

## IRSLE2002 Program (Thursday 11 July-Sunday 14 July, 2002)

Venue: Rako Hananoi Hotel (Suwa, Japan)

### Timetable

Date	Time	Item	Place
11 July	15:00-17:30	Registration	Lobby
	18:00-20:00	Reception	Restaurant
12 July	08:00-09:00	Registration	Hall (2 <sup>nd</sup> floor)
	09:00-09:15	Opening addresses	Room A
	09:15-10:15	Plenary lectures	Room A
	10:15-10:30	<i>Break</i>	
	10:30-12:00	Oral presentation (1)	Rooms A and B
	12:00-13:00	Lunch	
	13:00-15:30	Poster presentation	Rooms C and D
	15:30-18:00	Oral presentation (2)	Rooms A and B
	18:00-19:00	<i>Break</i>	
	19:00-21:00	Dinner	Room A
13 July	09:00-12:00	Oral presentation (3)	Room A
	12:00-12:15	Closing address	Room A
14 July		Excursion	

### Plenary lectures (12 July; 09:15-10:15)

09:15-09:35.	CHOI Chung Il, and LEE Sang Yong (Korea)	Distribution of trace metals (Fe, Cu, Zn, Mn, Cr, Cd and Co) in seagrass ( <i>Zostera marina</i> L.) from the Hwajinpo Lake, Korea.
09:35-09:55	LIU Jiankang, and XIE Ping (China)	Fish stocking management and <i>Microcystis</i> bloom elimination in the Donghu Lake of Wuhan, China.
09:55-10:15	OKINO Tokio (Japan)	Recent ecosystem change in Lake Suwa associated with recovery of water quality and water front.

## Oral presentation (1)

(12 July; 10:30-12:00)

Room A		
10:30-10:45	DIAO Hongli, LIU Guoguang, SHEN Yunfen, FAN Xiaopeng	Study on the combined toxicity of chromium with lead, arsenic and copper respectively with PFU microbial community of freshwater.
10:45-11:00	YU Yuhe, SHEN Yunfen, FENG Weisong	The relationship between the characteristics of protozoan community structure and water quality in a treatment system of Pb-Zn mine tailing water.
11:00-11:15	XU Muqi, GAO Yurong, CAO Hong, ZHU Jiang	The relationship between the changes of plankton community structure and the metal pollution in Le An River, China.
11:15-11:30	MARUYAMA Tomoko, KATO Kenji, PARK Ho-Dong	Direct analysis of population dynamics in microcystin degrading bacteria during the bloom of toxic <i>Microcystis</i> in Lake Suwa – FISH and DVC FISH study.
11:30-11:45	SONG Biyu, XIE Ping	The benthic rhizopods from Lake Dongting.
11:45-12:00	WANG Hongzhu, XU Qiaoqing, LIANG Yanling	Empirical models for zoobenthic resources in the Yangtze lakes: a preliminary study.

**Oral presentation (2)**  
**(12 July; 15:30-18:00)**

<b>Room A</b>		
15:30-15:45	KIM Hyun-Woo, JEONG Kwang-Seuk, HA Kyong, JOO Gea-Jae	Inter-annual variation of zooplankton biomass and structure in a hyper-eutrophic river system (Nakdong River, Korea) regulated with side channel.
15:45-16:00	CHANG Kwang-Hyeon, HANAZATO Takayuki	Vertical distribution of zooplankton in a shallow eutrophic lake.
16:00-16:15	CHEN Feizhou, XIE Ping, LIU Hong, TANG Huijuan	Profound negative effects of <i>Microcystis</i> blooms on the crustacean zooplankton in an enclosure experiment in the subtropical China.
16:15-16:30	HONG Sung-Su, KIM Young-Ok, KIM Baik-Ho, HAN Myung-Soo	Growth and grazing rates of rotifer, <i>Brachionus calyciflorus</i> , on several algae.
16:30-16:45	AIKINS, S.	Grazing pressure by amphipods on microalgae in Gamo lagoon.
16:45-17:00	<i>BREAK</i>	
17:00-17:15	FUJIWARA Yoshimi, HANAZATO Takayuki	Is it really so that low temperature and food shortage induce the winter decline of <i>Daphnia</i> population in lakes? An experimental analysis to test the hypothesis.
17:15-17:30	TODA Tomoko, HANAZATO Takayuki	What factors affect the cladoceran <i>Sida</i> 's swimming/attaching behavior?
17:30-17:45	WATANABE Yasunori	Ecological effects of solar ultraviolet radiation in freshwater environments.
17:45-18:00	LEE U-hee, WATANABE Yasunori	Decomposition of dissolved humic matter in mountain bog water with reference to the effects of solar UVR and nutrients concentration.

**Oral presentation (3)**  
**(13 July; 09:00-12:00)**

Room A		
09:00-09:15	XIE Liqiang, XIE Ping, LI Sixin, TANG Huijuan	The low TN:TP ratio, a cause or a result of <i>Microcystis</i> blooms?
09:15-09:30	HWANG Soon-Jin, KIM Ho-Sub, CHOI Kwang-Hyun, PARK Jung-Hwan	The changes of nutrients and plankton communities in a bivalve manipulated (Corbiculidae) enclosure system.
09:30-09:45	KIM Bomchu, CHO Kyu-song, HEO Woo-myung, LEE Eun-Joo, HWANG Gilson, CHOI Kwangsoon, KIM Yoon-hee, KIM Hyung-bong	Long term change of trophic state and plankton community in a reservoir (Lake Soyang, Korea).
09:45-10:00	OKADA Hisako	Effect of discharge change on the distribution of <i>Cladophora glomerata</i> on riffle of Tama River, Tokyo.
10:00-10:15	XIONG Bangxi, LI Dongqi, WANG Mingxue, WANG Weimin, LIU Xiaolin, WANG Yindong, MA Xufa, WANG Xibo, HU Qiusheng	Periphytic algae community structure and its relation to environmental factors in Daoguanhe Reservoir.
10:15-10:30	LI Z.	Effects on ecosystem of cage culture in a shallow lake, along the middle reach of Yangtze River, China.
10:30-10:45	BREAK	
10:45-11:00	XIE Ping WU Lin	Enhancement of <i>Moina micrura</i> by the filter-feeding silver and bighead carps in a subtropical Chinese lake.
11:00-11:15	WATANABE Takeshi, NAKAMOTO Nobutada	Seasonal changes of drifting algae at the middle reach of the River Chikuma.
11:15-11:30	NAKAZAWA Jumpei, MIYAZAWA Akitsu, NAKAMOTO Nobutada	High photosynthetic activity in a continuous culture system of filamentous diatom caused by continuous harvest.
11:30-11:45	BAE Myong-Sook, PARK Suhk-Hwan, LEE Geon-Hyoung	The physico-chemical and microbiological water quality of the artificial Lake Keumgang.
11:45-12:00	KANAMARU Kinuyo, KUMON Fujio	The verification of total carbon in lake sediment as a paleoclimatic proxy —using sedimentological, limnological and meteorological data—

**Oral presentation (1)**  
**(12 July; 10:30-12:00)**

<b>Room B</b>		
10:30-10:45	TATSUKAWA Kenichi.	Status of eel stocks ( <i>Anguilla japonica</i> ) in some Japanese lakes.
10:45-11:00	WANG Ding, ZHANG Xianfeng, LIU Renjun, ZHAO Qingzhong, WEI Zhuo, WANG Kexiong	Establishment of a reproductive population of the Yangtze finless porpoise in an oxbow of the Yangtze River, China.
11:00-11:15	JOO Gea-Jae, PARK Sung-Bae, CHO Ga-Ik, LEE Chan-Woo, KIM Gu-Yeon	Physical alterations and restoration of the estuarine wetland of the Nakdong River, S. Korea.
11:15-11:30	LEE Chan-Woo, HONG Soon-Bok, PARK Sung-Bae, JOO Gea-Jae	Long-term change of avifauna in the Nakdong River estuary.
11:30-11:45	SHIKANO Shuichi, KAWANO Koichi, KUDO Jun-ichi, YURLOVA Natalia, KIKUCHI Eisuke	Environmental fluctuations of the Lake Chany complex in west Siberia based on NOAA images.
11:45-12:00	BYEON Myeong-Seop, HONG Sun-Hee, YOO Jae-Jun, KIM Ok-Sun, CHOI Seung-Ik, AHN-Tae-Seok	New ecosystem created by artificial floating island.

**Oral presentation (2)**  
**(12 July; 15:30-18:00)**

<b>Room B</b>		
15:30-15:45	SHIINA Mikie, UEMURA Yukari, TODA Hideshige	Nitrogen stable isotope ratio of periphyton and nitrogen pollution in the Chikuma River watershed.
15:45-16:00	AKAMATSU Fumikazu, OKINO Tokio, TODA Hideshige	Food sources of spiders in a dry riverbed estimated by using isotope ratios of carbon and nitrogen.
16:00-16:15	KIKUCHI Eisuke, DOI Hideyuki, SHIKANO Shuichi, YURLOVA Natalia, YADRENKINA Elena, ZUYKOVA Elena, OTA Hiroshi	Preliminary studies on carbon and nitrogen stable isotope ratios analysis of food web in Lake Chany of Western Siberia.
16:15-16:30	DOI Hideyuki, KIKUCHI Eisuke, TAKAGI Shigeto, SHIKANO Shuichi	Seasonal changes of carbon and nitrogen stable isotope ratios for dominant species: Chironomid larvae, phytoplankton, and benthic diatom inhabiting strongly acidic Lake Katanuma.
16:30-16:45	NI L	Growth inhibition of submerged macrophytes by water enrichment.
16:45-17:00	<i>BREAK</i>	
17:00-17:15	TAKEMURA Takeshi, TANAKA Norio, ASAEDA Takashi, TANIMOTO Katsutoshi, CHADRA Das Shamal	Evaluation of belowground seasonal dynamics of <i>Typha angustifolia</i> after cutting treatment.
17:15-17:30	GAMAGE Nimal P.D. ASAEDA Takashi	Population dynamics of water hyacinth ( <i>Eichhornia crassipes</i> )
17:30-17:45	KARUNARATNE S.	Why summer harvesting of common reed is considered as a suitable management practice?
17:45-18:00	ASAEDA Takashi, YUTANI Kentaro, SAHARA Niriya, MANATUNGE Jagath	Age specific rhizome dynamics of <i>Phragmites australis</i> and their effects on the nutrient cycling.

**Poster presentation**  
**(12 July; 13:00-15:30)**

<b>Rooms C and D</b>		
1.	HARADA Yasuhiro, MATSUYAMA Akito, YAMAMOTO Yoko	Extraction of heavy metals from contaminated soil.
2.	ANBUTSU Kaori, NAKAJIMA Takuo, TAKEMON Yasuhiro, TANIDA Kazumi, GOTO Naoshige MITAMURA Osamu	Distribution of biogeochemical parameters in the pool and interstitial waters in sand bar system of the Kizu River.
3.	ARIZUMI Kasunori, YOSHIZAWA Kazuya, YOSHIDA Norihiko KAZAMA Futaba HIRABAYASHI Kimio	Influence of the water level on quality in Lake Kawaguchi at the northern foot of Mt. Fuji, Japan.
4.	SHIN Jae-Ki, HWANG Soon-Jin CHO Kyung-Je	Phosphorus flux from the sediment and its behavior through hypolimnetic discharge in a large reservoir in S. Korea (Taechung Reservoir).
5.	KAZAMA Futaba	Monthly change of dissolved organic matter contents in lake water.
6.	KYOTANI Tomohiro, KOSHIMIZU Satoshi	Characterization of individual particles in water samples from the Fiji and Sagami Rivers, central Japan by SEM-EDX.
7.	FUNAHASHI Junko, NISHINO Naoko, YGI Akihiko	Methane flux and vertical-horizontal distribution of methane in Lake Fukami-ike.
8.	SUDA Hiromi, FUNAHASHI Junko, YAGI Akihiko	Methane and zooplankton in epilimnion of Lake Fukami-ike.
9.	MITAMURA Osamu, SEIKE Yasushi, KONDO Kunio, GOTO Naoshige, ANBUTSU Kaori, AKATSUKA Tetsuji, KIHIRA Masaki, TSERING Qiong, NISHIMURA Mitsugu	First limnological study in an alpine Lake Puma Yumco, pre-Himalaya, China.
10.	YANAGIMACHI Harumi TAKAGI Naoki, HANAZATO Takayuki, PARK Ho-Dong	Estimation of <i>Microcystis</i> distribution using satellite remote sensing data in Lake Suwa, Japan.

11.	KIM Jeong-Dong, CHOI Jung-Hye, KANG Youn-Ho, HAN Myung-Soo	Isolation and identification of cyanobacteria-lysing bacteria from sediments.
12.	AHN T.-S., HONG S.H. KIM O.S., JEON S.O. SPOGLAZOV, L.P. DRUCKER, V.V.	Community analysis of aggregated bacteria in southern Lake Baikal
13.	YAMAMOTO Toko, YAMAMOTO Yoko	Degradation of microcystin by cyanobacterial-lysing microorganisms.
14.	KIM Young-Ok, KA Soon-Kyu, HAN Myung-Soo	Growth of the heterotrich ciliate, <i>Stentor roeselii</i> feeding on algae.
15.	MOON Eun-Young, KIM Young-Ok, HAN Myung-Soo	Seasonal distribution of freshwater planktonic ciliates: impact of prey resource.
16.	LI Yanling, XIE Ping, GONG Zhijun, SHI Zhixin	Flora survey on freshwater diatom from the Hengduan Mountains Regions.
17.	LEE Wook-Sei, KIM Young-Ok, HAN Myung-Soo	Seasonal relationships between akinete germination and vegetative population of <i>Anabaena cylindrica</i> and other akinete-forming cyanobacteria.
18.	SHIN Jae-Ki, HWANG Soon-Jin CHO Kyung-Je	Impact of seawater intrusion on water quality and plankton structure in a hypertrophic coastal lake.
19.	FURUSATO Eiichi, ASAEDA Takashi	The relationship between the type of antenna pigments of dominant cyanobacteria and the ambient stratification condition in reservoirs.
20.	VU Thanh Lan Anh, OKINO Tokio	Primary succession of periphyton in temperate and tropical rivers.
21.	TADAKI Yusuke, WATANABE Yasunori	Phytoplankton and primary production in subalpine Lake Sibiria.
22.	YOSHIZAWA Kazuya, KOSHIMIZU Satoshi, UCHIYAMA Takashi	Environmental change based on diatom assemblages from Lake Yamanaka at the northern foot of Mt. Fuji, Central Japan.
23.	PARK Ku-Sung, KIM Ho-Sub, HWANG Soon-Jin	Effect of water velocity and different substrates on the growth of filamentous periphytic algae.
24.	KIM Baik-Ho, CHO Su-Yeon, HAN Myung-Soo, CHOI Min-Kyu, TAKAMURA Noriko	Dynamics of plankton communities during the cyanobacterial bloom in mesotrophic Lake Juam, Korea.
25.	DENG Daogui, XIE Ping	Effect of temperature and food on the growth and reproduction of <i>Moina lrrasa</i> (Cladocera: Moinidae).



26.	LIU Hong, XIE Ping, CHEN Feizhou, TANG Huijuan XIE Liqiang	Dynamics of rotifer community in enclosures of different nutrient conditions during a <i>Microcystis</i> bloom in a hypertrophic lake.
27.	NAGATA Takamaru, CHANG Kwang-Hyeon HANAZATO Takayuki	Seasonal changes in population dynamics and morphologies of rotifers in Lake Suwa: Their relation to predators.
28.	MORIYAMA Yutaka, HANAZATO Takayuki	Selective predation of pond smelt ( <i>Hypomesus transpacificus</i> ) and its effect on zooplankton community.
29.	CHANG Kwang-Hyeon, NAGATA Takamaru, HANAZATO Takayuki	Predation impact of fish ( <i>Pseudorasbora parva</i> ) on a zooplankton community: experimental analysis using artificial ponds.
30.	SAJI Azumi, NAKAZATO Ryoji, SAKURAI Hideki, SAKUMA Masataka, HANAZATO Takayuki	Population dynamics of epiphytic chironomid communities in the aquatic macrophyte zones of eutrophic Lakes Suwa and Kitaura.
31.	KIM Gu-Yeon, YOON Hae-Soon, JOO Gea-Jae	Change of flora and standing crop of aquatic plants in the west Nakdong River.
32.	CHOI Moon-Sul, LIM Cheol Ho	Physico-chemical characteristics of water in the Keum River.
33.	JUNG sungmin, NAMKUNG Hyun, KIM Bomchul	Primary productivity of phytoplankton in the eutrophic down reach of a regulated river (the Han River, Korea).
34.	ZHANG Tanglin, LI Zhongjie	Fish fauna of four lakes along the middle reach of the Changjiang River and their fishery utilization.
35.	LI Xinfu, SHU Shaowu	Toward a coordinated development of fishery and aquatic environment on the middle and lower basins of Yangtze River.
36.	SONG Tianxiang, ZHANG Guohua, CHANG Jianbo, MIAO Zhiguo, DENG Zhonglin	Studies on fish diversity in Honghu Lake.
37.	HA Jin-Yong, JANG Min-Ho, CHO Ga-Ik, JOO Gea-Jae	The evaluation of fishing effect on fish population size in a small stream, using the fluorescent dye.
38.	YOON Ju-Duk, PARK Hyung-Jun, HA Jin-Yong, JOO Gea-Jae	Freshwater fish diversity in the eastern Demilitarized Zone (DMZ).

39.	JUNG Jin-Ae, JANG Min-Ho, JUNG Jong-Mun, HA Kyong, JOO Gea-Jae	Interaction between cyanobacterial bloom and fishes in the Hoedong Reservoir: laboratory and field experiment.
40.	SHOJI Kyohei, WATANABE Yasunori	Introduced fishvorous fish in Japanese lakes and rivers.
41.	WANG Kexiong, WANG Ding XIAO Jianqiang	Interaction and relationship development among individuals of captive Yangtze finless porpoise ( <i>Neophocaena phocaenoides asiaeorientalis</i> )
42.	ISOBE Yoshikuni, NAKAMOTO Nobutada	Dissolved oxygen in slow sand filtration.
43.	YOKOYAMA Atsushi, PARK Ho-Dong	Bioaccumulation of the cyanobacterial toxin, microcystin, in three species of freshwater bivalve (Unionidae) in the hypertrophic Lake Suwa, Japan.
44.	OZAWA Kazuhiko, YOKOYAMA Atsushi, PARK Ho-Dong	Elucidation of microcystin accumulation and depuration mechanism on freshwater clams and snails from Lake Biwa.
45.	MIYAZAKI Satoe, PARK Ho-Dong	Estimation of the pesticides impact with a river snail, <i>Cipangopaludina chinensis laeta</i> .
46.	HATTORI Ken-Ichi, PARK Ho-Dong	Fate of cyanobacterial toxin, microcystin, in tap-water treatment processes.
47.	FUJIKOSHI Reiko, PARK Ho-Dong	Development and establishment of the microcystin analysis in cyanobacteria.
48.	WANG Jian, XIE Ping, TAKAMURA Noriko, TANG Huijuan, XIE Liqiang	The mechanism of picoplankton dominance – a comparative ecological study on waters of different trophic structures and on experimental enclosures.
49.	XIE Shouqi, ZHOU Zhigang, LEI Wu, ZHU Xiaoming, YANG Yunxia	Modeling in feeding system and pollution evaluation for intensive culture of gibel carp.
50.	LI Jian-hua, AMANO Kunihiko, SUZUKI Hiroyuki, TANAKA Hiroaki	. Nitrite accumulation during rainy season in a shallow reservoir.
51.	LEE Eun Joo, KWON Peter	Changes in phytoplankton community structure after floating-islands construction at a small pond.
52.	HEO Woo-myung, LEE Sangkyun, KWON Sangyong, LEE Jaeil, KIM Bomchul	The limnological survey of a coastal lagoon in Korea: Lake Hwajinpo.

53.	HEO Woo-Myung, KWON Sangyong, KIM Jukyung, KIM Bomchul	Long-term variations of water quality and phosphorus loading in Lake Andong.
54.	CHOI Kwangsoon, IMAI Akio, MATSUSHIGE Kazuo KIM Bomchul	Effect of ultraviolet radiation on the chemical composition and biodegradability of algal derived dissolved organic matter.
55.	BAE Kyung Seok, KIL Hye Kyung, YOO Dong Koo, KIM Lin Tae	Long-term changes of benthic macroinvertebrate biodiversity in the lower Han River, Korea.
56.	BAE Myong-Sook, PARK Suhk-Hwan, JUNG Min-Kyoung, LEE Geon-Hyoung	The variation of population densities of antibiotic and heavy meal resistant-bacteria according to different concentrations of antibiotics and heavy metals in the artificial Lake Kerumgang during winter.
57.	NAKAGAWA Satoshi, PARK Ho-Dong	Food sources using isotopes of net-spinning caddisfly larvae, <i>Stenoasyche marmorata</i> , in the upper Tenryu River.
58.	HONMA Takamitsu, SATO Momoko, PARK Ho-Dong	Effects of water qualities and weather conditions on toxic bloom of <i>Microcystis</i> in Lake Suwa.
59.	CHEN J. Paul, LIM Sophie, HONG L.	Effective removal of As (V) by a chemistry modified activated carbon.
60.	WANG Lin, WU Shunnian, CHEN J. Paul	Instrumental studies of lead sorption onto a calcium alginate based resin.
61.	IKENAKA Yoshinori, MIYABARA Yuichi	Spacial distribution of polycyclic aromatic hydrocarbons in sediments from Lake Suwa.