Spring Melt Soil Erosion Risk Management at the Watershed Scale using Synthetic Aperture Radar (RADARSAT-1 & 2)	Canada		4:03 - 4:05	
	P202-IWA-4647	Rollo N.		Modelling of coastal water contamination due to land-based sources: the example of the Auray River (France)	France		4:06 - 4:08	
	P203-IWA-4644	Kunacheva C., <u>Fujii S.</u> , Tanaka S., Boontanon S.K., Musirat C., Wongwatthana T.		Solid and Liquid Phase of Perfluorinated Compounds (PFCs) in Chao Phraya River, Thailand	Japan		4:09 - 4:11	
	P204-IWA-4653	Ruzicka K., Winkler S., Saracevic E., Kornfeind L., Winkelbauer A., Genssler J., Zessner M.		Online Water Quality Monitoring - from measured data to useful information	Austria		4:12 - 4:14	
	P205-IWA-4696	Rhee H.P., Jang J.H., Son Y.K., Lee S.B., Lee S.J., Yoon C.G.		Modifications of SWAT for Modelling Organic Matters in Korea	Korea			
	P206-IWA-4701	Kovacs A.		MONERIS 2.14-AT: an Improved Nutrient Emission Model for Austrian Conditions	Austria			
	P207-IWA-4815	Mijangos M.A.		Diffuse pollution control in the lower Lerma river basin, Mexico	Mexico			
	P208-IWA-4692	Alem A.E., Chokmani K., Laurion I., Adlouni S.E.		A new remote sensing approach using MODIS 250-m data for monitoring harmful algal blooms in Southern Quebec lakes	Canada			
	P209-IWA-4628	Wang X.		Effect of DEM Mesh Size on AnnAGNPS Simulation and Correction	China			
	P210-IWA-4575	Boulé V., Coulombe M.-L., Vallieres C., Caisse G., Leveille M.		A new and complementary monitoring tool for watershed organizations to avoid underestimating the impact of land use and rainfall on sediment transport. A R&D Project in the Cap Rouge River	Canada			
	P211-IWA-4573	Kim J.J. and Jeon J.H.		Analysis of Non-point Source Pollution for Land Use Change at Kyoung-An Watershed	Korea			
	P212-IWA-4719	Winkler S.		Benefits and challenges in continuous long term field monitoring	Austria			
	P213-IWA-4695	Muma M., Rousseau A.N., Paniconi C., van Bochove E., Nolin M., Yang W., Branger F.		Surface water-Groundwater Hydrological Modeling of Drained Agricultural Micro-Watershed	Canada			
P214-IWA-4698	Rahbeh M., Chanasyk D. and Miller J.		Hydrologic Modelling of the WEBS Lower Little Bow Watershed in Southern Alberta	Canada				
P215-IWA-4775	Ballantine D.J.		Long and short term trends in river water quality in New Zealand (1989-2007)	New Zealand				

Poster theme 3		10 posters including 4 Flash Presentations		Urban areas and roads		September 13th, 2010		
Room: Blizzard								
		Authors		Titles	Country	3:00 - 5:15 PM		
M O N D A Y	Coffee Break							
	<i>Session Chair and Co-chair: Mrs. Katerina Ruzicka and Mr. Pat Feehan</i>					Austria & Australia		
	P301-IWA-4869	D'Arcy B., Cundill A., Asher L., D'Arcy B.J., Napier F., McCreddie B., McLean N., Clark R.		Industrial estates are diffuse sources of pollution	United Kingdom		4:15 - 4:17	
	P302-IWA-4678	Scholes L., Revitt M., Ellis B., Vanrolleghem P.		Selecting Stormwater BMPs to Reduce Emissions of Priority Pollutants from Industrial and Commercial Estates to Receiving Waters	United Kingdom		4:18 - 4:20	
	P303-IWA-4611	Björklund K., Strömvall A.M. and Malmqvist P.A.		Screening of Organic Contaminants in Urban Snow	Sweden		4:21 - 4:23	
	P304-IWA-4688	Gutjahr N., <u>Neft A.</u> , Kuch B., Dittmer U.		Assessment of pollutant loads in stormwater runoff by a combination of online-monitoring and sampling	Germany		4:24 - 4:26	
	P305-IWA-4690	Kuch B., Stotz G., <u>Neft A.</u> , Dittmer U.		Correlation of physical properties and pollutant loads of particles in urban stormwater runoff	Germany			
	P306-IWA-4594	Okayasu Y., Minamiyama M. and Suzuki Y.		Evaluation of pollutant delivered load including wet weather discharge from urbanized area with insufficient sewerage	Japan			
	P307-IWA-4750	Andoh R. and Pitt R.		Engineered BMPs for retrofitting in dense developments	USA			
	P308-IWA-4717	Budai P. and Clement A.		Evaluation of a new approach for road runoff sampling	Hungary			
P309-IWA-4746	Choi J.H., Yoon C.G., Rhee H.P., Lee S.J.		Unit-load estimation in urban area using SWMM and effective rainfall ration method	Korea				
P310-IWA-3971	Sae-Chew W.		The study of Waste Load dispersion in Songkhla Lake By Simulation Model Method	Thailand				

Poster theme 4		4 posters		Economics		September 13th, 2010		
M O N D A Y	Room: Blizzard							
	Authors		Titles		Country		3:00 - 5:15 PM	
	Coffee Break							
	<i>Session Chair and Co-chair: Mrs. Katerina Ruzicka and Mr. Pat Feehan</i>							
	P401-IWA-4625	Ghanbary F., Jafarian A. and Keshavarzi M.		Using Fuzzy Interpolation for the degradation of the Tartrazin (Acid Yellow 23) by Fenton and Photo-Fenton Processes			Austria & Australia	
P402-IWA-4643	Shiratani E., Kubota T., Hamada K., Hitomi T.		Political and Technological Issues for Environmentally-sound Agirculture in Japan			Iran		
P403-IWA-4656	Sihem T.		Eco Design As New Culture Industry			Japan		
P404-IWA-5175	Yamada K., Kato H. and Shimizu T.		Evaluation Study on Effectiveness of Sewerage System for Diffuse Pollutant Reduction in Urban Areas in Japan			Algeria		
						Japan		

**TECHNICAL PROGRAM TUESDAY ORAL SESSIONS**

Thematic Session 4		Agriculture		September 14th, 2010		
Room: Cap-Tourmente						
T U E S D A Y	Authors	Titles		Country	8:30 - 12:05 AM	
	<i>Session Chair and Co-chair: Dr. Aubert Michaud and Dr. Ralph Kunkel</i>				<i>Canada &amp; Germany</i>	
	<b>Keynote speaker</b> <b>S400-IWA-5304</b>	<b>Dr. Andrew Sharpley</b>	<b>Applying a Critical Source Area Approach to Phosphorus Management: Experiences, Challenges and Opportunities</b>		<b>USA</b>	<b>8:30 – 8:55</b>
	S401-IWA-4730	Little J., Olson B., Kalischuk A., Buruma W., Casson J.P., Charest J., Fitzpatrick C., Ontkean G., Phelan C., Villeneuve J.	Evaluation of Nutrient BMPs in Agricultural Watersheds of Alberta		Canada	9:00 – 9:20
	S402-IWA-4574	Orlikowski D., Bugey A., Périllon C., Julich S., Guégain C., Soyeux E., Matzinger A.	Development of a GIS Method to Localize Critical Source Areas of Diffuse Nitrate Pollution		France	9:20 – 9:40
	S403-IWA-4686	Schoumans O.	Overview of mitigation options to reduce nutrient losses from rural areas and to improve surface water quality		Netherlands	9:40 – 10:00
	S404-IWA-4541	Allaire S.E., van Bochove E., Thériault G., Denault J.T.	How can we insert preferential flow processes into risk indicators of diffuse water pollution?		Canada	10:00 – 10:20
	<b>Coffee Break</b>				<b>10:20 – 10:45</b>	
	<i>Session Chair and Co-chair: Dr. Glenn Benoy and Mr. Georges Thériault</i>				<i>Canada &amp; Canada</i>	
	S405-IWA-4667	Patoine M., Hébert S. and D'Auteuil-Potvin F.	Water Quality Trends in the Last Decade for Ten Watersheds Dominated by Diffuse Pollution in Quebec (Canada)		Canada	10:45 – 11:05
S406-IWA-4760	Sawada Y., Ichiki A., Okubo T., Dei H.	Estimation of Pollutant Behavior in Rice Paddy Fields Based on 3 Year Surveys - A Study around Lake Biwa, Japan		Japan	11:05 – 11:25	
S407-IWA-4615	Maniquiz M.C., Lee S.Y., Kang C.G., Kim S., Kim L.H.	Nutrient and Organic Removal by a Constructed Wetland during Storm Events		Korea	11:25 – 11:45	
S408-IWA-4633	Wilcock B.	Performance of a Natural Wetland Attenuating Nutrient and Faecal Runoff from a Dairy Catchment		New Zealand	11:45 – 12:05	

Thematic Session 5		Modelling and Monitoring		September 14th, 2010		
Room: Les Chutes						
T U E S D A Y	Authors	Titles		Country	8:30 - 12:05 AM	
	<i>Session Chair and Co-chair: Prof. Habib Muhammetoglu and Dr. Beata Novotna</i>				<i>Turkey &amp; Slovakia</i>	
	<b>Keynote speaker</b> <b>S500-IWA-5488</b>	<b>Prof. Peter Vanrolleghem</b>	<b>Monitoring for Modelling and Modelling for Monitoring in Water Quality Management</b>		<b>Canada</b>	<b>8:30 – 8:55</b>
	S501-IWA-4663	Wang X. and Ou Y.	GIS and ordination techniques for studying watershed characteristics influence on river water quality		China	9:00 – 9:20
	S502-IWA-4577	Bannink A.D. van den Berg G. and Volz J.	Substances that threaten the drinking water function of the river Meuse		Netherlands	9:20 – 9:40
	S503-IWA-4682	Ejhed H., Wallin M., Ronnback P., Liljeberg M., Olshammar M.	Load of Zn, Cd, Cu, Ni, Pb and Hg from diffuse sources and point sources for the entire Sweden		Sweden	9:40 – 10:00
	S504-IWA-4674	Michaud A., Beaudin I., Seydoux S., Gombault C.	Modélisation hydrologique des effets synergiques et antagonistes de la combinaison de pratiques bénéfiques sur la qualité de l'eau. Exemple dans le bassin versant du ruisseau Walbridge, en Montérégie		Canada	10:00 – 10:20
	<b>Coffee Break</b>				<b>10:20 – 10:45</b>	
	<i>Session Chair and Co-chair: Prof. Lee-Hyung Kim and Dr. Rob Davis-Colley</i>				<i>Korea &amp; New Zealand</i>	
	S505-IWA-4564	Zamyadi A., Gallichand J. and Duchemin M.	Assessment and comparison of model-based load estimation strategies for nitrogen and sediment from a small agricultural watershed		Canada	10:45 – 11:05
S506-IWA-4599	Venohr M.	Nutrient loads in a Canadian boreal river: Applicability of a European nutrient emission model to a remote river system		Germany	11:05 – 11:25	
S507-IWA-4702	Kim J.S., Yoon C.G., Son Y.K., Jung K.W.	Spatial hydrodynamic and water quality prediction for constructed wetland using EFDC		Korea	11:25 – 11:45	
S508-IWA-4616	Ndong M.	Eutrophic Waters: Cyanobacteria and Toxin Occurrence and Modelling		Canada	11:45 – 12:05	

Thematic Session 6		Economics		September 14th, 2010	
Room: Jean-Larose					
Authors		Titles		Country	
				8:30 - 12:05 AM	
<i>Session Chair and Co-chair: Dr. Carlyle Ross and Prof. Xiaoyan Wang</i>				<i>Canada &amp; China</i>	
<b>Keynote speaker</b>	<b>Mr. Sean Blacklocke</b>	<b>Emerging economic instruments for addressing diffuse pollution</b>		<b>Ireland</b>	<b>8:30 – 8:55</b>
<b>S600-IWA-5172</b>					
S601-IWA-4631	Tamini L.D.	Adoption of Best Management Practices to Improve Water Quality: The Impacts of Agri-Environmental Advisory Activities		Canada	9:00 – 9:20
S602-IWA-4642	Tamini L.D., Fongué M.N. and Larue B.	Technical and environmental measurement in agriculture		Canada	9:20 – 9:40
S603-IWA-4567	Buckley C.	Nutrient Management Efficiency in the Republic of Ireland - Saving the Environment and Reducing Costs		Ireland	9:40 – 10:00
S604-IWA-4759	Clement A.	Cost-efficiency analysis of phosphorus load reduction measures		Hungary	10:00 – 10:20
<b>Coffee Break</b>					<b>10:20 – 10:45</b>
<i>Session Chair and Co-chair: Mr. Ray Earle and Dr. Barry Evans</i>				<i>Ireland &amp; USA</i>	
S605-IWA-4576	Collentine D. and Johnsson H.	Crop discharge permits for reduction of nitrogen loads to the Baltic Sea		Sweden	10:45 – 11:05
S606-IWA-4754	Landre A., Mohapatra S.P., Esakin T.C., Carter-Whitney M.	Non-Point Sources of Pollution in the Great Lakes Basin: An Analytical Review of Abatement Policies		Canada	11:05 – 11:25
S607-IWA-4728	Khakbazan M., Hamilton C., Amiraslani A.	Economics of Nutrient Management Practices in the South Tobacco Creek Watershed in Manitoba		Canada	11:25 – 11:45
S608-IWA-4733	Ross C., Stephanus K.W., Dale K., Scott J., Unterschultz J.	Watershed Evaluation of Beneficial Management Practices (WEBs): On-Farm Economic Benefits and Costs		Canada	11:45 – 12:05

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**TECHNICAL PROGRAM TUESDAY POSTER SESSIONS**

Poster theme 5		21 posters including 8 Flash Presentations	Agriculture and Nutrients	September 14th, 2010	
Room: Blizzard					
	Authors		Titles	Country	3:00 - 5:15 PM
T U E S D A Y	Coffee Break				
	Session Chair and Co-chair: Mr. Peter Schipper and Mr. Mark Sekela			Netherlands & Canada	
	P501-IWA-4685	Bettahar N., Kettab A. and Hannia K.	Contributions of nitrogen and mechanisms of transfer in the soil of the semi-arid zones - Case of the valley of Western middle Cheliff (Northern Algerian)	Algeria	3:30 - 3:32
	P502-IWA-4561	Srivastava A., Singh N. and Srivastava P.C.	Potential Of Amendments In Reducing Leaching Of Chloropyrifos To Groundwater	India	3:33 - 3:35
	P503-IWA-4729	Gasser M.O.	Nitrogen and phosphorus losses in tile drainage under a corn canola wheat rotation receiving mineral and manure fertilizers	Canada	3:36 - 3:38
	P504-IWA-4572	Reilly T.J., Smalling K.L. and Orlando J.L.	Occurrence of fungicides associated with potato cultivation in surface water, groundwater, and sediment throughout the U.S.	USA	3:39 - 3:41
	P505-IWA-4694	Michaud A.R., <u>Beaudin I.</u> , Giroux M., Desjardins J., Duchemin M., Gagné G., Landry C., Drouin A.	Using P-EDIT to Target Source Areas of Agricultural Diffuse P Export. An example in southern Quebec	Canada	3:42 - 3:44
	P506-IWA-4600	Hürdler J. and <u>Venohr M.</u>	Modelling future nutrient emissions from the Oder River Basin: An application of socioeconomic development and climate change scenarios	Germany	3:45 - 3:47
	P507-IWA-4767	Maranger R., Maltais-Landry G. and Blanchet C.	Variability in nitrogen content of aquatic plants: utility as an indicator N dynamics within and among lakes	Canada	3:48 - 3:50
	P508-IWA-4744	Rozkosny M., Bernardova I. and Hudcova H.	Nutrient Treatment Efficiency of the Natural and Constructed Wetlands in the southern parts of Morava and Dyje River Basins (Danube basin)	Czech Republic	3:51 - 3:53
	P509-IWA-4664	Iranag A.R. and Aghdam K.M.	Determination of volatile organic compounds in surface waters and ground waters in East Azerbaijan (Iran)	Iran	
	P510-IWA-4766	Hamada K.	Dynamics of Indicator Microorganisms in an Agricultural Irrigation System in Japan	Japan	
	P511-IWA-4861	Wu K.	Characterizing Snowmelt Runoff in Prairie Agricultural Watersheds: Preliminary Results	Canada	
	P512-IWA-4630	Shore M., Melland A., Jordan P., Mellander P.E.	Verification of Digital Terrain Derived Hydrological Flow Paths of Agricultural Catchments	Ireland	
	P513-IWA-4687	Rasolomanana S.D., Vanrolleghem P. and Lessard P.	Single-Objective Vs. Multiobjective Autocalibration In Modeling Daily Total Suspended Solids And Phosphorus In Small Agricultural Watershed With SWAT	Canada	
	P514-IWA-4626	Pote D.H., Way T.R., Kleinman P.J., Moore P.A., Sistani K.R.	Protecting Water Quality by Developing Subsurface Application Technology for Dry Animal Manures	USA	
	P515-IWA-4772	Mishima S. and Kohyama K.	Phosphorus load potential estimated from phosphorus surplus in Japanese agriculture	Japan	
	P516-IWA-5309	Kang M.	Nutrient Diffusion Caused by Runoff in the Case of a Sweet Potato Plot	Korea	
	P517-IWA-4662	Von Sperling E., Santos D. and Amaral R.	Use of shading equipment for eutrophication control in a Brazilian water reservoir	Brazil	
	P518-IWA-4584	Akao S., Nagamatsu S., Hosoi Y., Fujiwara T.	Utilization of Trapa japonica Extracts for Cyanobacterial Growth Inhibition	Japan	
	P519-IWA-4640	Oliveira M., Machado A.V. and Nogueira R.	Use of hybrid material onto phosphorus removal	Portugal	
P520-IWA-4627	Bai Y., Zuo J. and Gan L.	A study on restoration of a simulated Chinese eutrophicated lake by limiting the phosphorous and controlling HRT	China		
P521-IWA-5471	Edwards L.M.	Soil surface integrity in organic cropping systems under Prince Edward Island conditions	Canada		

Room: Blizzard

	Authors	Titles	Country	3:00 - 5:15 PM
	Coffee Break			
	<i>Session Chair and Co-chair: Mr. Peter Schipper and Mr. Mark Sekela</i>		<i>Netherlands &amp; Canada</i>	
P601-IWA-4756	Blacklocke S., Bruen M., Kelly-Quinn M., Feeley H.	An Assessment of Spatial Statistical Techniques to Inform the Development of Empirical Models for the Prediction of Forestry Practice Impacts on Surface Waters in Ireland	Ireland	3:54 - 3:56
P602-IWA-4765	Novotna B., and van Bochove E.	Modelling of Surface Runoff Processes for Integrated Water Quality Study in an Agricultural Watershed of Quebec, Canada	Canada	3:57 - 3:59
P603-IWA-4629	Wang X.	Impact of Critical Source Area (CSA) on AnnAGNPS Simulation	China	4:00 - 4:02
P604-IWA-4715	Pak G., Kim D., Jung M., Kim H., Yoon J.	Analysis of hydrology for Bocheong Stream Basin for the modeling of acid mine drainage	Korea	4:03 - 4:05
P605-IWA-0000	Seo S.D., Ha S.R. and Lee J.Y.	Effect of Water Release Operations on the Turbidity Distribution in Dae-Cheong Dam Reservoir	Korea	4:06 - 4:08
P606-IWA-5297	Yalcin O.B., Muhammetoglu A.	Evaluation of Initial Mixing Characteristics with Diffuse Bacteriological Pollution Levels Around Antalya Sea Outfall	Turkey	4:09 - 4:11
P607-IWA-4697	Elvince R., Inoue T., Yokota K., Ardianor A., Gumiri S., Dohong S., Kawakami T., Nagafuchi O.	Mercury Investigation in River Water and Sediment from Barito River, Central Kalimantan, Indonesia	Japan	4:12 - 4:14
P608-IWA-4716	Muhammetoglu H., Demirel I., Ozden T., Palanci I., Muhammetoglu A., Karadirek E., Kitis M.	Online Water Quality & Quantity Monitoring for Drinking Water Utility in Antalya City –Turkey	Turkey	
P609-IWA-4714	Muhammetoglu A., Koçer M.A., Durmaz S., Emre Y., Muhammetoglu H.	Evaluation of water quality management scenarios for aquaculture ponds in a stream by dynamic modelling application	Turkey	
P610-IWA-4565	Cho M., Yoon C.G., Son Y.K., Lee S.B.	Feasibility of watershed and ecological model application to assess biological river water quality	Korea	
P6111-IWA-4722	Genssler J., Winkler S., Saracevic E., Ruzicka K., Kornfeind L., Winkelbauer A., Zessner M.	Near real-time processing of water quality data	Austria	
P612-IWA-4734	Wang Z. and Park M.H.	Land Use Change Impact on Stormwater Quality of Wachusett Reservoir Watershed	USA	
P613-IWA-4618	Chiban S., Terfous A., Ghenaim A., Poulet J.B.	Sedimentation Prediction near Small Municipal Submarine Outfalls	France	
P614-IWA-4659	Rhee H.P., Yoon C.G., Choi J.H., Lee S.J.	Analysis for runoff characteristics of nonpoint source pollution from urban land-uses using SWMM in Korea	Korea	
P615-IWA-4713	Jung K.W., Yoon C.G. and Rhee H.P.	Hydrodynamic and Water Quality Models to evaluate BMPs for Paldang Reservoir in Han River Basin	Korea	
P616-IWA-4614	Keszycka M. and Lomotowski J.	Application of the general AVRAMI equation in studies on changes in the granulometric composition of algal suspensions	Poland	
P617-IWA-4865	Sénéchal J., Lamontagne Y., Savaria J., Rodrigue M., Pérusse L.	Quebec Marine Water Quality Monitoring	Canada	
P618-IWA-5321	Tantemsapya N., Wirojanagud W. and Naksakul Y.	Mathematical Modeling of Heavy Metals Contamination from MSW Landfill Site in Khon Kaen, Thailand	Thailand	
P619-IWA-4740	Luc V. and Rousseau A.N.	Towards a future research agenda on integrated water resources management in Québec	Canada	
P620-IWA-4586	Chang C.L. and Chao Y.C.	Applying Qual2K to predict the change of water quality induced by pollution control strategies	Taiwan	
P621-IWA-4649	Yillia P.T. and Kreuzinger N.	Diffuse pollution from storm-induced transient events in a rural stream	Kenya	
P622-IWA-4725	Davies H. and Hanley T.	Identifying stress intensity levels of human activities within prairie watersheds	Canada	
P623-IWA-4732	Sylvain J.-D., Michaud A.R., Deslandes J., Beaudin I.	Hydropedological classification of landscape using digital elevation model and multispectral data	Canada	
P624-IWA-4753	Razafindrasoa A.J.	Changing Landscape And Diffuse Pollution By Nitrates : Identifying The Role Of Crop Diversification In La Reunion Island	Reunion	
P625-IWA-4588	Amirnezhad R.	Environmental management of watershed, the best method for controlling the non-point source pollutions	Iran	
P626-IWA-4637	Grešová L. Stredanský J. and Novotná B.	Wind erosion impact on soil and water quality	Slovakia	
P627-IWA-5127	Mijangos M.A.	Diffuse pollution control in the lower Lerma River Basin Mexico	Mexico	
P628-IWA-0001	Kapaj K. and Ruci L.	Spatio-Temporal Variability of Diffuse Pollution along the Albanian Adriatic Coast	Albania	
P629-IWA-4603	Pappas S., Strachan S. and Ryan A.R.	A preliminary examination of biological and physical-chemical water quality indicator results from selected sites in British Columbia	Canada	
P630-IWA-4622	Choi J., Gorme J.B., Lee J., Kim L.H.	Seasonal Biomass Changes at Newly Constructed Wetland in Agricultural Areas	Korea	

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Poster theme 7		8 posters including 2 Flash Presentations		Urban areas and roads		September 14th, 2010		
Room: Blizzard								
T U E S D A Y	Authors		Titles		Country		3:00 - 5:15 PM	
	Coffee Break							
	<i>Session Chair and Co-chair: Mr. Peter Schipper and Mr. Mark Sekela</i>							
	P701-IWA-4598	Todorovic Z., Barbarito B., D'Arcy B., McLean N.	SUDS retrofit in Scotland to treat diffuse pollution from the industrial estates	Netherlands & Canada				
	P702-IWA-4655	Wada K., Nishikawa M. and Kishimoto N.	Control Approach to Non-biodegradable Organic Matter in Roadway Runoff	United Kingdom			4:15 - 4:17	
	P703-IWA-4763	Ichiki A., Miura Y. and Aida Y.	Characteristics and Ecological Risk of Urban Nonpoint Pollution - An Assessment Using Chironomus Yoshimatsui	Japan			4:18 - 4:20	
	P704-IWA-4741	Rozkosny M., Berankova D., Kriska M., Salek J.	Study of Highways, Roads and Parking Lots Runoff Pollution and Treatment by Infiltration Ditches	Czech Republic				
	P705-IWA-4568	Liu A., Egodawatta P. and Goonetilleke A.	Characterisation of Pollutants Build-up on Urban Road Surfaces	Australia				
	P706-IWA-4666	Rajab R.P., Harzandi A.M., Lotfi E.Z., Keshavarzi M., Fathollahnezhad N., Rostami A.K.	Quality monitoring for water treatment effluents in East Azarbaijan Province (IRAN)	Iran				
	P707-IWA-4590	Min K.S. and Lee S.M.	The purification of the first by vortex type Facilities and filter facilities.	Korea S				
P708-IWA-4638	van den Roovaart J.C. and de Rijk S.	Characterization and quantification of emission sources in river catchments; possibilities for international harmonization	Netherlands					

Poster theme 8		7 posters including 1 Flash Presentation		Mitigation measures		September 14th, 2010		
Room: Blizzard								
T U E S D A Y	Authors		Titles		Country		3:00 - 5:15 PM	
	Coffee Break							
	<i>Session Chair and Co-chair: Mr. Peter Schipper and Mr. Mark Sekela</i>							
	P801-IWA-4609	Seo S.H., Sung B.W., Kim G.J., Chu K.H., Um C.Y., Lee J.W., Ra Y.H., Ko K.B.	Removal of Dissolved Heavy Metals in Acid Mine Drainage by Ozone Oxidation and Micro-sand Filtration: a Pilot-scale Operation	Netherlands & Canada			4:21 - 4:23	
	P802-IWA-4578	Perillon C., Orlikowski D., Krause B., Guégain C., Sautjeau B., Randon G., Matzinger A.	Mitigation of diffuse agricultural pollution in Brittany: Pilot designs for constructed wetlands and bioretention swales	France				
	P803-IWA-4617	Zhang L.	Contamination interception of the Southwood Lakes in Windsor, Ontario by 10 years water monitoring	Canada				
	P804-IWA-4724	Bruulsema T.	Nutrient stewardship for mitigation of diffuse sources of nutrients from crop production	Canada				
	P805-IWA-4607	Rajab R.P., Lotfi E.Z., Harzandi A.M., Keshavarzi M., Nejad N.F.	TOC Relation to Disinfection By Products in Drinking Water Reservoirs and Effective Factors in This Process	Iran				
	P806-IWA-5178	Ki D., Song K.-G., Won S.-Y., Cho K.W., Ahn K.-H.	Determination of Eco-Friendly Media and Permeation Types for Purifying Polluted River Water	Korea				
	P807-IWA-5179	Ki D., Song K.-G., Won S.-Y., Cho K.W., Ahn K.-H.	Effect of Modified Multi-Soil Layering System in case of the Polluted Environment with Diverse Influent Conditions	Korea				

**TECHNICAL PROGRAM WEDNESDAY ORAL SESSIONS**

Thematic Session 7		Nutrients and Ecological targets		September 15th, 2010		
<b>Room: Cap-Tourmente</b>						
<b>WEDNESDAY</b>	Authors	Titles		Country	8:30 - 12:05 AM	
	<i>Session Chair and Co-chair: Prof. Eduardo Von Sperling and Prof. Luis Bravo Inclan</i>				Brazil & Mexico	
	<b>Keynote speaker</b> <b>S700-IWA-5303</b>	<b>Dr. Clive Howard-Williams</b>	<b>Keynote paper - Diffuse pollution and freshwater degradation: NZ perspectives</b>		<b>New Zealand</b>	<b>8:30 – 8:55</b>
	S701-IWA-4583	Neft A., Nobis R., Minke R., Steinmetz H.	Evaluation of an applicable extraction method for the determination of bioavailable phosphorus		Germany	9:00 – 9:20
	S702-IWA-4669	Martins G., Ribeiro D.C., Terada A., Henriques I., Peixoto L., Bodelier P.L., Correia A., Cruz J.V., Parpot P., Brito A.G., Smets B.F., Nogueira R.	Eutrophication-threatened aquatic ecosystems: sediment biogeochemical processes towards nutrients control		Portugal	9:20 – 9:40
	S703-IWA-4721	Su J., van Bochove E., Thériault G., Auclair J.C.	Phosphorus Bioavailability in Bed and Suspended Sediments in an Agricultural Intensive Catchment		Canada	9:40 – 10:00
	S704-IWA-5149	Benoy G., Culp J., Sutherland A., Brua B., Chambers P.	Environmental targets for suspended and deposited sediments in streams of the Atlantic Maritimes potato belt		Canada	10:00 – 10:20
	Coffee Break					10:20 – 10:45
	<i>Session Chair and Co-chair: Dr. Jim Cooke and Dr. Julie Corriveau</i>				New Zealand & Canada	
	S705-IWA-4762	Bravo-Inclan L.A., Olvera-Viascán V., Sánchez-Chávez J., Saldaña-Fabela P., Tomasini-Ortiz C.	Trophic state assessment in warm-water tropical lakes and reservoirs of the central region of Mexico		Mexico	10:45 – 11:05
S706-IWA-4645	Khazaali M.	Processes controlling the concentrations of dissolved organic and inorganic nitrogen (DON and DIN) in large watersheds. Are winter and summer months processes affecting the concentrations of the DON and DON in the streams and lakes differently?		Canada	11:05 – 11:25	
S707-IWA-4563	Vinten A.	How effective is the implementation of controls on diffuse pollution under the Water Framework		United Kingdom	11:25 – 11:45	
S708-IWA-4632	Thaler S., Zessner M., Ruzicka K., Mayr M.M., Kroiss H.	Nitrogen efficiency of food production in Austria		Austria	11:45 – 12:05	

Thematic Session 8		Integrated watershed management		September 15th, 2010		
<b>Room: Les Chutes</b>						
<b>WEDNESDAY</b>	Authors	Titles		Country	8:30 - 12:05 AM	
	<i>Session Chair and Co-chair: Prof. Alain N. Rousseau and Prof. Sung Ryon Ha</i>				Canada & Korea	
	<b>Keynote speaker</b> <b>S800-IWA-5168</b>	<b>Prof. Victor Shiholo Muhandiki</b>	<b>Managing Lakes and their Basins for Sustainable Use: Biophysical Characteristics of Lakes</b>		<b>Japan</b>	<b>8:30 – 8:55</b>
	S801-IWA-4677	Choi J.-Y. and Hwang D.-H.	Determining Control Areas for Nonpoint Pollution Sources		Korea	9:00 – 9:20
	S802-IWA-4689	Earle R., Blacklocke S., Bruen M., Keating D.	Integrating the Implementation of the European Union Water Framework Directive and Floods Directive in Ireland		USA	9:20 – 9:40
	S803-IWA-4641	Watson N.M., Waterton C., Tsouvalis J., Maberly S., Norton L.	Developing a Community-based Approach to Diffuse Pollution Control in the Loweswater Catchment (UK)		United Kingdom	9:40 – 10:00
	S804-IWA-4658	Davies-Colley R.J. and Ballantine D.	Suitability of NZ rivers for contact recreation: application of a water quality index		New Zealand	10:00 – 10:20
	Coffee Break					10:20 – 10:45
	<i>Session Chair and Co-chair: Prof. Chengqing Yin and Dr. Ralph Heath</i>				China & South Africa	
	S805-IWA-4612	Akimoto S., Hisaoka N., Nakazono T., Minamiyama M., Suzuki Y.	Characteristics of Pollution Load in a Polluted Lake Basin Taking into Account Rain Fall		Japan	10:45 – 11:05
S806-IWA-4545	Liu Y., Yang W., and Ou C.	An Interface Prototype for Assessment of Multiple BMPs' Scenarios at Watershed Scale		Canada	11:05 – 11:25	
S807-IWA-4547	Tanik A., Ozalp D. and Seker D.Z.	Identification and Control of Diffuse Pollutants arising from the Eastern Black Sea Watershed of Turkey		Turkey	11:25 – 11:45	
S808-IWA-4673	Wirojanagud W., Weerasisri T. and Srisatit T.	Arsenic Dispersion in Soil and Water Environment of Gold Mining Thailand		Thailand	11:45 – 12:05	

Room: Jean-Larose

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Authors	Titles	Country	8:30 - 12:05 AM
<i>Session Chair and Co-chair: Dr. Jiri Marsalek and Dr. Zorica Todorovic</i>		<i>Canada &amp; UK</i>	
<b>Keynote speaker</b> <b>S900-IWA-5165</b> <b>Mr. Dov Weitman</b>	<b>Regulatory and Voluntary Programs to Control Nonpoint Source Pollution in the United States</b>	<b>USA</b>	<b>8:30 – 8:55</b>
S901-IWA-4679 Birch H., Mikkelsen P.S., Jensen J.K., Lützhøft H.C.H.	Xenobiotics in Stormwater and Combined Sewer Overflows	Denmark	9:00 – 9:20
S902-IWA-4704 Woo C.K., Ahn K.H. and Song K.	A comprehensive analysis of storm water pollutants generation from urban roadway in Korea	Korea	9:20 – 9:40
S903-IWA-4591 Madoux-Humery A.S., Sauvé S., Dorner S., Galarneau M., Prévost M.	Monitoring Pharmaceutical and Microbiological Contaminants in Urban Waters	Canada	9:40 – 10:00
S904-IWA-4660 Ju D.J., Lee S.D., Yoon Y.S., Lee J.K., Shin H.S., Lee T.H.	Pollutants Runoff Characteristics on Various Stormwater Events in Industrial Complex	Korea	10:00 – 10:20
Coffee Break			
<i>Session Chair and Co-chair: Dr. Mi-Hyun Park and Prof. Takanobu Inoue</i>		<i>USA &amp; Japan</i>	
S905-IWA-4595 Lützhøft H.C.H., De Keyser W., Benedetti L., Raggatt L., Mikkelsen P.S., Eriksson E.	Emission Control Strategies for Urban Micropollutants	Denmark	10:45 – 11:05
S906-IWA-4487 Garcia-Flores E., Espinoza-Gomez H., Rodriguez-Ventura G., Wakida F.T.	PAH concentration in suspended solids of urban stormwater runoff in Tijuana, Mexico	Mexico	11:05 – 11:25
S907-IWA-4748 Schipper P.	Emissions Emerging Substances To Surface Water. Source Identification, Loads, Derivation Emission Factors and Validation	Netherlands	11:25 – 11:45
S908-IWA-4569 Yin C., Zhang X., Shan B., Sun J.	Planning of Rainwater Management and Diffuse Pollution Control in Binhai Industrial Estate, China	China	11:45 – 12:05