

17th World Lake Conference
Oral Presentation (Technical Sessions)

Technical Session

Section 1 - Section 4 : October 16 (Tue.)

Section 5 - Section 12 : October 18 (Thur.)

Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 1: Biodiversity and Biological Resources	Section1 Biodiversity 1	Oct. 16 (Tue.)	9:00-10:20	Convention Hall 200	O1-1	C000338	Vertical Distribution of Phytoplankton and Their Relationship with Water Quality in Mae Kuang Reservoir, Chiang Mai, Thailand
					O1-2	C000421	Relationship between Phytoplankton Community Structure and Water Quality in the Lake Gold Coast, North Jakarta
					O1-3	C000446	Littoral Phytoplankton Community in Lake Lanao, Marawi City, Philippines
					O1-4	C000491	The typology and taxonomic diversity of the Abkhazia Republic lakes and rivers (Caucasus)
Technical Session 1: Biodiversity and Biological Resources	Section2 Biodiversity 2	Oct. 16 (Tue.)	10:40-12:00	Convention Hall 200	O1-5	C000347	DNA Barcoding Reveal The Current Status Unevaluated Species Of Rasbora Sp (Cyprinidae) From Beratan Lake, Bali
					O1-6	C000423	Development of Specific Markers for Monitoring Distribution of Spotted Barb (Barbodes binotatus) using eDNA Analysis
					TS1-1	Invited presentation	
Technical Session 1: Biodiversity and Biological Resources	Section3 Biodiversity 3	Oct. 16 (Tue.)	14:00-15:20	Convention Hall 200	O1-7	C000469	Predicting climate change impact on zooplankton community structure based on thermally polluted lakes
					O1-8	C000147	Zooplankton abundance and biomass size spectra in shallow urban lakes: analysis using laser optical plankton counter
					O1-9	C000225	Zooplankton in Assessing of the Water Quality in Urban Areas
					O1-10	C000257	Zooplankton communities in Lake Nasser under current flood regime before the implications of Grand Ethiopian Renaissance Dam (GERD) construction
Technical Session 1: Biodiversity and Biological Resources	Section4 Ecosystem services	Oct. 16 (Tue.)	15:40-17:00	Convention Hall 200	O1-11	C000487	Status of some Wetlands from South Western Maharashtra-India with special reference to Floristic and Avian Diversity, Ecosystem benefits, Threats and Management strategies
					O1-12	C000124	Fisherman's Willingness to Pay for Sustainable Ecosystem Management of Jaffna Lagoon
					O1-13	C000444	Can scientific evidence to depict the ecosystem services effectively resolve the conflict between the protected area managers and the local dependent community? Nalabana bird sanctuary; Chilika Lake a wetland of international importance, India; a case study.
					O1-14	C000418	Economic Evaluation of Ecosystem Services of Lake Kasumigaura and Issues with the Evaluation Method

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Technical Session 1: Biodiversity and Biological Resources	Section5 Biodiversity 4	Oct. 18 (Thur.)	9:00-10:20	Convention Hall 200	O1-15	C000451	Terminalia arjuna as a riparian species to the protection along the lake,tank and catchment areas in Sri Lanka.
					O1-16	C000333	The present condition of the lakefront vegetation in Kasumigaura.
					O1-17	C000119	A study on the relation between the water level in Lake Biwa and the change of the submerged plant community
					O1-18	C000137	On Inhabitation of Birds Belonging to the Family Charadriiformes and Scolopacidae in Lotus Fields on the Shore of Lake Kasumigaura
Technical Session 1: Biodiversity and Biological Resources	Section6 Biodiversity 5	Oct. 18 (Thur.)	10:40-12:00	Convention Hall 200	O1-19	C000450	Species Richness and Endemism of Vertebrate Fauna In and Around Four Lakes in Agusan del Sur, Philippines
					O1-20	C000059	The living condition of freshwater bivalve in Kasumigaura Lake and its change.
					TS1-2	Invited presentation	
Technical Session 1: Biodiversity and Biological Resources	Section7 Invasive alien species 1	Oct. 18 (Thur.)	14:00-15:20	Convention Hall 200	O1-21	C000197	Spatial Analysis of Macrophytes Diversity and Distribution in a few Selected Lakes and Reservoirs in Southeast Asia; with Special Reference to Malaysia, Indonesia and Myanmar
					O1-22	C000274	Habitat conditions and structures of rare riverside grassland plant communities on the Tenryu-gawa River system in the Nagano Prefecture, Japan
					O1-23	C000327	Countermeasures for overgrowth of invasive amphibious Water Primrose: Case of Lake Biwa, Japan
					O1-24	C000077	Current status and countermeasures for the invasive freshwater bivalve <i>Limnoperna fortunei</i> around Lake Kasumigaura, Japan.
Technical Session 1: Biodiversity and Biological Resources	Section8 Invasive alien species 2	Oct. 18 (Thur.)	15:40-17:00	Convention Hall 200	O1-25	C000149	Trophic status of <i>Chitala ornata</i> (Osteichthyes; Notopteridae), an invasive fish species in Sri Lanka and impacts of its invasion on Fish diversity in tributaries of Bentota River
					O1-26	C000330	Are Japanese Rice Fields threatened by the New Invasive Alien Species of Tadpole Shrimp (<i>Triops strenuus</i> Wolf, 1911) from Western Australia?
					O1-27	C000440	The widespread of the redclaw, <i>Cherax quadricarinatus</i> in Indonesia
					O1-28	C000253	Ecological Barriers and Aquatic Ecosystem isolation – The effect on mosquito populations and their natural enemies in Chiang Mai City, Thailand

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Technical Session 1: Biodiversity and Biological Resources	Section9 Fisheries 1	Oct. 18 (Thur.)	9:00-10:20	Conference Room 201A	O1-29	C000035	The state of Ghana's Aquaculture Production on the Volta Lake at a Glance
					O1-30	C000247	Spatial and Temporal Variation of Length-Weight Parameters and Condition Factors of Commercial Fish Species in Lake Nasser, Egypt
					O1-31	C000485	Sampling of fluctuation factors of the population of Hypomesus nipponensis in Lake Kasumigaura and early-stage population evaluation model.
					O1-32	C000380	"Fish Conservation Areas as a tool to strengthen freshwater community fisheries: Project experience from the Tonle Sap"
Technical Session 1: Biodiversity and Biological Resources	Section10 Fisheries 2	Oct. 18 (Thur.)	10:40-11:20	Conference Room 201A	O1-33	C000008	Application of a model for carrying capacity for aquaculture to a big overexploited lake
					O1-34	C000181	Mass balanced model of Lake Volta fisheries: The use of Ecopath model.
					O1-35	C000011	The evaluation of the fulfilment of the obligations under the Convention on Biological Diversity in the South Caucasus The evaluation of the fulfilment of the obligations under the Convention on Biological Diversity in the South Caucasus
					O1-36	C000165	Effects of environmentally-friendly farming on biodiversity in rice fields
Technical Session 1: Biodiversity and Biological Resources	Section11 Conservation, management and restoration 1	Oct. 18 (Thur.)	14:00-15:20	Conference Room 201A	O1-37	C000235	Restoration of a metapopulation of Aster kantoensis Kitamura, an endangered flood plain plant endemic to Japan
					O1-38	C000311	A proposed application of tributaries for aquatic plant restoration on the lake basin scale
Technical Session 1: Biodiversity and Biological Resources	Section12 Conservation, management and restoration 2	Oct. 18 (Thur.)	15:40-17:00	Conference Room 201A	O1-39	C000321	Mainstreaming Biodiversity into Inland Fisheries and Aquaculture (with special focus on wetlands) – scopes and challenges
					O1-40	C000320	Examination of methods for improvement of aquatic environment in the coastal areas of Lake Biwa using the state of bivalve populations as an indicator
					O1-41	C000350	Habitat restoration for Shijimi clam using local knowledge in the brackish lagoon Kugushi-ko
					O1-42	C000093	Swimmable Lake Kasumigaura by SATOHAMA Making Project

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Technical Session 2: Sustainable Use of Freshwater Resources	Section1 Water resources and water quality	Oct. 16 (Tue.)	9:00-10:20	Conference Room 201A	O2-1	C000389	Water purification for portable water using Bio-fence around Nyanza Gulf of Lake Victoria - Results in LAVICORD project -
					O2-2	C000336	Improvement of water quality through the Kasumigaura Conveyance Project in Sakuragawa River, and Lake Senbako
					TS2-1	Invited presentation	
Technical Session 2: Sustainable Use of Freshwater Resources	Section2 Environmental change impacts on water resources	Oct. 16 (Tue.)	10:40-12:00	Conference Room 201A	O2-3	C000498	Assessing Threats to Transboundary Lakes and Reservoirs
					O2-4	C000366	Sensitivity Analysis of Structure of the Stratification in Lake Biwa by Changing Meteorological Elements
					O2-5	C000038	Sustainability Challenges in Egypt Under Limited and Threatened Water Resources
					O2-6	C000176	Climate Action in lakes of Haor basin of Bangladesh
Technical Session 2: Sustainable Use of Freshwater Resources	Section3 Lake condition and management	Oct. 16 (Tue.)	14:00-15:20	Conference Room 201A	TS2-2	Invited presentation	
					O2-7	C000015	The Lake Fund of Russian Federation, Spatial Heterogeneity and Established Trends
					O2-8	C000502	Integrated Management Approach of Selangor Dam and ex-mining pond to to Mitigate El-Nino Effect on Water Resources in Selangor, Malaysia
Technical Session 2: Sustainable Use of Freshwater Resources	Section4 Watershed change and water resources	Oct. 16 (Tue.)	15:40-17:00	Conference Room 201A	O2-9	C000352	Impact of LULC Change on Hydrological Response in Lake Maninjau Catchment Area
					O2-10	C000457	Sustainable Development of Local community through Lake Economy.
					O2-11	C000317	Effect of soil type, slope and land use change on sediment load in Tonle Sap Lake basins
					O2-12	C000173	The Effects of Climate Change to the Major Surface Water Resources and Treatment Facilities in the Western Part of Metropolitan Manila, Philippines

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section1 Water Quality Restoration Technology	Oct. 16 (Tue.)	9:00-10:20	Convention Hall 300	O3-1	C000268	Application of non-powered water circulation system using wind and wind-driven current for shallow reservoirs
					O3-2	C000431	Oxygen nanobubble modified local soil (MLS) technology for sediment remediation and lake restoration
					O3-3	C000068	Reasonable Selection of Experimental Fields and Evaluation Methods for Water Purification Technology
					O3-4	C000356	A FUNDAMENTAL STUDY OF THE BLUE-GREEN ALGAE COUNTERMEASURES BY WASHOUT EFFECT IN LAKES
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section2 Lake ecosystem monitoring 1	Oct. 16 (Tue.)	10:40-12:00	Convention Hall 300	O3-5	C000363	Flood Pulse in A Tropical Floodplain Lake and Its Implication on Aquatic Habitat Dynamics: Case study in the Sentarum Lakes Area, Kalimantan - Indonesia
					O3-6	C000245	Dissolved oxygen profiles and its problems at Lake Maninjau, West Sumatera - Indonesia
					O3-7	C000375	The formation of thermocline and its influence on water quality at a subaqueous borrow pit in Lake Sotonasakaura
					O3-8	C000329	Effects of Three Gorges Dam on spatiotemporal distribution of silicon in the tributary: evidence from the Xiangxi River
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section3 Lake ecosystem monitoring 2	Oct. 16 (Tue.)	14:00-15:20	Convention Hall 300	TS3-1	Invited presentation	
					O3-9	C000373	Dietary utilization of cyanobacteria by fish communities in Lake Hachiro
					O3-10	C000120	Cyanobacterial carbon transfer to higher trophic level in eutrophic Taihu lake
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section4 Dynamics of phytoplankton and water blooms 1	Oct. 16 (Tue.)	15:40-17:00	Convention Hall 300	O3-11	C000394	Effect of neutralization in pH on primary production in the acidotrophic lake Inawashiro
					O3-12	C000285	Development of a bloom forecasting model for Microcystis in Tsuchiurairi Bay, Lake Kasumigaura, Japan
					O3-13	C000458	Warming and eutrophication effects on phytoplankton community of two tropical systems with different trophic states – an experimental approach
					O3-14	C000045	Evaluation of the Degradation Function of Microcystin-LR on Sediment Collected from Isahaya New Pond and Isahaya Bay

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Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section5 Dynamics of phytoplankton and water blooms 2	Oct. 18 (Thur.)	9:00-10:20	Convention Hall 300	O3-15	C000159	Influence of environmental factors on cyanobacterial biomass and microcystins concentration in the Dau Tieng Reservoir, Vietnam
					O3-16	C000305	Limnological characteristics, eutrophication and cyanobacterial dominance in three Ugandan national park shallow lakes
					O3-17	C000306	Properties of cyanobactericidal bacteria and growth inhibiting bacteria associated with waterweeds against <i>Dolichospermum crassum</i> (Cyanophyceae) causing musty odour problem in drinking water
					O3-18	C000441	"ECOSYSTEM HEALTH ASSESSMENT OF POWAI LAKE, MUMBAI, INDIA"
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section6 Effect of Climate change	Oct. 18 (Thur.)	10:40-12:00	Convention Hall 300	O3-19	C000470	The influence of eutrophication on methane production and its potential as a carbon source for zooplankton
					O3-20	C000286	Long-term variation of CO ₂ flux and the controlling factors in Asia's largest brackish water system, Chilika Lake
					O3-21	C000220	Regime shift analysis for understanding the water quality dynamics in Lake Kasumigaura
					O3-22	C000076	A study of the factors of the change of water quality and the vertical circulation of all layers in Lake Ikeda
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section7 Dynamics of organic matter	Oct. 18 (Thur.)	14:00-15:20	Convention Hall 300	TS3-2	Invited presentation	
					O3-23	C000399	Study on similarity of COD fluctuation in Lake Kasumigaura and Lake Teganuma
					O3-24	C000219	Assessment of organic matter indicators in Lake Biwa
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section8 Sediment and primary production	Oct. 18 (Thur.)	15:40-17:00	Convention Hall 300	O3-25	C000067	Analysis on sedimentary mechanism of organic matter in the coastal area of Lake Izunuma
					O3-26	C000162	Nutrients and molar C:N:P ratios in surface sediments of the Songkhla Lagoon system in southern Thailand
					O3-27	C000284	Phytoplankton Communities and Water Quality Characteristics in Lake Paldang, South Korea
					O3-28	C000426	Variability of primary productivity in Chilika Lake, India

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Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section9 Behavior and countermeasure of hazardous chemicals	Oct. 18 (Thur.)	9 : 00-10:40	Confenrece Room 404	03-29	C000172	Degradation of bisphenols in the Phragmites australis rhizosphere.
					03-30	C000283	Determination of Chelators in Lake Water using Ultra-PerformanceLiquid Chromatography/Quadrupole Time-of-Flight Mass Spectrometry
					03-31	C000034	Characteristics of phosphorus sorption-desorption behaviour and effects of salinity, pH and temperature on phosphorus sorption in sediments of a largest brackish water lagoon, Chilika, South Asia – A case study
					03-32	C000239	Characteristic of the photochemical release of phosphate from resuspended sediments under solar irradiation
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section10 Water quality monitoring 1	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 404	03-33	C000074	Spatio-Temporal Variability of Water Quality in a Large Shallow lake In Southeast Asia: Tonle Sap Lake, Cambodia
					03-34	C000096	Status of biological water quality of main rivers connected to Tonle Sap lake, Cambodia
					03-35	C000108	Survival of Escherichia coli K12 and Detection of Antibiotic-resistant Bacteria in Tonle Sap, Mekong and Basac Rivers
					03-36	C000079	Temporal Dynamics of Water Quality in Tonle Sap Lake in Kampong Loung, Cambodia, Based on Historical Data
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section11 Water quality monitoring 2	Oct. 18 (Thur.)	14:40-15:20	Confenrece Room 404	03-37	C000385	Long-term Temporal Variation in the Water Quality of Lake Inawashiro
					03-38	C000353	Water Quality of Five Selected Lakes in Southern Luzon, Philippines
Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments	Section12 Various issues associated with lake ecosystem	Oct. 18 (Thur.)	15:40-17:00	Confenrece Room 404	03-39	C000169	Genomic analysis of two odoriferous Streptomyces sp. isolated from tropical freshwater of Southeast Asia provide an insight into the identification of potential temperature sensor
					03-40	C000355	Eutrophication Mapping of Lowland Lakes in Nepal
					03-41	C000049	Lakes of the Chernobyl exclusion zone: the effects of long-term radiation exposure on aquatic biota
					03-42	C000436	Abundance of Ciliated Protozoans in a Tropical Lake: The Case of Lake Lanao, Philippines

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Technical Session 4: Lakeside History and Culture	Section1 Activities and Conservation of Riparian Areas	Oct. 16 (Tue.)	9:00-10:20	Confenrece Room 404	TS4-1	Invited presentation	
					O4-1	C000328	Promoting Bicycle Tourism Based Around Lakes ~The Shiga Prefectural Government's Efforts Around BIWAICHI and the Cooperation Between Lakes Kasumigaura, Biwa and Hamana~
					O4-2	C000023	Efforts aimed at the registration of the Ramsar Convention in Tam Giang lagoon, Central Vietnam
Technical Session 4: Lakeside History and Culture	Section2 The History and Citizens' Activities around Kasumigaura	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 404	O4-3	C000213	Environmental changes and human activities during Jomon period around lake Kasumigaura.
					O4-4	C000192	never-ending province where Kasumigaura supports symbiosis between people and the rich natural environment
					O4-5	C000097	Water front Interchange "The Citizens' Festival for Swimmable Lake Kasumigaura"
					O4-6	C000507	Let's Ride in Cycling Paradise "IBARAKI"!- "Tsukuba Kasumigaura Ring Ring Road" Cycling Events Practice Report -
Technical Session 4: Lakeside History and Culture	Section3 The Sustainable Tourism Community Planning	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 404	TS4-2	Invited presentation	
					O4-7	C000324	Diversification of uses and adjustment problems of inland water: a case study of upper Yoshino river
					O4-8	C000435	A study of the water passing capacity in Tamagawa Josui by field observation and hydraulic analysis
Technical Session 4: Lakeside History and Culture	Section4 Water System and Life Culture in Asia	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 404	O4-9	C000073	DHANMONDI LAKE: A CULTURAL ASSIMILATION OF THE CITY DWELLERS
					O4-10	C000168	Impact of Climate change on the folk culture of Haor Basin in Bangladesh
					O4-11	C000143	Management of Mangrove fringed Koggala lagoon for Sustainable Livelihood Development - Case study in Sri Lanka
					O4-12	C000473	The Sustainable approach to conserve the religious water bodies in Western part of India

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Technical Session 5: Regional Activities and Matter Cycles	Section1 Stable isotope ratio	Oct. 16 (Tue.)	9:00-10:20	Confenrece Room 202A	TS5-1	Invited presentation	
					O5-1	C000295	Identification of Nitrate Sources in Groundwaters of Silang-Sta. Rosa Subwatershed: Towards the Watershed Governance
					O5-2	C000210	Identifying Sources of Groundwater Nitrate Using $\delta^{15}\text{NNO}_3$ and $\delta^{18}\text{ONO}_3$ Values in Hokota River Watershed, Ibaraki, Japan
Technical Session 5: Regional Activities and Matter Cycles	Section2 Nitrogen contamination and ammonia volatilization	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 202A	O5-3	C000160	Regional monitoring network in atmospheric ammonia concentration in Kasumigaura-basin in Ibaraki, Japan
					O5-4	C000177	Local-scale spatial distribution of atmospheric ammonia concentration and deposition around a cattle feedlot
					O5-5	C000203	Status of nitrate pollution in groundwater of the Tomoe and Hokota River Basins (Ibaraki, Japan) and its causes
					O5-6	C000189	Applicability of the virtual nitrogen factor (VNF) of nitrogen footprint calculation as an index of nitrate leaching in different horticultural crops
Technical Session 5: Regional Activities and Matter Cycles	Section3 Water purification measures	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 202A	O5-7	C000071	Utilization of cover crops for soil and water conservation
					O5-8	C000261	Improvement of nitrogen removal rate estimation method for wetlands focused on temperature factors
					O5-9	C000092	Verification of a Simple Watershed Land-use model to estimate the Net Nutrient Loads from Non-point Sources to Rivers
					O5-10	C000139	Evaluation of Nutrient Load Reduction by Precision Water Management from Paddy Field in Lake Inbanuma Watershed
Technical Session 5: Regional Activities and Matter Cycles	Section4 Circulation irrigation and new agricultural technology	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 202A	O5-11	C000381	Analysis of Water and Nutrient Movement in a Cyclic Irrigation System to Paddy Fields
					O5-12	C000060	Assessment of block scale recycle irrigation system application toward water environmental conservation in both watershed and paddy fields scales at Shintone river basin in Kasumigaura
					O5-13	C000388	To reduce drainage nutrient load from paddy field by non-drainage transplanting with Global Navigation Satellite System (GNSS) straight-ahead assist rice transplanter at Ogata-mura 1 Non-drainage transplanting field test with GNSS straight-ahead assist rice transplanter
					O5-14	C000400	To reduce drainage nutrients load from paddy field by non-drainage transplanting with Global Navigation Satellite System(GNSS) straight-ahead assist rice transplanter at Ogata-mura for improving the water environment of Lake Hachiroko

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Technical Session 5: Regional Activities and Matter Cycles	Section5 Forest management	Oct. 18 (Thur.)	9:00-10:20	Confenrece Room 202A	TS5-2	Invited presentation	
					05-15	C000332	Formulation of forest maintenance guidelines from the viewpoint of conservation and regeneration of Lake Biwa
					05-16	C000415	Soil Environmental Condition and Vegetation Recovery of the Abandoned Cropland around Komado-Shitsugen Moor, Fukushima Prefecture
Technical Session 5: Regional Activities and Matter Cycles	Section6 Phosphorus cycle	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 202A	05-17	C000164	Phosphorus Runoff Loads from Paddy Fields and Forested Watersheds in Sengari Reservoir Basin
					05-18	C000393	Observation and Modeling of Phosphorus Runoff Loads from Sengari Reservoir Basin
					05-19	C000309	The secular change of phosphorus content in sediment of Lake Suwa
					05-20	C000298	Chemical species and bioavailability of particulate phosphorus from soils
Technical Session 5: Regional Activities and Matter Cycles	Section7 Biomass	Oct. 18 (Thur.)	14:00-15:20	Confenrece Room 202A	05-21	C000480	Formulation of Multiple 'Resources-from-Biowaste System' Models based on Subcritical Water Reactor
					05-22	C000190	Water Quality Conservation by Circulative Use of Biomass
					05-23	C000026	Development of Sludge Reduction System Using Aquatic Plant Biomass
					05-24	C000146	Nitrogen mineralization in paddy soil treated with the sludge from low-temperature anaerobic digestion
Technical Session 5: Regional Activities and Matter Cycles	Section8 Chemical substances	Oct. 18 (Thur.)	15:40-16:40	Confenrece Room 202A	05-25	C000364	Risk Assessment of Persistent Organic Pollutants in a Small Catchment
					05-26	C000072	Long term monitoring of radiocesium in soybean field, Lake Kasumigaura basin
					05-27	C000277	The distribution of antibiotic-resistant bacteria in eutrophic Lake Kasumigaura and neighboring agricultural fields

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Technical Session 6: Monitoring Based on Scientific Knowledge	Section1 Environmental monitoring	Oct. 16 (Tue.)	9:00-10:20	Confenrece Room 303	O6-1	C000027	Web Application for Examining Hydroclimate Information of Global Lake Basins: CGLB Using a latest world lake database
					O6-2	C000482	Environmetric techniques for spatio-temporal hydrochemical characterization and Pollution source identification of the Dal lake, Kashmir Himalaya, India
					O6-3	C000252	Using Multimetric Benthic Macroinvertebrate Index for the Assessment of River Health in Thailand
					O6-4	C000427	Environmental monitoring and Ecotoxicology for Tropical Environment: Standard and Application in Mekong River Countries
Technical Session 6: Monitoring Based on Scientific Knowledge	Section2 Analysis of Long-term Monitoring Data	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 303	TS6-1	Invited presentation	
					O6-5	C000231	Study on periodic variations of water quality in brackish Lake Hinuma
					O6-6	C000031	Mixing processes associated with hypoxia in Lake Kasumigaura
Technical Session 6: Monitoring Based on Scientific Knowledge	Section3 Measurement Method	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 303	O6-7	C000046	Maintain-less and sensitive methods for analysis of water-quality utilizing reagent-free photochemical reactions
					O6-8	C000133	Graphene-based electrochemical sensor as a microcystin-LR detection tool in water
					O6-9	C000129	River level monitoring by crisis management type water level gauge
					O6-10	C000241	Estimation of Secchi Disk Depth in Lake Kasumigaura from MERIS
Technical Session 6: Monitoring Based on Scientific Knowledge	Section4 Monitoring lakes by remote sensing	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 303	O6-11	C000174	Lake observation by "SHIKISAI"
					O6-12	C000346	In-Situ Hyperspectral Remote Sensing for Wetlands Condition Assessment – A Case Study of an Inland Wetland
					O6-13	C000020	Development, provision and utilization of the Lake Datasets
					O6-14	C000425	Long-Term Monitoring of Lake Surface Area Change in Indonesia from Global Surface Water Data

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Technical Session 6: Monitoring Based on Scientific Knowledge	Section5 Monitoring of human impacts	Oct. 18 (Thur.)	9:00-10:20	Confenrece Room 303	06-15	C000154	Monitoring radio-cesium contamination of mountain stream fish and estimating 137Cs accumulation rates of the fish by mark-recapture experiments in the Evacuation Instruction areas, Fukushima Pref.
					06-16	C000218	Evaluation of anthropogenic impacts on reservoir water quality: A case study in a reservoir catchment in southern Taiwan
					06-17	C000483	Investigation of the source of E.coli in the southern part of Lake Biwa
					06-18	C000319	Estimation with Time Spread of Dissolved Oxygen Deficiency in Aquatic Environments Based on Dissolved Methane and Nitrous Oxide Measurements
Technical Session 6: Monitoring Based on Scientific Knowledge	Section6 Monitoring of Emerging Pollutants	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 303	06-19	C000024	Source estimation of veterinary drugs in Yodo River watershed, Japan
					06-20	C000104	Impacts of Sediment Supply from a Dam Reservoir on Heavy Metals Concentrations in Downstream River Water
					TS6-2	Invited presentation	
Technical Session 6: Monitoring Based on Scientific Knowledge	Section7 Data Analysis and Modeling	Oct. 18 (Thur.)	14:00-15:20	Confenrece Room 303	06-21	C000111	Recent Progress of an Advanced Eco-Hydrologic and Biogeochemical Coupling Model in Terrestrial-Aquatic Continuum
					06-22	C000267	Impact of climate change on changes in river water temperature simulated with SIPHER model in Takasaki River basin, Chiba, Japan
					06-23	C000416	Assessment of Stream Flow using Soil and Water Assessment Tool (SWAT) in Loktak Lake Catchment
					06-24	C000264	Developing A Model for Estimating Secchi Disk Depth using Landsat TM and ETM+ in Indonesian Lakes
Technical Session 6: Monitoring Based on Scientific Knowledge	Section8 Dynamics of plankton and dissolved organic matter	Oct. 18 (Thur.)	15:40-17:00	Confenrece Room 303	06-25	C000323	Relationship between water quality and phytoplankton succession in Lake Biwa analyzed based on the PEG model.
					06-26	C000221	Viral hot spot in Lake Biwa, Japan
					06-27	C000263	Comparisons between the Characteristics of Natural Organic Matters in Upstream Inflowing Rivers and Discharging Sources of a Drinking Water Reservoir with or without the Transbasin Diversion
					06-28	C000118	Cooperation for Study Non-biodegradable Organic Matter in the Lake Biwa-Yodo River Watershed

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section1 Monitoring and Restoration of Lake Water Environment	Oct. 16 (Tue.)	9:00-10:20	Confenrece Room 406	TS7-1	Invited presentation	
					07-1	C000179	The Water Quality of Lake Kasumigaura as Water Source
					07-2	C000114	Demonstration Facility for Purification of Lake Kasumigaura adopting Flocculation and Magnetic Separation System
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section2 Ecosystem Service	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 406	07-3	C000012	Value-chain analysis – An assessment approach to estimate Lake Nasser fisheries performance
					07-4	C000280	Conservation for lake ecosystem through sustainable utilization of aquatic weeds
					07-5	C000117	Assessment of the Fresh Water Ecosystem Services of reservoirs/HPP dams in the Kura-Aras River Basin
					07-6	C000085	Climate change impact assessment on ecosystem services of West Lake, Hanoi capital and suggetion a system of mitigation and adaptation measures
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section3 Ecotoxicity	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 406	07-7	C000109	Which of zebrafish or Japanese medaka is suitable for the WET test for the evaluation of sewage effluent?
					07-8	C000302	Effects of Sediment and Water Quality on Antioxidant Response of Brackish Bivalve Corbicula Japonica
					07-9	C000354	The Effects of Natural and Anthropogenic Water Quality Factors on Scope for Growth of Brackish Water Bivalve Corbicula japonica
					07-10	C000211	Sedimentation Treatment of Blue-Green Algae by Extract from Steelmaking Slag
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section4 Water Treatment	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 406	07-11	C000194	Demonstration experiment of new water treatment system by taking Lake Kasumigaura water(I)- Examination of characteristics of advanced oxidation process and its performance indicators -
					07-12	C000216	Demonstration experiment of new water treatment system by taking Lake Kasumigaura water(II)-Examination of characteristics of magnetic ion exchange resin-
					07-13	C000226	Development of the advanced on-line UF defferential pressure prediction system
					07-14	C000293	Process, Organizational, and Operational Developments in Putatan Water Treatment Plant 1 from 2015 to 2017

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section5 Conservation and Pollution Controll	Oct. 18 (Thur.)	9:00-10:20	Confenrece Room 406	TS7-2	Invited presentation	
					07-15	C000158	Characterization and Treatment of Stormwater Runoff from the Nainital Lake Catchment in the Himalayan Region of India
					07-16	C000476	Field Experiments on Runoff Reduction Using Terrestrial Alga as Topsoil Nutrient Absorber
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section6 Wastewater Treatment	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 406	07-17	C000110	Full-scale demonstration of nitrification control for energy saving with sufficient water quality
					07-18	C000463	Examination of the Aeration Process to Improve Nitrogen Removal during Sewage Treatment
					07-19	C000259	Realization of partial nitrification for mainstream deammonification
					07-20	C000454	Simultaneous removal of nitrogen and priority phthalates from municipal wastewater for management of fresh water sources
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section7 Wastewater Treatment/Aquatic Plant	Oct. 18 (Thur.)	14:00-15:20	Confenrece Room 406	07-21	C000136	Comparison of Effluents Characteristics from Full-Scale Wastewater Treatment Plants in Thailand, USA, and Japan before Discharging to Lakes
					07-22	C000125	Development of Design Method for Localization of Japanese Johkasou to EU Area
					07-23	C000428	Problem Alligator weed management practices in Inba-numa lake for flood disaster risk reduction and sustainable effort to control invasive water plants
					07-24	C000275	Functionality and Utilization of native chestnuts in Inba-numa
Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services	Section8 Sanitation and appropriate technology	Oct. 18 (Thur.)	15:40-17:00	Confenrece Room 406	07-25	C000100	Hygiene and Sanitation of people living on and around Tonle Sap Lake: Comparison of water based, water-land based and land based zones
					07-26	C000382	The Challenge for Lake Victoria Protection by the Ecological Sanitation Approach in Kenya
					07-27	C000383	Successful Results of the Ecological Sanitation Approach toward Harmonious Coexistence of the People and Lake Malawi, Africa
					07-28	C000193	An energy-saving aerobic purification of wastewater and drinking water by the Slanted-Soil-Chamber Method

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 8: Citizens' Activities and Environmental Education	Section1 Participation and collaboration 1	Oct. 16 (Tue.)	9:00-10:20	Confenrece Room 201B	O8-1	C000180	Welcome to Shishituka SATOYAMA woodland. Let's do it together.
					O8-2	C000198	Environmenntal education in Satoyama of the Lake Inba source area
					O8-3	C000488	Sustain rich waterside landscapes for next generation
					O8-4	C000050	Regional Efforts to Protect and Create beautiful Amanohashidate, Asokai and its Watershed, "the Three Major Sceneries of japan"
Technical Session 8: Citizens' Activities and Environmental Education	Section2 Participation and collaboration 2	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 201B	TS8-1	Invited presentation	
					O8-5	C000386	M.A.T.H. for Yaman ng Lawa: Strategies for Sustainable Development of the Wealth of the Lake The Case of Laguna De Bay, Calamba City, Philippines
					O8-6	C000187	My Lake Lanao Project: A Clean Lanao for a Peaceful Mindanao
Technical Session 8: Citizens' Activities and Environmental Education	Section3 Participation and collaboration 3	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 201B	O8-7	C000166	The Changing Role of Community in the Management of Reservoirs in Jakarta
					O8-8	C000439	Stakeholder Participation for Determining Research Direction of Phayao Lake, Thailand.
					O8-9	C000349	Implementation and Evaluation of the "Tirta Budaya Situ" Water Culture Program Established for Urban Lakes Within the Jakarta Metropolitan Area
					O8-10	C000251	The ways to increase environmental awareness of the Aral tragedy and its ecology today
Technical Session 8: Citizens' Activities and Environmental Education	Section4 Participation and collaboration 4	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 201B	O8-11	C000452	INITIATIVE BY MAHARASHTRA STATE ANGLING ASSOCIATION (MSAA) TO CONSERVE POWAI LAKE, MUMBAI, INDIA
					O8-12	C000121	Our estimation and proposal on Lake Kasumigaura radioactive contamination caused by Fukushima power plant incident
					O8-13	C000135	Ecological Survey on a Small-sized Urban River by Local Companies and its Extension in Local Society
					O8-14	C000039	The history of the environmental problem of Lake Biwa and the message to the next generation

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 8: Citizens' Activities and Environmental Education	Section5 Ecological Conservation	Oct. 18 (Thur.)	9:00-10:20	Confenrece Room 201B	08-15	C000314	Tamura · Okujuku · Tosaki Area Natural Restoration Project
					08-16	C000130	Efforts of "Fish Cradle Paddy" by Suhara Seseragi no Sato in Yasu city, Shiga Prefecture
					08-17	C000481	The urgent problem of invasive alien aquatic plants in Teganuma and what civic groups can do
					08-18	C000112	The cooperation with various organizations by university students in removal activity of Invasive Alien Aquatic Weed in Lake Biwa,Japan
Technical Session 8: Citizens' Activities and Environmental Education	Section6 Education Program and Practice 1	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 201B	TS8-2	Invited presentation	
					08-19	C000334	Comprehensive environmental learning activities at every life stage in Shiga, through the perspective of Education for Sustainable Development
					08-20	C000082	Educational program of the Center foe Water Environment Studies, Ibaraki University
Technical Session 8: Citizens' Activities and Environmental Education	Section7 Education Program and Practice 2	Oct. 18 (Thur.)	14:00-15:20	Confenrece Room 201B	08-21	C000411	"Wetlands and Youth" sessions at the Asia Wetland Symposium and its achievements
					08-22	C000126	Expanding the possibility of lake environmental education by using virtual reality technology
					08-23	C000282	"Inba-numa Learning" -Hunaho Satoyama is the hometown of Lake Inba-numa-
					08-24	C000340	Commissioned Projects of Kasumigaura Citizens' Association
Technical Session 8: Citizens' Activities and Environmental Education	Section8 Education Program and Practice 3	Oct. 18 (Thur.)	15:40-17:00	Confenrece Room 201B	08-25	C000391	Liaison Council Activities of Sakura River Expedition
					08-26	C000028	Effects of children's awareness and understanding of natural environment by environmental learning activities for rivers conducted at local environmental institute.
					08-27	C000344	Influence of regional dialogue on awareness of river basin residents on water environment
					08-28	C000078	The environmental problems of Lake Kasumigaura brought up on the NHK television program

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Technical Session 9: Integrated Lake Basin Management (ILBM)	Section1 Lake-River-Coastal Basin Governance	Oct. 16 (Tue.)	9:40-10:20	Confenrece Room 304	TS9-1	Invited presentation	
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section2 ILBM and Lake Basin Governance 1	Oct. 16 (Tue.)	10:40-12:00	Confenrece Room 304	TS9-2	Invited presentation	
					09-1	C000186	Governance gaps and prospects in the Sta. Rosa Watershed of Laguna Lake, Philippines
					09-2	C000234	Integrated Lake Basin Management in Malaysia – a decade of evolution
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section3 ILBM and Lake Basin Governance 2	Oct. 16 (Tue.)	14:00-15:20	Confenrece Room 304	09-3	C000489	Conservation of Wetlands in Bhutan
					09-4	C000455	Construction of partnerships to improve Integrated Management of Lake Chapala basin, Mexico
					09-5	C000244	Peace & Governance: Challenges for Sustainable Development of Lake Lanao, Southern Philippines
					09-6	C000465	Mexican Watershed Network, a proposal to work on the integral management of lakes in Mexico
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section4 ILBM Institutions and Their Typology 1	Oct. 16 (Tue.)	15:40-17:00	Confenrece Room 304	09-7	C000061	Impacts of recent environmental changes on the livelihoods of fishing communities in the Tonle Sap Lake (TSL)
					09-8	C000075	Role of Local Authority in Integrated Lake Basin Management: Experiences from Malaysia
					09-9	C000222	River/Lake Chief, a new concept proposed by China to improve water environment
					09-10	C000255	National Sector Programme (NSP) for water resources management 2018-2030 in Albania, as a platform towards 2030 SDG 6

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Technical Sessions	Section title	Date	Time	Room	Presentation ID	Submission No.	Abstract Title
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section5 Ecosystem Service Assessment 1	Oct. 18 (Thur.)	9:00-10:20	Confenrece Room 304	09-11	C000384	Factors affecting stakeholders evaluation about Lake Biwa basin
					09-12	C000379	Perceptions, attitudes and preferences for wetland ecosystem services: a case study of Tampara, Odisha
					09-13	C000405	Ecosystem Health Card for Laguna de Bay and its Tributaries
					09-14	C000478	Main Outcomes, results and lessons learnt from the international Workshop on Integrated Lake Basins Management (with special emphasison on the importance of ESSVA[1] in the ILBM framework in West Africa). [1] Ecosystem Services Shared Value Assessment
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section6 Ecosystem Service Assessment 2	Oct. 18 (Thur.)	10:40-12:00	Confenrece Room 304	09-15	C000503	Ecosystem services valuation for urban lake and wetland - a case of Putrajaya
					09-16	C000460	'Enhanced hydrological connectivity' facilitated improvement of LULC status in the catchment area of Lake Chilika: a case study from Partner's for Resilience project, India.
					09-17	C000461	Participatory Basin Management and Biodiversity Conservation in Ansupa Lake, India
					09-18	C000281	Vulnerability and Ecosystem Services Assessment of Muda Lake Basin under the impact of Changing Climate
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section7 Climate Change Impact	Oct. 18 (Thur.)	14:00-15:20	Confenrece Room 304	09-19	C000397	Government disaster response to flood and utilization of remote sensing to river observation ; An investigation in the Asia Pacific region
					09-20	C000501	Management of a tropical freshwater lake under a changing climate and environment
					09-21	C000325	Study on the responce of water quality of nearby lakes by the change of atmospheric conditions
					09-22	C000453	Water availability and demand under climate change and population growth, in Lake Guiers, Senegal
Technical Session 9: Integrated Lake Basin Management (ILBM)	Section8 ILBM Institutions and Typology 2	Oct. 18 (Thur.)	15:40-17:00	Confenrece Room 304	09-23	C000304	Lake Basin Environment of the Lake Cluster Pokhara Valley (Ramsar Site), Nepal
					09-24	C000410	Stakeholder's account of the social and environmental challenges in the Lake Victoria Basin
					09-25	C000437	Limnological Studies of Lonar Lake, Buldhana District, Maharashtra, India
					09-26	C000447	Property Regime Change and Lake Degradation: an Institutional Analysis of Lake Rawapening in Indonesia