



The 7th International Conference on Water Resources and Environment Research (ICWRER2016)

Kyoto TERRSA, Kyoto, Japan, June 5-9, 2016

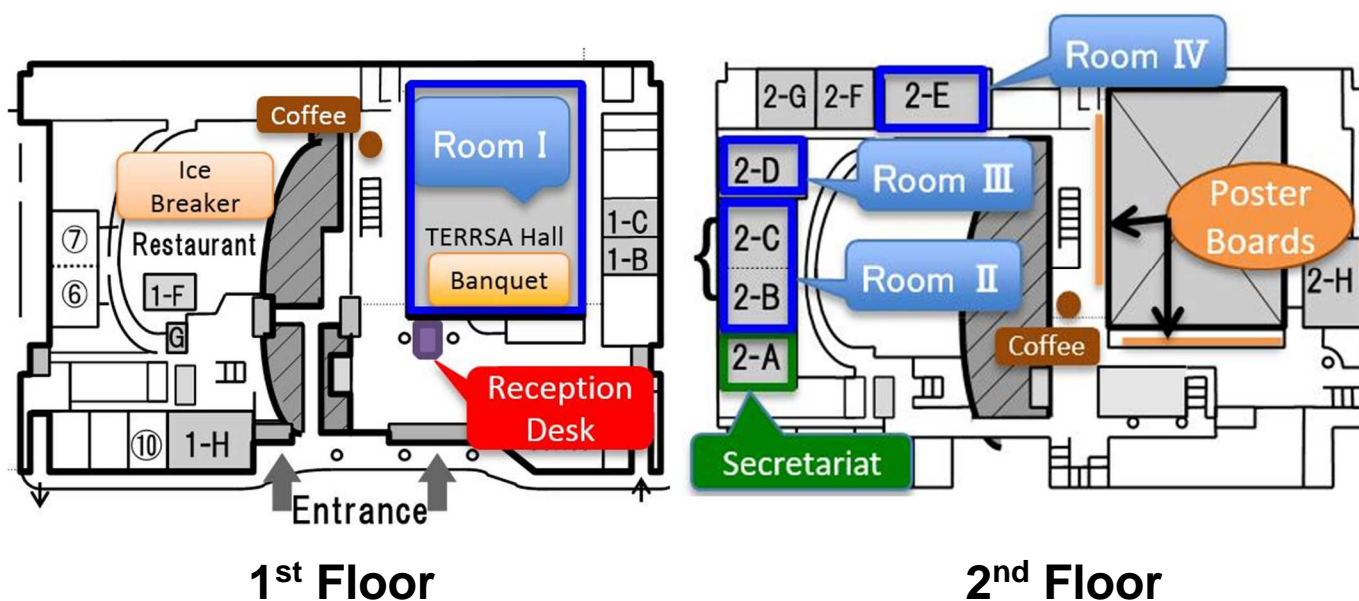
ICWRER2016 Conference Program Overview

	June 5 (Sun)	June 6 (Mon)	June 7 (Tue)	June 8 (Wed)	June 9 (Thu)
9:00	Arrival	Registration	Keynote 2 Prof. Hubert Savenije	Keynote 4 Prof. G. Mathias Kondolf	Technical Tour
10:00		Opening	Keynote 3 Prof. Toshio Koike	Coffee Break	
11:00		Keynote 1 Prof. Eiichi Nakakita	Coffee Break	AM Oral Session S02, G01, G05, G10	
12:00		Lunch	AM Oral Session S02, UNESCO	Lunch	
13:00		Poster Session (odd number core time)	Lunch	PM1 Oral Session S03, G01, G04, G11&G12	
14:00		PM1 Oral Session S01, S07, G02, G14	Poster Session (even number core time)	Coffee Break	
15:00		Registration	Coffee Break	PM2 Oral Session S11, G06, G13	
16:00	Welcome Icebreaker	PM2 Oral Session S01, S06, G02, G14	Coffee Break		
17:00			PM2 Oral Session S02, S10, G03, G09	Closing	
18:00				Banquet	
19:00					

ICWRER2016 Session & Room Information

		Room I	Room II	Room III	Room IV
June 6 (Mon)	K1	Keynote 1 Prof. Eiichi Nakakita			
	PM1	S01: Climate Change Impacts on Natural Hazards (1)	S07: Optimum Management of Water Resources and Environmental Systems	G02: GIS and Remote Sensing in Hydrology and Water Resources (1)	G14: Sustainable Water Resources Management (1)
	PM2	S01: Climate Change Impacts on Natural Hazards (2)	S06: Isotope Hydrology	G02: GIS and Remote Sensing in Hydrology and Water Resources (2)	G14: Sustainable Water Resources Management (2)
June 7 (Tue)	K2	Keynote 2 Prof. Hubert Savenije			
	K3	Keynote 3 Prof. Toshio Koike			
	AM	S02: Climate Change Impacts on Water Resources (1)	UNESCO Session		
	PM1	S02: Climate Change Impacts on Water Resources (2)	S05: Conflict Resolution in Water Resources and Environmental Governance	G07: Integrated Sediment and Ecosystem Management	G08: Water and Environment Management in Urban Areas
	PM2	S02: Climate Change Impacts on Water Resources (3)	S10: Water Security: Governance and Risk Management	G03: Surface Water and Ground Water Interaction	G09: Eco-Hydraulics/ Eco-Hydrology for Water Sustainability
June 8 (Wed)	K4	Keynote 4 Prof. G. Mathias Kondolf			
	AM	S02: Climate Change Impacts on Water Resources (4)	G01: Hydrometeorological Extreme Events (1)	G05: Water-Related Disasters	G10: Risk Analysis and Management
	PM1	S03: Climate Change Impacts on Ecosystem and Biodiversity	G01: Hydrometeorological Extreme Events (2)	G04: Real-Time Hydrometeorological Forecasting	G11: Legislation Systems for Water Management G12: Water Diplomacy
	PM2		S11: Dam Safety	G06: Environmental Management Enhancing Ecosystem Services	G13: Social and Economic Aspects in Water Resources

KYOTO TERRSA Floor Map



Oral Session Program

June 6 (Mon) PM1

	Room I		Room II	
	S01 Climate Change Impacts on Natural Hazards (1) Chair: Eilchi Nakakita		S07 Optimum Management of Water Resources and Environmental Systems Chair: Graeme Dandy	
14:00-14:15	S01-01 Tetsuya Takemi	Assessment of Natural Hazards due to a Category-5 Extreme Typhoon Under Global Warming by Dynamical Downscaling Experiments	S07-01 Graeme Clyde Dandy	Use of Multi-Objective Optimization to Aid in Selecting the Optimal Mix of Water Sources for a Major City
14:15-14:30	S01-02 Yasuko Okada	Future Changes in the Summer Mean Precipitation Variation and Extreme Precipitation Frequency Under Global Warming	S07-02 Moeka Tokutsu	A Monte Carlo-based Method to Analyze Effectiveness of Reservoir Operation for Water Supply Considering Imperfect Ensemble Inflow Prediction
14:30-14:45	S01-03 Chingnuo Chen	Impact of Climate Change on Inundation Risk in a Land Subsidence Area	S07-03 Xin Jiang	Drinking Water Reservoir Management: New Challenges, New Agendas
14:45-15:00	S01-04 Chavalit Chaleeraktragoon	Impact of Climate Change on Urban Rainfall Extremes	S07-04 Lankmalihelayaye Damitha Abeynayaka	An Eco-friendly Method for Controlling Cyanobacterial Blooms in Lakes and Reservoirs
15:00-15:15	S01-05 Tomohiro Tanaka	Estimation of Flood Peak Discharge with Large Return Period	S07-05 Berit Arheimer	Modelling of a Remedial Measures vs Water Quality Goals in a Semi-Enclosed Swedish Bay
15:15-15:30	S01-06 Yusuke Yamazaki	Estimation of Extreme Rainfall and Flood Inundation Probabilities of Chao Phraya River Basin Using MRI-AGCM3.2S Projections	S07-06 Graeme Clyde Dandy	Decision Support Framework to Optimize Flood Mitigation Measures
15:30-15:45	S01-07 Youngjoo Kwak	Global Flood Exposure Assessment under Climate and Socio-economic Scenarios for Disaster Risk Reduction	S07-07 Beauty Shamboko-Mbale	Climate Change Adaptation Through Strengthening Early Warning System in Its Hydrometric Network: A Case Study of Zambia
15:45-16:00	S01-08 Duong Ngoc Vo	Future Flood Potential Risk in Vu Gia Thu Bon Catchment, Vietnam.	S07-08 Saikat Ray Sinha	Performance Evaluation and Recovery of Polypropylene Glycol (PPG-725) as Draw Solute in Forward Osmosis Process

Oral Session Program

June 6 (Mon) PM1

	Room III		Room IV	
	G02 GIS and Remote Sensing in Hydrology and Water Resources (1) Chair: Haruya Tanakamaru		G14 Sustainable Water Resources Management (1) Chair: Guillermo Q. Tabios III	
14:00-14:15	G02-01 Aditi Bhadra	Temporal Variation in Dry and Wet Snow Cover for Nuranang Catchment of Arunachal Pradesh, India	G14-01 Tsugihiko Watanabe	Control of the Area of Rice Cultivation for Sustainable Water Resources Management and Agricultural Production
14:15-14:30	G02-02 Arnab Bandyopadhyay	Validation of Broadband Snow Albedo Derived from AWIFS for Eastern Himalaya	G14-02 Guillermo Quesada Tabios III	Multipurpose, Single High Dam versus Multiple Dam System for Balog-Balog Irrigation Project in the Philippines
14:30-14:45	G02-03 Ponthip Limlahapun	An Approach to SAR Imagery Detection	G14-03 Archana Sarkar	Runoff Simulation for a Transboundry Eastern Himalayan Basin: Comparison of Modelling Approaches
14:45-15:00	G02-04 Ai Sugiura	A GIS Based Approach for Soil Textural Mapping with Limited Local Data Sets: An Application to Upper Indus Basin in Pakistan	G14-04 Prem Rangsiwanichpong	Assessment of Flood and Drought Using Ocean Indices in the Chao Phraya River Basin, Thailand
15:00-15:15	G02-05 Keigo Arakawa	Detection of Thresholds of MODIS Water Indices for Flood Damage by Land Use Types	G14-05 Makoto Kurahashi	The Asset Management Measures for Dam Reservoir Group in the Same River Basin
15:15-15:30	G02-06 Mashrekur Rahman	Landsat ETM+ for Assessing Temporal Variation of Suspended Sediment Concentration in the Padma River	G14-06 Ya Sun	Groundwater Quality Investigation and Analysis in Wanghe Underground Reservoir Area
15:30-15:45	G02-07 Peng Deng	Impact of Grid Resolution on Flow Routing Model Based on Large-scale Runoff	G14-07 Mohd Nordin Adlan	Removal of E.Coli and Turbidity Using Riverbank Filtration Technique for Riverside Alluvial Soil in Malaysia
15:45-16:00	G02-08 Haruya Tanakamaru	Performance Evaluation of Spate Irrigation Using Remote Sensing and DEM	G14-08 Yen-Peng Ting	Effect of Nanoparticles on Biological Municipal Wastewater Treatment and Their Removal

Oral Session Program

June 6 (Mon) PM2

	Room I		Room II	
	S01 Climate Change Impacts on Natural Hazards (2) Chair: Nobuhito Mori		S06 Isotope Hydrology Chair: Yuliya Vystavna	
16:30-16:45	S01-09 Makoto Tani	Why are Runoff Responses Simple Regardless of Process Heterogeneities? - to Obtain Robust Predictions for Extreme Storm Events Under Climate Change -	S06-01 Yuliya Vystavna	Describing Stable Water Isotopes Framework for the Surface Water, Groundwater and Precipitation in East Ukraine
16:45-17:00	S01-10 Akira Hasegawa	Meteorological Hazards of Droughts and Floods in Climate Projections by the Time-Slice Experiments with MRI-AGCM3.2 Using the Comparative SPI	S06-02 Muhammad Izzuddin Syakir	Isotopic Fingerprint of $\delta^{18}\text{O}$ and $\delta^2\text{H}$ in Tropical Precipitation: A Complementary to Flood Forensic Study in Kelantan
17:00-17:15	S01-11 Berit Arheimer	Climate Impact on Floods: Changes in High Flows in Sweden in the Past and the Future (1911-2100)	S06-03 Maksym A Gusyev	Groundwater Availability Assessment Using Tritium River Water Measurements for Existing Dam Infrastructure in the Ishikari River Basin, Japan
17:15-17:30	S01-12 Nobuhito Mori	Impact Assessment of Coastal Hazards due to Climate Change	S06-04 Reinhardt E. Pinzón	An Application of Sodium Pertechnetate ($\text{Na}^{99\text{mTcO}_4^-$) for a Better Understanding of Radiotracers Technology
17:30-17:45	S01-13 Phenpraphai Phuthong	Coastal Inundation Assessment: A Case Study of the Sathing-Phra Peninsula, Thailand	S06-05 Halda Aditya Belgaman	Characteristics of Precipitation Isotope Pattern in Indonesia
17:45-18:00	S01-14 Xinyu Jiang	Assessment of Storm Surge Inundation Risk due to Climate Change: A Case Study of Ise Bay, Japan		

Oral Session Program

June 6 (Mon) PM2

	Room III		Room IV	
	G02 GIS and Remote Sensing in Hydrology and Water Resources (2) Chair: Yoshiya Touge		G14 Sustainable Water Resources Management (2) Chair: Sameh Kantoush	
16:30-16:45	G02-09 Mustafa Joyan	Study on Relationship Between Urbanization, Greenery and Water Index in Kabul City by GIS and Remote Sensing.	G14-09 Mikiko Sugiura	Sustainable Water Resources Management by Water Users Associations in Japan
16:45-17:00	G02-10 Yanzhao Fu	Downscaling of Remote Sensing Chlorophyll-a in the East of the Laizhou Bay, China	G14-10 Nuong Thi Bui	Sustainability Assessment of Groundwater Abstraction in Hanoi, Vietnam
17:00-17:15	G02-11 JiaNing Wang	Study on Mapping Width/Depth Ratio to Rivers According to River Landscape in Yamaguchi Prefecture	G14-11 Ai Sugiura	Sustainability Transformation Across the Region Introduction to Sustainability Science Pilots Project Implementation in Asia-Pacific
17:15-17:30	G02-12 Naufal Rospriandana	Estimating the Small Hydropower Potential Using Hydro-geospatial Analysis, and Measuring Economic and Environmental Impacts Case Study: Upper Citarum Watershed, Indonesia	G14-12 Nikodemus Leomiro	Impact of Aquaculture Activities on Water Status: How Much Can We Manage Lake?
17:30-17:45	G02-13 Aysultan Mamateli	Multi Satellites Monitoring of Land Use/Cover Change and its Driving Forces in Kashgar Region, China	G14-13 Jeeban Panthi	Changing Climate-Adapting to the Change: Agriculture Water Management in Gandaki River Basin of Nepal Himalaya
17:45-18:00	G02-14 Kazem Mohammad Naseri	Statistical Landslide Susceptibility Analyses Using GIS and DEM in the Northeast of Afghanistan	G14-14 Akio Onishi	Understanding the Water Resource Interdependency of Countries and World Regions

Oral Session Program

June 7 (Tue) AM

	Room I		Room II	
	S02 Climate Change Impacts on Water Resources (1) Chair: Kenji Tanaka		UNESCO Session Chair: Yasuto Tachikawa	
11:00- 11:15	S02-01 Kenji Tanaka	Assessing the Impact of Climate Change on Water Resources in Japan	U-01 Shahbaz Khan	UNESCO IHP-RSC, IDI, IFI Special Session: Regional Delivery of SDGs a Focus on Hydroinformatics and Education for Hydrohazards
11:15- 11:30	S02-02 Yoko Taniguchi	Global Warming-Induced Changes in the Amount and Quality of Snow cover in Dam Catchment Basins	U-02 Guillermo Quesada Tabios III	Current Institutional Arrangement of Water Governance in the Philippines
11:30- 11:45	S02-03 Yaning Chen	Water Crisis and Ecological Security in Central Asia	U-03 Kenichiro Kobayashi	Report of the Proposal for Making the Catalogues of Hydrologic Analysis as the Successive Series of the Catalogues of Rivers
11:45- 12:00	S02-04 Yoshiya Touge	Estimation of Climate Change Impacts on Water Balance in the Aral Sea Basin using Land Surface Model	U-04 Toshio Koike	Next step of International Flood Initiative to Contribute to the Sustainable Development in the Asia Pacific Region
12:00- 12:15	S02-05 Temur Khujanazarov	Analysis of the Water Resources Regulation Under Climate Change in the Zeravshan River Basin	U-05 Ali Sayed Chavoshian	Innovative Approaches for Drought Risk Prediction and Monitoring in the Arid and Semi-arid Areas of the West Asia
12:15- 12:30	S02-06 Krishan Paul Singh	Impact of Climate Change on Water Resources and Water Security in North West Parts of India	Panel Discussion	

Oral Session Program

June 7 (Tue) AM

	Room III	Room IV
11:00-11:15		
11:15-11:30		
11:30-11:45	no session	no session
11:45-12:00		
12:00-12:15		
12:15-12:30		

Oral Session Program

June 7 (Tue) PM1

	Room I		Room II	
	S02 Climate Change Impacts on Water Resources (2) Chair: Kei Yoshimura		S05 Conflict Resolution in Water Resources and Environmental Governance Chair: Keith Hipel	
14:30-14:45	S02-07 Taikan Oki	Impacts of Anthropogenic Water Management on the Changes in Hydrological Drought under Climate Change	S05-01 Kiyoko Hagihara	Vulnerability in Water Resources
14:45-15:00	S02-08 Maksym A. Gusyev	Drought Impacts in Asian River Basins: Historical and Climate Change Perspectives	S05-02 Yi Xiao	Agent-Based Modelling for Simulating Water Demand Management within Water Allocation
15:00-15:15	S02-09 Pedro Luiz Borges Chaffe	Climatic and Physical Controls on the Hydrological Regimes of Southern Brazil: An Analysis of the 1975-2010 Period	S05-03 Amanda Garcia	Water Pricing Conflict in British Columbia
15:15-15:30	S02-10 Miriam Fendekova	Climate Change Impact on Water Resources in Kysuca River Basin, Slovakia	S05-04 Yasir M. Aljefri	The Conflict Between the Upstream and Downstream Countries over the Construction of the Grand Ethiopian Renaissance Dam
15:30-15:45	S02-11 Gregory Seiller	Influence of Hydrological Modelling Strategies on the Diagnosis of the Impacts of Climate Change on Water Resources	S05-05 Simone Philpot	Strategic Analysis of an Evolving Groundwater Contamination Conflict in Ontario, Canada
15:45-16:00	S02-12 Getachew Tegegne	Comparison of Hydrological Models for Assessment of Climate Change Impact on Water Resources of the Lake Tana Basin, Ethiopia	S05-06 Monika Karnis	A Survey of Carbon Emissions Reduction Strategies in Canada
16:00-16:15	S02-13 Patinya Hanittinan	Evaluation of Future Precipitation and Runoff Uncertainties in the Indochina Peninsula	S05-07 Jan Franklin Adamowski	Participatory System Dynamics Modeling for Water Resources Planning and Management
16:15-16:30	S02-14 Tuan Nhan Nguyen	Impacts of Climate Change to Kien Giang Province in the Mekong Delta of Viet Nam: Practical View and Adaptation Capacity	S05-08 Shawei He	Air Pollution Conflict in China Using the Graph Model for Conflict Resolution

Oral Session Program

June 7 (Tue) PM1

	Room III		Room IV	
	G07 Integrated Sediment and Ecosystem Management Chair: Tetsuya Sumi		G08 Water and Environment Management in Urban Areas Chair: James E. Nickum	
14:30-14:45	G07-01 Anand Nainar	The Effects of Different Land use on Suspended Sediment Dynamics in Sabah (North Borneo) - A View on the Event and Annual Scale	G08-01 James E. Nickum	Sustainability Dilemmas in Global Cities
14:45-15:00	G07-02 Makoto Hyodo	Evaluation for Restoration of Spawning Redds of Ayu fish in Gravel Braided Rivers	G08-02 Shirley Gato-Trinidad	Flood Mitigation Benefits of Rainwater Tanks
15:00-15:15	G07-03 Yukio Miyagawa	The Effect of Sediment Replenishment on Riverbed Material Size Distribution and Attached Algae at Downstream of Dams	G08-03 Karol Dawid Mrozik	Mitigation of Losses Water Retention Capacity as a Key Challenge in Metropolitan Areas of Polish Second Tier Cities
15:15-15:30	G07-04 Santosh Kumar Sarkar	Quantification and Source Identification of Polycyclic Aromatic Hydrocarbons in Core Sediments from Indian Sundarban Mangrove Wetland for Ecosystem Management	G08-04 Ying Hsuan Chen	The Effect of Salinity on Sponge Based Moving Bed-OMBR Hybrid Systems for Wastewater Treatment
15:30-15:45	G07-05 Giyoung Ock	Hyporheic Flow Induced Habitat Complexity and Biodiversity of Macroinvertebrates along Restored Gravel Bars in the Trinity River, California	G08-05 Li-Wen Chang	Studies on Heavy Metals Absorption of Rice Husk Ash
15:45-16:00	G07-06 Ko-Fei Liu	Large Scale Simulation of Watershed Mass Transport - a Case Study of Tsengwen Reservoir Watershed Taiwan	G08-06 Guangyu Su	Research on Protection Measures of Water Quality of Water Supply Reservoirs
16:00-16:15	G07-07 Jie-Lun Chiang	Potential Impact of Climate Change on Rainfall Erosivity Factor in Taiwan	G08-07 Tathiane Mayumi Anazawa	The Invisibility of a Disaster in the Context of Water Security in Brazil: the Case of the Metropolitan Area of Campinas, State of Sao Paulo
16:15-16:30	G07-08 Weihong Li	Soil Erosion Assessment and Attribution in Ili River Valley, China	G08-08 Ni-Bin Chang	Sustainable Drainage Infrastructure Planning in a Coastal Urban Watershed under Long-term Precipitation Variability and Sea Level Rise

Oral Session Program

June 7 (Tue) PM2

	Room I		Room II	
	S02 Climate Change Impacts on Water Resources (3) Chair: Van-Thanh-Van Nguyen		S10 Water Security: Governance and Risk Management Chair: Huimin Wang	
17:00-17:15	S02-15 Tomoki Ushiyama	Dynamical Downscaling and Bias Correction of Rainfall in the Pampanga River Basin, Philippines, for Flood Risk Change on Global Warming	S10-01 Jing Huang	The Study on Urban Flood Risk Assessment Based on Spatial Clustering
17:15-17:30	S02-16 Van-Thanh-Van Nguyen	Statistical Downscaling of Extreme Rainfall Processes (SDExRain): A Decision Support Tool for Assessing the Climate Change Impacts on Local Rainfall Extremes	S10-02 Guofang Li	Impact Assessment of Urbanization on Flood Risks Based on SPRR Disaster Chain
17:30-17:45	S02-17 Donpapob Manee	Evaluation of Bias Correction Technics for Future River Discharge Projection	S10-03 Junyu Chen	Research on Water Conservation Valuation and Policies in Taihu Basin Under the RCPs Scenarios
17:45-18:00	S02-18 Basher Md.Abul	A Bayesian Model Averaging Approach for Reducing the Uncertainty Associated in CORDEX South Asia Regional Climate Model in Simulating Rainfall over the North-East Region of Bangladesh	S10-04 Young-Oh Kim	Comparison of Decision Making Methods for Climate Change Adaptation Planning
18:00-18:15	S02-19 Nobuyuki Utsumi	Development of a Tracer Scheme for the Causal Weather Systems of Precipitation for Global Hydrological Models	S10-05 Xiaoying Lai	Brief Comments on Water Treatment Mechanism of Phosphate Mining Exploitation in Chinese Southwest Minority Areas
18:15-18:30	S02-20 Reinhardt E Pinzón	Future Climate Change of Cities in Central America: Climate Analogues Study	S10-06 Adam Chorynski	Lessons Learned: Stakeholders Perspective on Reducing Flood Risk

Oral Session Program

June 7 (Tue) PM2

	Room III		Room IV	
	G03 Surface Water and Ground Water Interaction Chair: Ichirow Kaihotsu		G09 Eco-Hydraulics/ Eco-Hydrology for Water Sustainability Chair: Robby Yussac Tallar	
17:00-17:15	G03-01 Takahiro Sayama	Estimation of Bedrock Ground Water Contribution from a Mountainous Catchment with a Distributed Rainfall-Runoff Model and Time-Space Accounting Scheme	G09-07 Mahua Mukherjee	Greening Urban Space as a Resiliency Measure
17:15-17:30	G03-02 Il-Moon Chung	Combining Water Level Fluctuation Technique with Watershed Hydrologic Model for Daily Groundwater Recharge Estimation	G09-02 Hanae Itoh	Effects of Geomorphological Simulation on the Dynamic Modeling of Riparian Vegetation Succession and its Application
17:30-17:45	G03-03 Chingnuo Chen	A Study of Rainfall Influence to Groundwater Level, a Case of Linbian and Donggang Basins	G09-03 Hendadura Chandani Chalanika	Species-Specific Stress Response and Competitive Capacity of Submerged Macrophytes to Thermal Effect
17:45-18:00	G03-04 Mohammed Soliman Sayed Abdel-Fattah	Flash Floods Hazard and Groundwater Recharge Assessment at Wadi Qena, Egypt	G09-04 Parveen Mahfuza	Growth, Photosynthesis and Some Stress Responses of Potamogeton Crispus to Hypoxia
18:00-18:15	G03-05 Mohamed Saber	Land Subsidence due to Groundwater Over-Pumping at the Ozark Aquifer: Monitoring Methodology Using Satellite Remote Sensing Data of GRACE	G09-05 K H.L Sanjaya	The Influence of Gravel Deposition on Vegetation Colonization in Japanese Rivers
18:15-18:30	G03-06 Toshio Hamaguchi	Parameter Design Using Artificial Swarm Intelligence Scheme in Dam Engineering	G09-06 Robby Yussac Tallar	Examining Stream Island Conceptual Model: Bridging the Gaps Between Geomorphology, Hydraulics and Ecological Perspective

Oral Session Program

June 8 (Wed) AM

	Room I		Room II	
	S02 Climate Change Impacts on Water Resources (4) Chair: Tsugihiko Watanabe		G01 Hydrometeorological Extreme Events (1) Chair: Satoru Oishi	
10:20-10:35	S02-21 Tsugihiko Watanabe	Integrated Approach to Assessment of Climate Change Impacts on Basin Hydrology and Water Use in Agriculture	G01-01 Satoru Oishi	Study for Application of Radar Rainfall Data to Railway Operation Under Heavy Rain
10:35-10:50	S02-22 Waleed Hassan Abou El-Hassan	Strategy for Integrated Assessment of Climate Change Impacts on Nexus (Water, Food and Energy) in Arid Area	G01-02 Dehua Zhu	Spatial and Temporal Sensitivity Analysis of Extreme Rainfall Using C-band Dual-Polarisation Radar
10:50-11:05	S02-23 Badiaa Chulli	Adaptation to Climate Change of the Mediterranean Agricultural Water Management	G01-03 Sujan Tamrakar	Multivariate Probabilistic Modelling of Flood Flows
11:05-11:20	S02-24 Binquan Li	Runoff Changes Caused by Soil and Water Conservation Measures in an Arid Basin of Loess Plateau, China	G01-04 Taishi Yazawa	Estimation of Flood Design Criteria in the Johor River Watershed Considering the Monsoon Climate
11:20-11:35	S02-25 Guangyao Gao	Determining the Impacts of Climate Variability and Land Use/Cover Change on Streamflow in the Loess Plateau with the Budyko Framework	G01-05 Thushara Navodani Wickramaarachchi	Frequency Analysis of Flood Discharge in Gin River at Tawalama, Sri Lanka
11:35-11:50	S02-26 Maria Rebecca Alviar Campos	Climate Change Impacts on the Water Resources of the Banaue Rice Terraces, A World Heritage	G01-06 Samiran Das	Distribution Selection for Hydrologic Frequency Analysis Using Subsampling Method
11:50-12:05	S02-27 Golam Saleh Ahmed Salem	Impact of Temperature Changes on Groundwater Level and Irrigation Cost in Agricultural Areas in Northwest Bangladesh	G01-07 Jonas Olsson	Spring Flood Forecasting in Sweden: a Multi-Method Approach
12:05-12:20	S02-28 Kazuaki Yorozu	Development of a Distributed Hydrological Model Considering Water Control on Dam Reservoir and Rice Crop Growth in Paddy Field		

Oral Session Program

June 8 (Wed) AM

	Room III		Room IV	
	G05 Water-Related Disasters Chair: Kuniyoshi Takeuchi		G10 Risk Analysis and Management Chair: Shigenobu Tanaka	
10:20-10:35	G05-01 Kuniyoshi Takeuchi	Recovery Trajectories and Building Back Better	G10-01 Pham Hong Nga	Integration of Intangible Issues into Risk Analysis in Rural Floodplain Area of Vu Gia-Thu Bon Basin, Central Vietnam
10:35-10:50	G05-02 Rakesh Kumar	Flood Disaster Risk Management for a Project Site in India Under the Changing Climate	G10-02 David Florian Vetsch	Vulnerability Analysis of Floods with Sediment Load Based on Numerical Simulations
10:50-11:05	G05-03 Mohamed Saber	Exploring the Vulnerable Urbanized Regions for Flash Floods Hazard Along the River Nile, Aswan, Egypt	G10-03 Badri Bhakta Shrestha	Assessment of Disaster Damage due to Flood Hazard in the Solo River Basin of Indonesia
11:05-11:20	G05-04 Sophal Try	Assessment of Human Pressure on Flooding in Mekong River Basin	G10-04 Warong Naivinit	Collaborative Modeling to Analyze Risk of Food Security with Multi-Stakeholders: Relationship Between Seasonal Flooded Forest Management and Local Food Security
11:20-11:35	G05-05 Takaaki Okamoto	Hydraulic Characteristics of Detour Flood-Flow Around a Bridge	G10-05 Miho Ohara	Proposal of Evidence-Based Flood Contingency Planning with Community Involvement in Data-Limited Regions
11:35-11:50	G05-06 Viet The Tran	Surface and Subsurface Flow Initiated by Rainstorm and Their Influence on the 2011 Seoul Landslide Event	G10-06 Nasif Md. Ahsan	How Does Hazard-Preparedness Training Enhance Resilience for Households at Risk?
11:50-12:05	G05-07 Ichirow Kaihotsu	Recovery of Groundwater Contaminated by Tsunami of the 2011 Tohoku Earthquakes	G10-07 Mukand Singh Babel	A Framework for Water Security Assessment at City Scale
12:05-12:20	G05-08 Michio Sanjou	Experimental Study on Pitching Moment Stability of Driftwood	G10-08 Michal Napierala	Significance of an Integrated Approach to Rainwater Management in Suburban Areas and the Effects of Their Deficiency

Oral Session Program

June 8 (Wed) PM1

	Room I		Room II	
	S03 Climate Change Impacts on Ecosystem and Biodiversity Chair: Tohru Nakashizuka		G01 Hydrometeorological Extreme Events (2) Chair: Rakesh Kumar	
13:30-13:45	S03-01 Tohru Nakashizuka	Recent Dynamics and Future Prediction of Mountain Vegetation in Northern Japan	G01-08 Tianxiang Wang	Research on the Effect of Storm Runoff on Reservoir Water Quality
13:45-14:00	S03-02 Taro Nakai	Modeling of Individual Tree Transpiration in a Bornean Tropical Rain Forest	G01-09 Chiaki Yoshida	Study on Long-Term Water Level Forecasting for the Kahayan River in Indonesia Considering Global Sea Surface Temperature Changes
14:00-14:15	S03-03 Yasuyuki Maruya	Climate Change Impact Assessment on Nutrient Discharge Using Multi-Model and Multi-Scenario of GCMs in Shiretoko	G01-10 Tomohiro Tanaka	Development of a Flood Risk Curve in the Main Yodo River, Japan and Its Tributary Basins
14:15-14:30	S03-04 Naoki H. Kumaga	Combined Effects of Ocean Warming and Coastal Environments on the Distribution of Habitat-Forming Seaweeds	G01-11 Manisha Maharjan	Future Precipitation and Temperature Projection Analysis in Chi River Basin, Thailand
14:30-14:45	S03-05 Don Van Than	Allocation of Surface Water Resources in Vu Gia ? Thu Bon River in the Context of Climate Change	G01-12 Rakesh Kumar	Development of Regional Flood Frequency Relationships for Gauged and Ungauged Catchments of Lower Godavari Subzone-3(f) of India
14:45-15:00	S03-06 Rabeya Akter	Predicted Scenarios of Salinity Regime in the Ganges-Brahmaputra-Meghna Delta	G01-13 Shigenobu Tanaka	Estimation of Catchment Averaged Extreme Rainfall with Extreme Distribution of Ground Rainfall

Oral Session Program

June 8 (Wed) PM1

	Room III		Room IV	
	G04 Real-Time Hydrometeorological Forecasting Chair: Takahiro Sayama		G11 Legislation Systems for Water Management G12 Water Diplomacy Chair: Tomoharu Hori	
13:30-13:45	G04-01 Jamila Rajabi	Applicability of IFAS Model in Monument Region (Upstream of the Kabul River Basin)	G11-01 Agnes Chong	The Environmental Protection of International Watercourses and the Principle Not to Cause Significant Harm
13:45-14:00	G04-02 Jonas Olsson	Development of a High-Resolution Flood Forecasting System in Sweden	G11-02 Nitin Bassi	Existing Legislations for Wetland Conservation in India: Identifying the Gaps
14:00-14:15	G04-03 Hiroki Tsujikura	Development of the Water Level Prediction Model Which Applied the Unscented Kalman Filter - A Case Study of the Small-Medium River Basin -	G11-03 James Fry	The Security Council and Management of International River Disputes
14:15-14:30	G04-04 Suwash Chandra Acharya	Estimating Predictive Hydrological Uncertainty Using Bivariate Meta-Gaussian Density: A Case of Nan River Basin	G12-01 Ilkhom Soliev	Assessing Benefit Sharing as a Tool of Water Diplomacy: Lessons from Water-Sharing Negotiations in the Ferghana Valley, the Syr Darya Basin
14:30-14:45	G04-05 Badiaa Chulli	Climate Change Impacts on the Hydrogeology of Mediterranean Basins: Tunisia	G12-02 Abdalla Ahmed Abdelsalam	The Impact of the Grand Ethiopian Renaissance Dam (GERD) on Sudan and Egypt Water Resources Management
14:45-15:00	G04-06 Muhammad Syahir Bin Md Din	Heavy Rainfall Prediction Considering Urban Activity Information in Jakarta, Indonesia	G12-03 Mei Sim Lay	Solving Water Insecurity Towards Water Diplomacy Between Penang, Kedah and Perlis

Oral Session Program

June 8 (Wed) PM2

	Room I	Room II	
	no session	S11 Dam Safety Chair: Ponnambalam Kumaraswamy	
15:30-15:45		S11-01 Romanas Ascila	Systems Engineering and Simulation Approach in Operational Safety of Dams and Reservoirs
15:45-16:00		S11-02 Ponnambalam Kumaraswamy	Identifying Multidisciplinary Factors Affecting Dam Safety
16:00-16:15		S11-03 Robert C Patev	The Nature of Uncertainty in Risk Analysis for Dam Safety
16:15-16:30		S11-04 Ponnambalam Kumaraswamy	A Discussion on the Current Practice of Risk-Informed Decision Making in Canada
16:30-16:45		S11-05 Andy Hughes	The Use of an Innovative Leakage Detection System to Improve and Also Assess the Safety of Dam
16:45-17:00		S11-06 Percell Phoebe	A History of Risk Management in the Bureau of Reclamation

Oral Session Program

June 8 (Wed) PM2

	Room III		Room IV	
	G06 Environmental Management Enhancing Ecosystem Services Chair: Yasuhiro Takemon		G13 Social and Economic Aspects in Water Resources Chair: Stijn Reinhard	
15:30-15:45	G06-01 Kate Helen Reilly	Anticipated Changes in Ecosystem Service Use at Multiple Spatial and Temporal Scales Following Dam Removal.	G13-01 Roshen P. S. W. B. Fernando	Factors Affecting Economic Affordability among Consumers of Domestic Water Sector in Sri Lanka
15:45-16:00	G06-02 Kengo Watanabe	Estimating Periphyton Dynamics in a Temperate Catchment Using a Distributed Nutrient-Runoff Model	G13-02 Hiroyuki Kojima	Evaluation of the Value of Hydropower Generation and Assessment of New Development Using Existing Dam Reservoirs
16:00-16:15	G06-03 Noriko Uchida	Time Series Analysis of Mitochondrial DNA Concentration in Freshwater in Japan	G13-03 Stijn Reinhard	Matching Freshwater Demand and Supply; the Water Scarcity Adaptation Hierarchy
16:15-16:30	G06-04 Kanta Kano	Installation of Bamboo Gabions as a Groin to Create Fish and Invertebrate Habitats in the Kizu River, Japan	G13-04 Mahirah Kamaludin	An Economic Valuation for Improvement in Water Services in Terengganu, Malaysia: from Domestic Consumers' Perspective
16:30-16:45	G06-05 Karina Vink	The Benefits of Cyclones as Ecosystem Services	G13-05 Sanara Hor	Linking Land and Water Uses toward Socio-Economic Metabolism Improvement in Ratanakiri Province, Cambodia
16:45-17:00	G06-06 Santosh Kumar Sarkar	Impact of the Tropical Cyclonic Storm 'Aila' on the Water Quality Characteristics and Mesozooplankton Community Structure of Sundarban Mangrove Wetland, India	G13-06 Pavisorn Chuenchum	Framework of Cross-Sectoral Analysis of Water Allocation During Dry Season

Poster Session

June 6 (Mon) & 7 (Tue)

P-01	Xianghu Li	Assessing and Quantifying the Relative Influences of Yangtze River and Local Catchment on the Floods in Poyang Lake, China
P-03	Atsuhiko Takahashi	Evaluation of Precipitation Simulated by the WRF Model Using the TRMM Observation Data in Borneo Island
P-05	Shun Kudo	Analysis of Flood Risk Change in Future Climate in terms of Discharge and Inundation in the Solo River Basin
P-07	Shanlei Sun	On the Coupling Between Precipitation and Potential Evapotranspiration: Contributions to Decadal Drought Anomalies in the Southwest China
P-09	DaeEop Lee	Impacts of Climate Change and Basin Development on Hydrologic Regime of the Tonle Sap Lake Basin, Cambodia
P-11	cancelled	cancelled
P-13	Sohei Kobayashi	Formation of Gravel Bars and Changes in Invertebrate Habitats by Sediment Deposition During a Dam Removal in the Kuma River, Japan
P-15	Aris Harnanto	The Role of Porong River in Conveying Sidoarjo Mudflow to the Sea
P-17	Huadong Shen	Long Term Hydrological Signatures, Process, and Evolution in River-Lake System: A Perspective of Lacustrine Sediment
P-19	Shou-Heng Liu	Opper/Reduced Graphene Oxide as a Visible-Light-Induced Photocatalyst for Degradation of Emerging Contaminants and Organic Dyes
P-21	Tai-Yi Yu	Exploring Factors Influencing Attitude and Behavior Intention Toward Global Climate Change for College Students in Taiwan
P-23	Tosiyuki Nakaegawa	Statistical Evaluation of Soil Wetness Changes in Future Climate in CMIP5 Multi-Model Ensembles in East Asia
P-25	Tith Nhim	Analysis of Drought Under Climate Change Conditions in the Sangke River Basin, Cambodia
P-27	Chujie Gao	Attributing the Changing Reference Evapotranspiration in Southwest China Using a New Separating Method
P-29	Pedro Luiz Borges Chaffe	The Water Footprint of Hydroelectricity in Santa Catarina State - Southern Brazil
P-31	Jaekyoung Noh	Developing a System for Simulating Instreamflow by Considering Climate Change from Many Agricultural Reservoirs
P-33	Aakanchya Budhathoki	Climate Change Impact on Water Resources in the West Seti River Basin, Nepal
P-35	Fumiya Sano	Estimation of Sea Ice Transport in Sea of Okhotsk
P-37	Kimpei Ichiyanagi	Altitude Effect of Stable Isotopes in Precipitation over Kumamoto Area, Japan

Poster Session

June 6 (Mon) & 7 (Tue)

P-02	Tooryalay Ayoubi	Assessing Water Discharge in Ghurband and Panjshir Watershed/Afghanistan Using SWAT Model and GIS
P-04	Sunmin Kim	Statistical Downscaling of AGCM Precipitation Output based on the Characteristics of Dynamical Downscaling Output
P-06	Jun Magome	Future Projection of Extreme Hazard Using a Global BTOP with GCM Output
P-08	Edangodage D. P. Perera	Lower Mekong Basin Inundation Analysis of Multi-Sea Surface Temperature Ensemble Experiments for RCP8.5 Scenario
P-10	Jie Wang	Attribution Analyses of Impacts of Environmental Changes on Streamflow in a Mountainous Basin, Vietnam
P-12	Kentaro Dotani	Proposal of a New Operation Considered Observed Accumulated Areal Mean Rainfall for Bhumibol Reservoir in the Chao Phraya Basin, Thailand
P-14	Kosuke Izumi	Restoration of Upwelling-Zone in a Secondary Channel for Creating Spawning Redds of Ayu fish in the Tenryu River
P-16	Thuy Thu Hoang	Soil Loss Vulnerability Assessment in Mekong River Basin
P-18	Takuya Matsuura	Numerical Experiment of Groundwater Salinization in the Kurobe River Alluvial Fan
P-20	Iwona Pinskiar	Relationship Between Temperature and Precipitation in the Upper Vistula Basin, Poland
P-22	Tosiyuki Nakaegawa	Climate Analogue for Major Australian Cities in Late 21st Century Using Non-Parametric Approach
P-24	Joo-Heon Lee	Evaluation and Quantification of Historical Drought for Basin Wide Drought Preparedness
P-26	Jun Wang	Research on Drought Partition and Drought Risk Zoning in Yunnan Province of China
P-28	Mahendra Dwi Putra	Water Scarcity in Indonesia: Implication for the Effect of Climate Change
P-30	Cornelius Were Okello	Impact of Population Growth and a Changing Climate on the Freshwater Resources of Lamu Island, Kenya
P-32	Yoshinobu Sato	Estimates of Hydrological Impacts of Climate Change in Japan Based on MRI-AGCM3.2S
P-34	Yasunori Igarashi	Responses of Water and Carbon Fluxes to Current, Near Future and Future Projected Climates at a Monsoonal Teak Plantation
P-36	Tomohiko Takeuchi	Dynamics of Nutrient and Dissolved Organic Matter in Snowmelt Season in Tidalfat Sediment in Lake Komuke
P-38	Alexander I. Malov	Estimation of Initial 14C Activities TDIC in Groundwater of the Recharge Area of the Old Thermal Springs Using Data on the Radiocarbon Activity in the Travertine Formations