Nordic Water 2012 – Program

April		MONDAY, AUGUST 13, 2012				TUESDAY AUGUST 14, 2012			WEDNESDAY AUGUST 15, 2012			
Part		Registration	re Hall IT116			Registration			Registration			8:
Part		Chair: Prof. Kari Laine, Thule Institute, University of Oulu Vice-Rector Olli Silvén, University of Oulu Prof. Björn Klöve, Chair of NHC2012 Scientific Committee, University of Oulu DTech Riitta Kamula, Chair of NHF, Thule Institute							9:00-10:30 Room IT138			9
						9:00-9:30 Cintia Bertacchi Uvo			· · · · · · · · · · · · · · · · · · ·			9
Part		Keynote Session 9:45-10:30, Lectur	e Hall IT116						(with coffee serving			10
Page		Aaron Packman										
Part	10:30					, , , , , , , , , , , , , , , , , , , ,			Keynote Session, IT11610:30-11:00			10:30-1
Part		10:30-11:00	COFFEE, Lobby, Environmen	COFFEE, Lobby, Environmental Sciences Building			10:30-11:00 COFFEE, Lobby, E					
Mathematical Property of the Company of the Compa		CROUNDWATER	CEDIMENT FILINGS	CUMATE AND HYDROLOGY	CUMATE AND HYDROLOGY	CROUNDWATER	CEDIMENT AND AUTDIENT FLUVES	HDDAN HINDDOLOGY	Environmental modeling			4
Part		Chair: Dirk-Ingmar Müller-Wohlfeil	Chair: Nils-Otto Kitterød	Chair: Dan Rosbjerg	Chair: Dan Rosbjerg	Chair: Björn Klöve	Chair: Anna-Kaisa Ronkanen	Chair: TBC	Chair: Kirsti Korkka-Niemi	Chair: Jari Koskiaho	Chair: Manfred Stähli	
The content of the	11:00	Methods to identify groundwater interaction with river water in the catchment of the River Vantaa, southern Finland; Anna-Liisa Kivimäki, Kirsti Korkka-Niemi, Anne Rautio, Kirsti Lahti,	Modelling water flow and soil erosion in clayey, subsurface drained agricultural fields with FLUSH model; Lassi Warsta, Tuomo Karvonen, Harri Koivusalo, Maija Paasonen-Kivekäs, Antti	Climate Change in a Part of Northern Europe in the Context of the Spatial Differences of the Contemporary Climate; Daiga Cepite-Frisfelde, Tija Sile, Uldis Bethers, Juris Sennikovs and	Climate Change in a Part of Northern Europe in the Context of the Spatial Differences of the Contemporary Climate; Daiga Cepīte-Frišfelde, Tija Sīle, Uldis Bethers, Juris Seŋṇikovs and	Impacts of climate change on groundwater resources in Hanko coastal aquifer, south Finland; Samrit Luoma, Birgitta Backman and	Demonstration of web based map service to integrate data and models for participatory river basin management; Oill Malve, Anita Etholen, Sanna Helttunen, Tuomo Kauranne, Matti Lindholm, Heikki Mäkinen, Timo Pyhälahti, Pasi Roti, Matti Silvennoinen, Vincent Westberg and	New heavy rain distributions and climate change modelling in urban areas; J. Silander, J.	Impact of the climate changes to shallow groundwater in Baltic artesian basin; Didzis Lauva, Peteris Bethers, Andrejs Timuhins and	Where in a river catchment are restoration efforts most effective? Anna L. Dietrich, Christer	Impacts of climate variability and change on snow accumulation and melt in Kajaani, Finland; Masoud Irannezhad, Anna-Kaisa Ronkanen and	1
## Proposed Company of the Company o		to nonuniform groundwater discharge in a Danish lowland stream; Karthikeyan Matheswaran, Morten Blemmer, Paul Thorn, Dan Rosbjerg and Eva Boegh	drainage methods in a clayey agricultural field; Mika Turunen, Lassi Warsta, Harri Koivusalo, Jyrki Nurminen, Maija Paasonen-Kivekäs, Helena Äjiö, Merja Myllys, Laura Alakukku and Markku Puustinen	Rivers - In search for Decadal Oscillations and the Relation to Known Climate Patterns; Angelica Lidén, Karin Persson, Kean Foster and Cintia B. Uvo	Rivers - In search for Decadal Oscillations and the Relation to Known Climate Patterns; Angelica Lidén, Karin Persson, Kean Foster and Cintia B. Uvo	budget in Rokua esker aquifer, Finland; Pertti Ala-aho and Bjørn Kløve	Sediment deposition in the floodplain areas of the Nemunas watershed and its influence on the sedimentation in the Curonian Lagoon; Saulius Vaikasas and Alfonsas Rimkus	vegetation of urban river valley in a perspective of its rehabilitation plan; Marcin Kiedrzyński, Edyta Kiedrzyńska, Piotr Witosławski and Józef K. Kurowski	south west Latvia; Valdis Vircavs, Arturs Veinbergs, Didzis Lauva, Kaspars Abramenko, Zane Dimanta, Ilva Vîtola and Agnese Gailuma	low anthropogenic nutrient input; Jaime G. Cuevas, Christian Little, César Leiva, Leandro Paulino and José Dörner	from land surface information; Ulrich Haberl and Hans-Peter Nachtnebel	11
Section of the property of the		groundwater outflows from porous deposits on Polish Plain, western Poland; Anna Szczucinska	environmental channels: Experimental investigations with natural vegetation; Kaisa	represented by EC-EARTH in past and future climates; K Foster, O Siergieieva, D Correl and	represented by EC-EARTH in past and future climates; K Foster, O Siergieieva, D Correl and	in monitoring artificial groundwater recharge: Virttaankangas aquifer in SW Finland; Nina	nutrient flux and erosion - five years' on-line measurements in a small agricultural river;	change and urbanization on storm water quality in northern Sweden; Matthias Borris, Maria Viklander, Camilla Westerlund, and Anna-Maria	indicator for predicting landslides in Norway;	Activities, results and experience; Zenonas	Analysis of the Energy and Mass Balance Method; Shahab Moghadas, Camilla Westerlund, Anna-Maria Gustafsson and Maria	1
Water Control Contro		vegetation; Lenka Kuglerova and Roland Jansson	hillslopes in hydrological watersheds; Hafzullah	Latvia; Elga Apsite, Andrejs Zubanics, Didzis Elfer	Latvia; Elga Apsite, Andrejs Zubanics, Didzis Elfer	measures in the Finnish water industry; Jari	bioretention cells; Nils-Otto Kitterød, Kim	from Urban Area Subcatchments; Tiit Koppel, Madis Maddison, Anatoli Vassiljev, Janek	resources in delta areas: the fresh maker and fresh keeper; Klaasjan J. Raat, Gertjan Zwolsman, Ate T. Oosterhof and Jan Willem	loading and cost-effectiveness of constructed wetlands and chemical amendments; Jari Koskiaho, Markku Puustinen and Kauko	research stations; Elise Trondsen and Heidi	1:
Part of Section 1985 Content of Section		aquifer-peatland interactions. A case study from the Lanoraie Peatland complex Quebec, Canada; Bourgault Marc-André, Larocque Marie and Martin Roy	sediment in a mixed land use Swedish catchment; Martyn Futter, Stefan Hellgren and	ecaluauation of RCMs; Arun Rana, Shilpy Madan and Lars Bengtsson	ecaluauation of RCMs; Arun Rana, Shilpy Madan and Lars Bengtsson	the support of groundwater management – a case study of a Finnish esker; Timo P. Karjalainen, Pekka Rossi, Pertti Ala-aho, Riku Eskelinen, Kalle Reinikainen and Bjørn Kløve	Directive 2000/60/EC (WFD) in Lithuania: how	mixed urban catchments; Helen Galfi, Camilla Westerlund, Gilbert Svensson and Maria	the Curonian Lagoon; Jurate Kriauciuniene and Darius Jakimavicius	nutrient loading in Finland; Katri Rankinen, Petri Ekholm, Hannu Rita, Heidi Sjöblom, Ljudmila	semi-arid environments: case study Northern Mongolia; Lucas Menzel, Benjamin Kopp and Stefanie Minderlein	1
Matter and the property of the		problem for the Tahtali watershed (Izmir- Turkey) using linked simulation-optimization models; M. Tamer Ayvaz and Alper Elçi	Estimation of Suspended Sediment Load; Vahid Nourani, Aida Hosseini Baghanam and Elnaz Sharghi	Orvomaa and Risto Mäkinen		supply: International and Finnish experiences;	discharge; an example for a small agricultural catchment in Norway; Johannes Deelstra	:	Hyporheic processes of a regulated river; Dmytro Siergieiev, Anders Widerlund and Angela Lundberg	agricultural drainage in dairy farming watershed; Tadao Yamamoto, Takashi Inoue and Tetuaki Nagasawa	Finnish lakes – environmental factors and ecological evidences; Seppo Hellsten, Teemu Ulvi, Mika Visuri and Antton Keto	1
Second Prince Second Princ	12:30	GROUNDWATER PRECIPITATION & WATER BALANCE PEATLANDS & FORESTS RIVER PROCESSES AND CLIMATE CHANGE			Transfer to Restaurant Lasarett	1		<u> </u>		12		
Part												
Second control of the control of t	13:30	groundwater fluctuations under different aquifer characteristics; Artūrs Veinbergs, Didzis Lauva, Valdis Vircavs, Kaspars Abramenko, Zane		as water protection method in peatland forestry? Hannu Marttila, Kari-Matti Vuori,	combined field observation and simulation				precipitation variability in Indian region derived from TRMM, WFD and rain gauge dataset; Lu Li,	monitoring using modern data collection systems; J. Silander, T. Toivanen and M.	the water harvest - using a modified physical based model at a catchment scale; M.	1:
service configuration of in an in-displaced and only only only only only only only only	13:45	Isotopic tracers and microbial life at an artificial recharge plant in Southern Finland; Paula Niinikoski, Johanna Ojala, Nina Kortelainen and	model and its application in Rio Grande basin,	and Fe release from restored peatland forests; Mika Nieminen, Annu Kaila, Sakari Sarkkola, Zaki					extremes in RCM simulations over Europe evaluated by the region-of-influence method; Jan Kysely, Ladislav Gaal and Romana Beranova	Norwegian rivers – trends, patterns and lessons learnt; Eva Skarbøvik, Per Stålnacke, Øyvind		1
Secretary of the control of the cont		properties on pathogen transport in an esker aquifer – A column study; Backnäs, S., Kauppinen, A., Hyvärinen, N., Pitkänen, T., Hokajärvi, A-M. and Miettinen, I.T.	distributed hydrological model using sub-grid scale parameterization of elevation data; Hannu Lauri , Timo Räsänen and Matti Kummu	spring invertebrate communities; Jari Ilmonen, Risto Virtanen, Lauri Paasivirta and Timo Muotka	harnessed river – a case study of the River	GUIDED WALKING TOUR IN THE CITY PARK			resolution RCM simulations over Sweden; Jonas Olsson, Anna-Maria Gustafsson and Magnus Persson	Solute Transport; Martyn Futter, Dan Butterfield, Øyvind Kaste, Jostein Starrfelt, Martin Erlandsson and Andrew Wade	arid climates due to land and water use pressures; Pouyan Keshtkaran, Ali Torabi Haghighi and Bjørn Kløve	1
MINIMAN FAMILIA & NATIOR & ADVITE SEARCHS OUT OF SE		Remediation of contaminated groundwater in Nordic conditions; Sirkku Tuominen and Taina Nystén	series on Hurbanovo station (Slovakia) during 18722011; Dana Halmova, Pavla Pekarova, Juraj Olbrimek and Pavol Miklanek	Tolvanen					the precipitation regime in the Jordan River region; Tobias Törnros and Lucas Menzel	transport of micropollutants along the river continuum; Magdalena Urbaniak, Edyta Kiedrzyńska and Maciej Zalewski	catchment; Līga Kurpniece, Inese Latkovska and Elga Apsīte	1
Lichter Half T112 Column Half T122 Column Half T123 Column Half	14:30	NUTRIENT FLUXES & WATER PROTECTION	COLD CLIMATE HYDROLOGY	PEATLANDS AND FORESTS				PRECIPITATION & WATER BALANCE	WATER QUALITY MONITORING	FLOODS & DROUGHTS	14	
s the belasted new confinence and inverse all purposes and process of the post	15.00	Lecture Hall IT116	Lecture Hall IT115	Lecture Hall IT113	Lecture Hall IT112	-			Lecture Hall IT116	Lecture Hall IT115	Lecture Hall IT113	1
Livin Authories Produces and Formation State (Fifter, 1987). Report Produces and Formation and surface Perception of the Control Production of the C		in the lowland river catchment and river self- purification potential in river continuum; Edyta Kiedrzyńska, Magdalena Urbaniak, Marcin Kiedrzyński and Maciej Zalewski	Pekka Hänninen, Juha Majaniemi and Raimo Sutinen	Baltic Sea between 1975 and 2010; Antti Räike, Pirkko Kortelainen, Tuija Mattsson, and David N. Thomas	and hydropower production in the Swiss Alps; Manfred Stähli, Mélanie Raymond-Pralong, Massimiliano Zappa, Frank Paul, Thomas Bosshard and Christian Dupraz	located next to the Oulu city centre. The Park features hydrological interests such as old water powerhouses, small brooks and creeks with scenic white wooden bridges, and a fishway built not only for fish migration but also to decrease detention time in the pool below. The Park		different instruments and measurement reliability; Helmi Saidi, Marzia Ciampittiello, Claudia Dresti and Laura Turconi	catchment; Katri Siimes and Harri Koivusalo	3 weirs in Geum river in South Korea; Jaekyoung Noh, Jaenam Lee and Young Dae Cho		
15.00 Few design of phosphonis filters; ligal Herman, Full Journal, Saffard intensity analysis in Central Financial, American Ame		Ca-Fe oxide granules; Egle Saaremäe, Martin	in Latvian river basins and regional peculiarities; Inese Latkovska, Elga Apsīte, Didzis Elferts, Līga	boreal river draining peatlands and sulfide- bearing soil materials; Saukkoriipi, J., Martimäki, K., Marttila, H., Heikkinen, K., Tammela, S., Tertsunen, J., Tolkkinen, M., Ihme,	river basin, Lithuania: modelling scenario			Watersheds by Using Geomorphologic Method; Reza Mohammadpour, Touraj Sabzevar and Ali	metasediments, N. Sweden; Gunnar Jacks, Magnus Mörth, Zdenka Slejkovec and Elin	Optimal Flood Operation Model on the Real- Time Flood Control of the Tseng-Wen Reservoir;	1	
Note lined from the Cartchment scale inorganic Natural Expision And Anti-Lepsito Cicological recycling agriculture can reduce antirogen losses — model results from two Finnish cartchments; Kirsti Granlund, Karti Rankinen, Randall Etheridge and Pertiti Seuri Cicological reception agriculture can reduce and Kint Lepsiton from two Finnish cartchments; Kirsti Granlund, Karti Rankinen, Kirsti Granlund, Rankinen, R	5:30	Herrmann, Amir Jourak, Staffan Lundström,		Intensive biomass harvesting - leaching of nutrients and hydrological processes; Eero	Estonian rivers; Alvina Reihan Elina Neemre and				Torabi Haghighi, Meseret Menberu, Hannu	in Aqueous Environment; Giorgio Lanzani, Tiina Leiviskä, Ari P. Seitsonen, Carole A. Morrison, Jaakko Rämö, Kari Laasonen and Simo O.		:
nitrogen losses – model results from two Finnish catchments, kirsti Granuluni, katri Rankinen, Randall Etheridge and Pentti Seuri 5:15 Valuation of nitrogen retention as an ecosystem service at catchment scale; Katri Rankinen, Kirsti Granuluni, Randall Etheridge and Pentti Seuri 5:16 Sing Session, Lecture Hall IT16 5:17 Valuation of nitrogen retention as an ecosystem service at catchment scale; Katri Rankinen, Kirsti Granuluni, Randall Etheridge and Pentti Seuri 5:18 Valuation of nitrogen retention as an ecosystem service at catchment scale; Katri Rankinen, Kirsti Granuluni, Randall Etheridge and Pentti Seuri 6:19 Sing Session, Lecture Hall IT16 5:10 Sing Session, Lecture Hall IT16 5:10 Sing Session, Lecture Hall IT16 5:10 Sing Session, Lecture Hall IT16 5:11 Service Hall IT16 5:12 Sing Session, Lecture Hall IT16 5:13 Sing Session, Lecture Hall IT16 5:14 Sing Session, Lecture Hall IT16 5:15 Sing Session, Lecture Hall IT16 5:15 Sing Session, Lecture Hall IT16 5:16 Sing Session, Lecture Hall IT16 5:17 Sing Session, Lecture Hall IT16 5:18 Sing Session, Lecture Hall IT16 5:19 Sing Session, Lecture Hall IT16 5:19 Sing Session, Lecture Hall IT16 5:10 Sing Session Hall IT16 5:10 Sing		loading model WSFS-VEMALA-N; Inese Huttunen, Markus Huttunen, Bertel Vehviläinen and Ahti Lepistö	Matti Leppäranta	peat soils on the watershed scale; Anatoli Vassiljev	environment; Saulius Vaikasas, Virginija Pliuraite and Nijole Bastiene							
service at catchment scale; katri Rankinen, Kirsti Granlund, Randall Etheridge and Pentti Seuri Wetterhall, Nits Sundström4, Jesper Ahlberg and Angela Lundberg 16:30 16:30-18:00 POSTER SESSION, Lobby, Environmental Sciences Building 16:30-18:00 Measurements of snow water equivalent forms of peatland use and estimating ecological impacts in stream communities; Mika L Nieminen, Emmanuela Daza Secco and Kristian Meissner Michael Puffer and Aki Maki-Petäys Michael Puffer and Aki Maki-Petäys 16:30-18:00 POSTER SESSION, Lobby, Environmental Sciences Building		nitrogen losses – model results from two Finnish catchments; Kirsti Granlund, Katri Rankinen, Randall Etheridge and Pentti Seuri	implications for infrastructure in rivers and lakes; Solomon B. Gebre and Knut T. Alfredsen	harvesting on the nitrate leaching from two spruce stands in southern Finland; Antti-Jussi Lindroos, Pekka Tamminen and Hannu Ilvesniemi	Oulujoki, northern Baltic Sea; Panu Orell, Aki Mäki-Petäys, Jaakko Erkinaro and Petri Karppinen							
	16:15	service at catchment scale; Katri Rankinen, Kirsti	measurements of snow water equivalent and seasonal weather forecasts for improved snow melt runoff predictions; David Gustafsson, Fredrik Wetterhall, Nils Sundström4, Jesper	discriminating different forms of peatland use and estimating ecological impacts in stream communities; Mika L. Nieminen, Emmanuela	salmon and competition between young Atlantic salmon and brown trout under peaking flows; Teppo Vehanen, Ari Huusko, Ole Berg,							:
9.00- WELCOME RECEPTION, Oulu City Hall CONFERENCE DINNER, Reatti Youth Center	16:30	16:30-18:00	POSTER SESSION, Lobby, Env	rironmental Sciences Building								16:30-
TOTAL CONTRACT CONTRA	10 00-	WELCOME RECEPTION, Oulu City Hall				CONFERENCE DINNER, Raatti Youth Center			1			19