Final Announcement **17 th World Lake Conference**

(Lake Kasumigaura, Ibaraki, Japan 2018)

Harmonious Coexistence of Humans and Lakes

-Toward Sustainable Ecosystem Services-

Date October 15 (Mon.) - 19 (Fri.), 2018

Venue Tsukuba International Congress Center

Host Organizations

Ibaraki Prefectural Government



The International Lake Environment Committee Foundation (ILEC)

Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Ministry of the Environment (MOE), Ministry of Agriculture, Forestry and Fisheries (MAFF), Tsuchiura City, Tsukuba City, Kasumigaura City, Hokota City, Ibaraki Town, Mito City, Council to Improve the Water Quality of Lake Kasumigaura, The Association of Lake Hinuma, Registered Ramsar Site

Co-Hosts

About the World Lake Conference

Hosted by the International Lake Environment Committee Foundation (ILEC) in conjunction with organizations in countries around the world, the World Lake Conference dates back to the Shiga Conference on Conservation and Management of World Lake Environment in 1984. Since then, the conference has served as a forum for researchers, government officials, NGOs, citizens and others to gather in one place to discuss and exchange views on the diverse environmental issues affecting the world' s lakes and lake basins, as well as their initiatives for addressing these issues.



* Scenes from past conferences

About the logo for the 17th World Lake Conference (Lake Kasumigaura, Ibaraki, Japan 2018)

The conference logo is based on the official logo of the International Lake Environment Committee Foundation (ILEC). It includes a map of Ibaraki Prefecture and its lakes together with the words "IBARAKI 2018," and to add originality, the letters "A" have been replaced with " Λ ." The three lines at the top and bottom of the original ILEC logo represent the three stakeholders of citizens, researchers and government, plus the three elements of water, soil and verdure, but in the logo for the 17th World Lake Conference (Lake Kasumigaura, Ibaraki, 2018), these have been depicted in gradations of green and blue, representing forests and lakes, respectively.



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1 Conference Aim

Water forms the basis of all life, and a variety of ecosystems that include humans have benefited greatly from it. Lakes are an invaluable resource for agriculture and fisheries, for industry, and for our culture, and the conservation of lake environments is of the upmost importance.

The 6th World Lake Conference, held in Ibaraki in 1995, adopted the theme "Harmonizing human life with lakes - toward the sustainable use of lakes and reservoirs". Lake use, environmental conservation, the securement and management of freshwater resources, and the effects of eutrophication and chemical substances were discussed, and opinions exchanged with the aim of striving for harmony between humans and lakes. Furthermore, as a result of placing a focus on the undertaking of aquatic environment conservation activities and environmental education, a large number of river basin residents and citizens' organizations participated in the conference, triggering an increase in citizen activities. Since the conference, a partnership between citizens, researchers, businesses, and government bodies has formed the basis of ongoing efforts to solve issues surrounding aquatic environments.

In recent years, topics related to ecosystems have been discussed at the World Lake Conferences. In 1992, The Convention on Biological Diversity was adopted based on the fact that biodiversity supports human existence and brings a variety of benefits to humanity, and plants and animals have no national borders so it is important that issues surrounding ecosystems are tackled globally. Countries around the world are mutually cooperating in research and information exchange.

Meanwhile, the Basic Law for Water Circulation came into force in Japan in July 2014 with the aim of comprehensively and integrally promoting policies concerning the water cycle in order to reassert that water is a resource that all humanity shares, to allow water to circulate healthily, and so that humanity can continue to enjoy the blessings that it brings. The law is based on fundamental concepts including the importance of the water cycle and integrated lake basin management, and establishes the respective responsibilities of local public organizations, businesses, and citizens, and the coordination and cooperation that should occur among them.

Humans have enjoyed the blessing of ecosystem services such as food and water supplied by ecosystems built on biodiversity. However, development activities and climate change have caused a drastic loss in biodiversity. At the 17th World Lake Conference, we will discuss how ecosystems can be maintained through greater conservation efforts – namely, the development of a society where humans and lakes can support each other and coexist in harmony. Furthermore, information sharing and opinion exchange around what measures need to be taken in order for humans to continue to sustainably enjoy ecosystem services will be held among people involved with lakes, including residents, those engaged in agriculture, forestry, and fisheries, businesses, researchers, and government agencies.

This conference is hoped to be a trigger for a variety of people to strengthen coordination with each other based on their individual responsibilities, bringing about new progress in the solving of lake-related issues.

What are Ecosystem Services?

Ecosystems function as the foundation for plants to utilize sunlight to produce carbohydrates (organic matter) through photosynthesis.

Ecosystems are host to diverse organisms and are connected by complex food webs and food chains. Humankind is also one of a great number of creatures connected to the ecosystem.

In other words, ecosystems are our natural surroundings. Our lifestyles, culture, and daily life are supported by the bounties we gain from the ecosystem, such as our food and water supply, stable climate, and other sustenance from the earth. These blessings of nature are called "ecosystem services" and can be divided into four types, as shown in the figure below.



2 Outline of Conference

Theme
Conference Period
Venue
Language
Host Organizations
Co-Hosts
Supported

3 Conference Schedule

Venue		1	sukuba Internation	al Conference Cente	er	
Date	October 14 (Sun.)	October	15 (Mon.)		October 16 (Tue.)	
8:00 -						
		8:00- Regis	tration	8:00-	Registration	
8:30 -						
9:00 -						
9.00 -	9:00- Registration		9:00-17:00		9:00-12:00	9:00-17:00
9:30 -				9:30-12:00		
				9.30-12.00		
10:00 -	10:00-10:15 Opening Ceremonry for Student Conference					
10:30 -	10:20-12:00	10:15-10:30 Opening Performance			Technical Sessions	
	Student Conference	10:30-11:30		Policy Forum (Main Convention Hall)		
11:00 -	Research and	Opening Ceremony				
11.20	Activity Presentation	(Main Convention Hall)				
11:30 -	(Convention Hall 200, 300, Main Convention Hall	11:30-11:50 Ibaraki Kasumigaura Award Ceremony				
12:00 -						
12:30 -						
13:00 -			Exhibition			Exhibition
	13:00-14:30	13:10-14:10	(Multi-Purpose Hall)	13:10-17:15	13:00-14:00 Technical Sessions	(Multi-Purpose Hall)
13:30 -	Student Conference	Keynote Speech			Poster Presentation	
14:00	Poster Session	(Main Convention Hall)			Conference Room 101, 102	
14:00 -	(Conference Room 101, 102				14:00-17:00	
14:30 -	, ,	14:30-17:00				
	14:45-16:00	14.30-17.00		Lakes Session		
15:00 -	Student Conference			(Japanese Lakes		
15:30 -	Discussion	Lakes Session		Session)	Technical Sessions	
	(Conference Room 101, 102	(World Lakes Session)		(Main Convention Hall)		
16:00 -	(,	(Main Convention Hall)				
16:30 -	16:15-17:00					
10.50	Closing Ceremony					
17:00 -						
17.00						
17:30 -						
18:00 -						
	18:00-20:00	18:00-20:00		18:00-20:00		
18:30 -	Wolcomo Derte					
19:00 -	Welcome Party	Reception			Workshop	
	ر "Shinonome", ۱					
19:30 -	Hotel Grand Shinonome					
00.00						
20:00 -						

	г	sukuba Internation	al Conference Cente	er		Venue
October 17 (Wed.)		October 18 (Thur.)		Octobe	r 19 (Fri.)	Date
7:00- Registration		,				
8:00-17:30	8:00-	Registration				- 8:00 - 8:30
		9:00-12:00	9:00-17:00	9:00- Registration	9:00-13:00	- 9:00
	9:30-11:55					- 9:30
				10:00-12:00		- 10:00
	Kasumigaura Session (Main Convention Hall)	Technical Sessions		Conference Summary	Exhibition	- 10:30 - 11:00
				(Main Convention Hall)	(Multi-Purpose Hall)	- 11:30
Excursion	12:00-14:00					- 12:00
(Kasumigaura Course)	Kasumigaura Session					- 12:30
Excursion (Kitaura, Hinuma,)	Poster Presentation	Foyer of Main Convention Hall 13:00-14:00 Technical Sessions Poster Presentation (Conference Room)	Exhibition (Multi-Purpose Hall)	13:00-14:00		- 13:00
(Lake Senba Course)	(Convention Hall)			Closing Ceremony (Main Convention Hall)		- 13:30
	14:05-17:00	101, 102 14:00-17:00				- 14:00
						- 14:30
						- 15:00
	Kasumigaura Session (Main Convention Hall)	Technical Sessions				- 15:30
						- 16:00
						- 16:30
						- 17:00
				Core Time:	activities by Hosts r.) 11:00-14:00	- 17:30
18:00-20:00	18:00-20:00					- 18:00
						- 18:30
Workshop	/ Tsukuba li	articipant Get-Togeth nternational Conferen	nce Center)			- 19:00
	(nference Room 101, [·]	102			- 19:30
						- 20:00

4 Information for Participants

(1) Registration Categories and Fee

There are two ways to register for participation, "Full Conference" and "One-day".

		Full Conference (Fees in parentheses apply to developing countries)			One-day (Fees in parentheses apply to developing countries)	
		Early Registration	Regular Registration	On-site Registration	Advance Registration	On-site Registration
	Period	Feb 5~ July 16, 2018	July 17~ Sep 14, 2018	Oct 14~ 19, 2018	Feb 5~ Sep 14, 2018	Oct 14~ 19, 2018
Category	Regular	16,000 (12,000)	18,000 (12,000)	20,000 (14,000)	4,500 (3,000)	5,000 (3,500)
	Student (college students) (graduate students)	10,000 (8,000)		12,000 (10,000)	2,500 (2,000)	3,000 (2,500)
	Accompanying person (relative only)	4,000			1,C	000

(All fees are in Japanese yen)

《Notice》

- High school students and younger will be charge-free for registration when they submit or show documents such as student ID or official documents from your institution.
- Developing countries rate will be applied to participants from developing countries in line with OECD standards (DAC List of ODA Recipients). If you choose to register with this rate, please submit your passport copy. You can find a more detailed instruction in your My Page and in the registration confirmation email.
- Accompanying persons (relatives of regular participants only) may register for social events and excursions individually.

(2) Registration Date, Time and Place

Date	Starts at	Place
October 14, (Sun.)	9:00	
October 15, (Mon.)	8:00*	
October 16, (Tue.)	8:00	Tsukuba International
October 17, (Wed.)	8:00 Excursion 7:00	Congress Center 1F Entrance Hall
October 18, (Thur.)	8:00	
October 19, (Fri.)	9:00	

- * Opening Ceremony on Monday, October 15,
- Due to security reasons, entry and exit from the Main Hall will be prohibited during the Opening Ceremony and the Ibaraki Kasumigaura Award Ceremony.
- As soon as the registration details of October 15 are decided, it will be announced on the official website and by e-mail.

(3) Registration

① Pre-Registration

The Registration Office will be sending out a "Registration Confirmation Mail" in September. Participants who have registered "Pre-registration", please print out the Registration Confirmation Mail, and show it at the registration desk at the venue. The confirmation mail will include your registration number, and registration category (full conference / one-day / special residential rate). Please register at the registration desk corresponding to your category. As for any inquiries concerning your registration fees, please consult the Information Desk which will be situated near the registration desk.

2 On-site Registration

Those who wish to register on-site, please go to the "On-Site Registration Desk". Registration for extra one-day tickets may be purchased here. At the reception desk, a registration form will be distributed. After filling in the required items on the form and finishing payment, an ID card and Congress Kit will be distributed.

(4) Notice

- Those who do not have an ID card will be prohibited to enter the venue. Please wear your ID card when you visit the venue during the conference period.
- Registration Fee includes the following:
 - Participation in conference program (Full conference registrant: October 15 (Mon.) to 19 (Fri.), One-day: one of the days between October 15 (Mon.) to 19 (Fri.))
 - Congress Kit (Program & Abstract book, pamphlets on Ibaraki Prefecture and Co-hosts, etc.)
- Student Conference is free but the registration is required.

5 Information for Presenters

(1) Information for Oral Presenters

① PC Center

Please check in your data at the PC Center located at the Entrance Hall, 1F, 30 minutes prior to the starting time of your section. Please bring your presentation data on a media (USB Flash memory or CD-ROM) or bring your own PC or Mac.

② Opening Hours:

Date	Time	Venue
October 15 (Mon.)	8:00	
October 16 (Tue.)	8:00	Tsukuba International Congress
October 18 (Thur.)	8:00 (Last section starts at 15:40)	Center Entrance Hall, 1F

③ For Presentation

- After data check-in, please enter the session room before the starting time of the section.
- Please be seated in the "Next Presenters' seats" located at the front left of your session room prior to your session.

④ Presentation Time

Program	Presentation ID	Allotted Time	Presentation ID (Invited presentation)	Allotted Time
Technical Session 1	$O1-1 \sim O1-42$		TS1-1, TS1-2	
Technical Session 2	$02-1 \sim 02-12$		TS2-1, TS2-2	
Technical Session 3	O3-1 ~ O3-42	Presentation: 15min.	TS3-1, TS3-2	
Technical Session 4	04-1 ~ 04-12		TS4-1, TS4-2	Presentation:
Technical Session 5	$05-1 \sim 05-27$		TS5-1, TS5-2	30min.
Technical Session 6	$O6-1 \sim O6-28$	Q&A: 5min.	TS6-1, TS6-2	Q&A: 10min.
Technical Session 7	07-1 ~ 07-28		TS7-1, TS7-2	
Technical Session 8	08-1 ~ 08-28		TS8-1, TS8-2	
Technical Session 9	09-1 ~ 09-26		TS9-1, TS9-2	

(5) Specification of PC

The specification of prepared PC during conference is as follows:

- OS: Windows10
- Application Software: Windows PowerPoint 2016/2013.

6 Language in Presentation Slide

Both Japanese and English are acceptable in Power Point. The outline, keywords and figures should be English

- < Windows >
 - Please bring your presentation data on a media (USB Flash memory or CD-ROM). Please name your presentation data as "Presentation ID_Presenter's name".
 - Font styles are limited as below:
 MS Gothic / MSP Gothic / Times New Roman / Century
 - Please be sure to use an aspect ratio of 4:3 for your presentation slides. The resolution of the LCD projector is XGA (1024×768). One side projection is available.
 - For any audio or video playing, please refer to < Macintosh or Animation or Film Including Data > as below.
 - Presenters may not use "presentation tool" included in PowerPoint.
 - Presentation data will be copied to a PC in the section room. The Secretariat will be responsible for deleting all copies of any data after the conference.
- < Macintosh or Animation or Film Including Data >
 - Please bring your presentation data on a media (USB Flash memory or CD-ROM) or bring your own PC or Macintosh PC.
 - The Secretariat will prepare a MiniDSub 15 pin PC cable connector (see the below image). If your machine is not compatible with this cable connector, please bring an adaptor to connect your machine to the MiniD-15 pin PC cable connector. Also, please bring your AC adaptor with you.
 - If you have prepared your presentation data on a different PC from the one you have brought with you, please check beforehand that the images displayed on the LCR screen can actually be outputted externally. Sometimes the images cannot be outputted, therefore, we would like you to confirm in advance that the external output can be done successfully.
 - For any audio or video playing, please kindly bring the data which could be used for movie files on Windows Media Player.
 - Presenters may not use "presentation tool" included in PowerPoint.
 - For any password setting, screensaver and power-saving setting, please release it beforehand.
 - In order to avoid running out of battery during your presentation, please bring a power cable.
 - Please bring your presentation data on a media (either on USB flash memory or CD-ROM) as a backup file



[Mini D-sub15pin]

(2) Information for Poster Presenters

- 1 Poster Panel
 - The size of the poster panel is W90cm \times H210cm (see the image as below).
 - Pushpins will be provided along with the board.
 - Please place your poster in the designated area. As your poster is fitted in the panel, any size, format, and the number of sheets are available.
 - Any quality of the poster material is available, but only pushpins are available for mounting.
 - Presentation ID will be provided by Secretariat.

Poster Panel / (90cm×210cm)
Presentation ID

② The schedule of Set-up, Removal

Set-up: October 15 (Mon.), 14:00 - 17:00 (Technical Sessions)
October 16 (Tue.), 8:00 - 9:00 (Technical Sessions)
October 18 (Thur.), 8:00 - 9:00 (Technical Sessions/Lake Kasumigaura Session)
*Please set up the poster by yourselves (presenters).
*Before set-up, please check-in at registration desk to receive name card and congress kit.

- Removal: October 18 (Thur.), after 15:00 (Technical Session)

*The posters will be removed by Secretariat.

- October 18 (Thur.), 17:00-18:00 (Lake Kasumigaura Session)
- *Please remove your poster by yourselves (presenters).

3 Presentation Date and Time

< Core Time >

Poster Number	Technical Sessions	Lake Kasumigaura Session
Odd number	October 16 (Tue.) 13:00-14:00	October 18 (Thur.) 12:00-13:00
Even number	October 18 (Thur.) 13:00-14:00	October 18 (Thur.) 13:00-14:00

< Browsing Time >

Technical Sessions	Lake Kasumigaura Session
October 16 (Tue.) 9:00-18:00	October 18 (Thur.) 9:00-17:00
October 18 (Thur.) 9:00-15:00	Octobel 18 (11101.) 9.00-17.00

(5) Notes

The posters removed by Secretariat will be kept at the Information Desk until 14:00 on October 19 (Fri.). The organizers will dispose any posters that remain up after this time.

6 Program



(1) **Opening Ceremony**

Date & TimeOctober 15 (Mon.), 2018 10:30 – 11:30, Opening performance 10:15 – 10:30RoomMain Convention Hall, Tsukuba International Congress Center

(2) Ibaraki Kasumigaura Prize Award Ceremony

Date & Time October 15 (Mon.), 2018 11:30 – 11:50

Room Main Convention Hall, Tsukuba International Congress Center

Outline Ibaraki Prefecture award the Ibaraki Kasumigaura Prize (certificates of commendation and a supplementary prize) to up to 10 excellent proceedings papers submitted by participants from the countries and regions.

(3) Keynote Speech

Date & Time October 15 (Mon.), 2018 13:10 – 14:10

Room Main Convention Hall, Tsukuba International Congress Center

Title Future of Lakes under Global Environmental Change

Speaker Nobuo Mimura (President, Ibaraki University)

Outline of Speech Lakes are exposed to two pressures recently; human-induced pressure such as pollution loads discharged from the surrounding areas, and impacts of global warming. What should we do to create desirable future where humans and lakes can coexist harmoniously? In this lecture, I will discuss the way to activate the lake's ability to adapt to the environmental changes, and importance to utilize the ecosystem services fully including rich and varied food and landscape resources.

(4) Policy Forum

Date & Time October 16 (Tue.), 2018 9:30 – 12:00

Room Main Convention Hall, Tsukuba International Congress Center

Outline Based on the presentation, coordinators will have a panel discussion, and wrap up the forum giving direction for future conservation of the lake environment.

[Presentation]

Presenters: Kazuhiko Oigawa (Governor, Ibaraki Prefecture)

Water and Disaster Management Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

Environmental Management Bureau, Ministry of the Environment (MOE)

Agriculture, Forestry and Fisheries Research Council (MAFF)

Keith Alverson (Director, United Nations Environment International Environmental Technology Center (UNIEP IETC))

Gábor Molnár (Managing director, Lake Balaton Development Coordination Agency)

[Discussion]

- Theme: Discuss the main theme "Harmonious Coexistence of Humans and Lakes" as policy managers.
- Coordinator: Saburo Matsui (Chairperson, 17th World Lake Conference Project Promotion Committee)
- Panelists: From the above presenters.

(5) Conference Summary

Date & Time October 19 (Fri.), 2018 10:00 – 12:00 Room Main Convention Hall, Tsukuba International Congress Center

(6) Closing Ceremony

Date & Time October 19 (Fri), 2018 13:00 – 14:00 Room Main Convention Hall, Tsukuba International Congress Center

(7) Lakes Session

Citizens, administrators, researchers, and other individuals concerned of lake regions in Japan and other countries will discuss and share their specific and common problems, achievements and challenges in various aspects of lake basin management.

Theme

"Harmonious Coexistence of Humans and Lakes -Collaboration within Lakes basin towards Sustainable Ecosystem Services-"

Lakes Session (World Lakes Session)

Date & Time October 15 (Mon.), 2018 14:30 – 17:00

Room Main Convention Hall, Tsukuba International Congress Center

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Time	Contents	Outline
14:30-15:30	Case Study Presentation	Case study presentation (3 presentations, 20 mins each)
15:30-15:50	Coffee Break	
15:50-16:10	Panel Discussion	Comment on case study presentation by commentator (2 commentators, 10 mins each)
16:10-17:00		-Discussion by Panelists and the coordinator. -Opinion and information exchange -Summary of the session

Contents

-Case Study Presentation

Contents	Introduction of case studies in Oceania, Africa, and Latin America regarding the current state future development and the procedure of lake basin management.	
Presentation 1 (20 mins)	Colin Finlayson	Professor, Charles Sturt University, Australia
Presentation 2 (20 mins)	Daniel Olago	Professor, University of Nairobi, Kenya
Presentation 3 (20 mins)	Alejandro Juárez Aguilar	Chief Executive Officer, Institute Corazon de la Tierra, Mexico

-Panel Discussion

Contents	Discussion on the movement of lakes in the world and ecosystem services.	
Coordinator	Masahisa Nakamura Vice Pres Foundatio	sident, International Lake Environment Committee
Panelists	 Commentators Ajit Pattnaik Walter Rast Presenters of Case Studies Colin Finlayson Daniel Olago Alejandro Juárez Aguilar 	Vice president, Wetlands International South Asia, India Professor Emeritus, Texas State University, United States of America Professor, Charles Sturt University, Australia Professor, University of Nairobi, Kenya Chief Executive Officer, Institute Corazon de la Tierra, Mexico

Lakes Session (Japanese Lakes Session)

Date & Time October 16 (Tue.), 2018 13:10 – 17:15 Room Main Convention Hall, Tsukuba International Congress Center Schedule

Time	Contents	Outline
13:10-14:30	Case Study Presentation	Case study presentation (8 presentations, 10 mins each)
14:30-14:50	Q & A	Questions from audience
14:50-15:20	Coffee Break	
15:00 16:15		Introduction by the coordinator (5 mins)
15:20-16:15	Panel Discussion	Presentation by panelists (5 presentations, 10 mins each)
		-Discussion by panelists and the coordinator.
16:15-17:15		-Opinion and information exchange
		-Summary of the session

Contents

-Case Study Presentation

Contents		the shift and achievements of activities in Lake Kasumigaura ent of solutions for ongoing issues since the 6th World Lake
Presentation 1 (10 mins)	Yaeko Yahagi	Vice Chairperson, 2018 Citizens' Association that works closely with the World Lake Conference *Report from Ibaraki-machi Satellite venue
Presentation 2 (10 mins)	Seiji Sakuraba	Vice Chairperson (working with Mito City) *Report form Mito City Satellite venue
Presentation 3 (10 mins)	Koki Ozaki	Invasive Alien Aquatic Weed Removal Management Team Manager, Nonprofit Organization International Volunteer University Student Association(IVUSA)
Presentation 4 (10 mins)	Akihiko Kondoh	Professor, Center for Environmental Remote Sensing, Chiba University
Presentation 5 (10 mins)	Makoto Onishi	Chief Technology Officer, Water Solutions Division, Water Business Unit, Hitachi, Ltd.
Presentation 6 (10 mins)	Naoki Komatsu	Director General, Shiga Prefectural Government
Presentation 7 (10 mins)	Naoteru Odano	Director-General for Regional Revitalization and Comprehensive Strategy, Semboku City, Akita Prefecture
Presentation 8 (10 mins)	Mitsuru Izumo	CEO, euglena Co.ltd.,

-Panel Discussion

Contents	Discussion on how to collaborate among related organizations to promote the collaboration within lakes basin towards sustainable ecosystem services.		
Coordinator	Takehiko Fukushima	Director, Ibaraki Kasumigaura Environmental Science Center	
	\bigcirc Panelists		
	- Masahisa Nakamura	Vice President, International Lake Environment Committee Foundation (ILEC)	
	- Kazuya Kumagai	Director Water Environment Division, Environmental Manegement Bureau, Ministry of the Environment	
	- Masashi Iwai	Senior Deputy Director, River Environment Division, Water and Disaster Management Bureau, Ministry of Land, Infrastructure, Transport and Tourism	
Panelists	- Shinji Ide	Professor, School of Environmental Science, the University of Shiga Prefecture	
	- Noboru Okuda	Associate Professor, Research Institute for Humanity & Nature	
	○ Presenters of Case Studies		
	- Koki Ozaki	Invasive Alien Aquatic Weed Removal Management Team Manager, Nonprofit Organization International Volunteer University Student Association(IVUSA)	
	- Makoto Onishi	Chief Technology Officer, Water Solutions Division, Water Business Unit, Hitachi, Ltd.	

(8) Lake Kasumigaura Session

Stakeholders in the Kasumigaura region will discuss specific actions in effort to maintain sustainable ecosystem services.

Theme	Theme "Future Vision of Lake Kasumigaura"			
Date & Ti	me October 18 (Thu.), 2018 9:30 – 17:00			
Room	Main Conference Hall, Tsukuba Congress Center			
Schedule				

Time	Contents	Outline
9:30-10:15	Case Study Presentation 1	Case study presentation (3 presentations, 15 mins each)
10:15-10:30	Q & A	Questions from audience
10:30-10:50		Coffee Break
10:50-11:40	Case Study Presentation 2	Case study presentation (5 presentations, 10 mins each)
11:40-11:55	Q & A	Questions from audience
12:00-14:00	Poster Presentation	At foyer of Main Convention Hall
14:05-14:55	Case Study Presentation 3	Case study presentation (5 presentations, 10 mins each)
14:55-15:10	Q & A	Questions from audience
15:10-15:30	Coffee Break	
		-Comments on case study presentation by panelists
15:30-17:00	Panel Discussion	-Discussion by panelists and the coordinator.
10.00-17.00		-Opinion and information exchange
		-Summary of the session

Contents

-Case Study Presentation 1

Contents	Presentation on the shift and achievements of activities in Lake Kasumigaura and the development of solutions for ongoing issues since the 6th World Lake Conference.	
Presentation 1 (15 mins)	Mieko Kuwana	Executive Director, Department of Residential and Environmental Affairs, Ibaraki prefectural Government
Presentation 2 (15 mins)	Tsuyoshi Tatsuno	General Manager, Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
Presentation 3 (15 mins)	Kazuhiro Ebata	Vice President, Ibaraki Kasumigaura Environmental Science Center

-Case Study Presentation 2

Contents	Current situation, issues and solutions in Lake Kasumigaura by those who have benefitted from the lake.	
Presentation 1 (10 mins)	Ichiro Ito	Group Director, Kasumigaura Marine Products Research Group, Kasumigaura Fishermen's Association
Presentation 2 (10 mins)	Masami lida	Section of lotus root in Japan Agriclutural Cooperatives Tsuchiura
Presentation 3 (10 mins)	Kenya Tada	Director, Nippon Steel & Sumitomo Metal Corporation KASHIMA WORKS, Safety, Environment & Plant Safety Division
Presentation 4 (10 mins)	Hirotsugu Konno	Kasumigaura Mirai Creation Company
Presentation 5 (10 mins)	Masako Fujiwara	President, Ibaraki Life School Liaison Committee

-Case Study Presentation 3

Contents	Presentation by residential groups and summary of the satellite venues	
Presentation 1	Toshio Takishita	Vice President, 2018 Citizens' Association that works closely with the World Lake Conference
Presentation 2	Akira Abe	Chair, Kasumigaura Citizens' Association/ Chair, Excutive Committee of Satellite Tsuchiura *Report from Tsuchiura city Satellite venue
Presentation 3	Takashi Chiba	Chief clerk (Curator), Kasumigaura city museum of history *Report from Kasumigaura city Satellite venue
Presentation 4	Shigeo Oki	Chair, Council for the Promotion of Hokota City Development Nature Environment Sectional Meeting *Report from Hokota city Satellite venue
Presentation 5	Taichi Sukegawa	Student, Ibaraki Prefectural Takezono High School *Report from presentation group at Student Conference

-Panel Discussion

Contents	Discussion the specific actions towards sustainable ecosystem services with sharing the problems and issues in Lake Kasumigura throughout the case studies.	
Coordinator	Takehiko Fukushima	Director, Ibaraki Kasumigaura Environmental Science Center
Panelists	- Masahisa Nakamura - Mieko Kuwana - Tsuyoshi Tatsuno - Ichiro Ito	Vice President, International Lake Encironment committee Foundation(ILEC) Executive Director, Department of Residential and Environmental Affairs, Ibaraki prefectural Government General Manager, Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT) Group Director, Kasumigaura Marine Products Research
	- Kenya Tada - Hirotsugu Konno	Group, Kasumigaura Fishermen's Association Director, Nippon Steel & Sumitomo Metal Corporation KASHIMA WORKS, Safety, Environment & Plant Safety Division Kasumigaura Mirai Creation Company
	- Toshio Takishita	Vice President, 2018 Citizens' Association that works closely with the World Lake Conference



Lake Kasumigaura Session (Poster)

Date & Time

< Free Browsing > October 18 (Thur.) 9:00-17:00

- < Core Time > [Presentation ID - odd number] October 18 (Thur.) 12:00-13:00 [Presentation ID - even number] October 18 (Thur.) 13:00-14:00
- Venue Foyer of Main Convention Hall, Tsukuba International Congress Center

Program

KP-1	AIMING FOR WATER ENVIRONMENTAL LEARNING WANTED BY PARTICIPANT Yuki Nagate (Environmental Conservation Section, Civic Life Division, Tsuchiura City, Japan)
KP-2	LAKE KASUMIGAURA AS A TOURIST RESOURCE Motohide Akutsu (Tsuchiura City Office Commerce and Tourism Division, Japan)
KP-3	CITY PROMOTION PROJECTS MAKING USE OF KASUMIGAURA LAKE Tomoko Muto (Public Relations Division,Tsuchiura City, Japan)
KP-4	EFFORTS TO ENCOURAGE INSTALLATION OF ADVANCED TREATMENT TYPE JOHKASOU
	Kouhei Usami (Environmental Conservation Section, Civic Life Division, Tsuchiura City, Japan)
KP-5	EFFECT OF DOMESTIC WASTEWATER COUNTER MEASURES BY TSUCHIURA CITY
	Takashi Fujiwara (Environmental Conservation Section, Civic Life Division, Tsuchiura City, Japan)
KP-6	STUDY OF SURVEY ON THE WATER QUALITY OF THE INFLUX CHANNEL OF HOUSEHOLD WASTEWATER INFLOWING THE BIZEN RIVER
	Yusuke Komatsuzaki (Environmental Conservation Section, Civic Life Division, Tsuchiura City, Japan)
KP-7	EFFORTS OF WORKSPACES AND FACTORIES WASTEWATERS COUNTER MEASURES BY TSUCHIURA CITY
	Hiroki Nagamine (Environmental Conservation Section, Civic Life Division, Tsuchiura City, Japan)
KP-8	SURVEYS OF RIVER WATER QUALITY FLOWING INTO KASUMIGAURA CONDUCTED BY CITIZENS
	Yoshiko Ito (Council to Improve the Water Quality of Lake Kasumigaura, Japan)
KP-9	COUNCIL TO IMPROVE THE WATER QUALITY OF LAKE KASUMIGAURA Kiyoshi Miyamoto (Council to Improve the Water Quality of Lake Kasumigaura, Japan)
KP-10	KOISE RIVER EXPEDITION TEAM Hishiko Kamei (Liaison Conference of Koise River Expedition Team, Japan)
KP-11	BIODIVERSITY ACTIVITIES AT SONOBE RIVER Isamu Hanyuu (The Yokohama Rubber Co., Ltd. Ibaraki plant, Japan)
KP-12	CONSERVATION ACTIVITIES OF WATER SOURCE IN SHISHITUKA SATOYAMA WOODLAND. TUCHIURA CITY, IBARAKI JAPAN Hiromi Oikawa (Certified Non-profit Organization for Nature conservation and history transmission of Shishituka Satoyama, Japan)

*Affiliation and presenters' Information is based on submission.

KP-13	CITIZEN'S MONITORING AND CONSERVATION ACTIVITIES OF FRESHWATER FISH IN LAKE KASUMIGAURA Takahiro Morosawa (Tsuchiura Nature Conservation Society, Japan)
KP-14	THE FOUR ALIEN SPECIES, DEEP BODY BITTERLING ACHEILOGNATHUS MACROPTERUS, YELLOW CATFISH PSEUDOBAGRUS FULVIDRACO, WUCHANG BREAM MEGALOBRAMA AMBLYCEPHALA AND MOSQUITOFISH GAMBUSIA AFFINIS, ESTABLISHED IN THE LAKE KASUMIGAURA SYSTEM AFTER 2000, JAPAN Tomiji Hagiwara (Tsuchiura Nature Conservation Society, Japan)
KP-15	INFORMATION REGARDING THE PRACTICAL EDUCATION PROJECTS FOR CITIZENS ON KASUMIGAURA LAKE WATER PURIFICATION Tetsuo Awano (Executive committee for Kasumigaura Lake's waterfront discovery activities, Japan)
KP-16	BACTERIAL PRODUCTION AND CARBON BUDGET AT THE CENTER OF LAKE KASUMIGAURA, JAPAN Kenji Tsuchiya (National Institute for Environmental Studies, Japan)
KP-17	LONG-TERM TRENDS IN POPULATION DENSITIES OF CHIRONOMID LARVAE IN LAKE KASUMIGAURA (LAKE NISHIURA), IBARAKI PREFECTURE, JAPAN Ryoji Nakazato (Center for Water Environment Studies, Ibaraki University, Japan)
KP-18	WATER QUALITY AND MICROBIAL COMMUNITY IN BOTTOM SEDIMENT CORRESPONDING TO A DEPTH LEVEL IN LAKE KASUMIGAURA Ikuo Tsushima (Public Works Research Insititute, Japan)
KP-19	$\begin{array}{l} \mbox{IDENTIFYING SOURCES AND METABOLISM OF NITRATE FROM ANALYSIS OF} \\ \delta^{15}N, \delta^{18}O \mbox{ AND } \Delta^{17}O \mbox{ STABLE ISOTOPE ABUNDANCES IN FOREST AND RICE} \\ \mbox{PADDY WATERSHED AROUND MT. TSUKUBA, JAPAN} \\ \mbox{ Yasuhiro Nakajima (Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization (NARO) / Advanced Analysis Center, National Agriculture and Food Research Organization (NARO), Japan)} \end{array}$
KP-20	RECLAMATION OF FORESHORE WITH EFFECTIVE USE OF DREDGED SOIL Toshiharu Kataoka (Director of Environment Division, Tonegawa-Karyu Integrated Operation and Maintenance Office, Japan Water Agency, Japan)
KP-21	CHANGES IN WATER QUALITY IN LAKE KASUMIGAURA FOUND BY THE MONITORING DATA Kazuhiro Komatsu (National Institute for Environmental Studies, Japan, Japan)
KP-22	INFLUENCE OF LIGHT WAVELENGTH AND INTENSITY ON GEOSMIN PRODUCTION OF <i>STREPTOMYCES COELICOLOR</i> A3(2) Motoo Utsumi (Faculty of Life and Environmental Sciences, University of Tsukuba, Japan)
KP-23	WATER ENVIRONMENT IN THE SAKURAGAWA RIVER BAISN UNDER THE ADVANCED WATER CIRCULATION MECHANISM OF LAKE KASUMIGAURA, VISUALIZATION OF ACTUAL WATER QUALITY BY MULTIPOINT ELECTRIC CONDUCTION OBSERVATION Shinpei Yoshikawa (Graduate school of Daido University, Japan)
KP-24	SEDIMENTARY RECORD OF TSUNAMIS AND FLOODS IN LAKE KASUMIGAURA, JAPAN Yoshio Inouchi (Faculty of Human Sciences, Waseda University, Japan)
KP-25	ACTIVITIES AND ROLE OF KASUMIGAURA ACADEMIC CIRCLE - INFORMATION EXCHANGE ABOUT LAKE KASUMIGAURA Yukimi Yamane (Kasumigaura Academic Circle, Japan)

KP-26	CURRENT STATUS AND ISSUES OF WATER ENVIRONMENT OF SAKURAGAWA RIVER AIM FOR WATER QUALITY IMPROVEMENT Chiharu Kumada (Jiyu Gakuen College / University of Taisho, Japan)
KP-27	CHANGES IN RAINWATER DRAINAGE BURDEN TO NEIGHBORING LAKES BY GROWTH OF TSUKUBA SCIENCE CITY Ken Nakamura (University of Tsukuba, Japan)
KP-28	BIRDS BELONGING TO THE FAMILY CHARADRIFORMES ON THE SHORE OF LAKE KASUMIGAURA Tomoharu Nojiri (Sakai Town Office, Japan)
KP-29	BIRD NET MANAGEMENT AFFECTS THEIR INVERSION TO THE FIELD AND YIELD LOSS OF LOTUS PRODUCTION IN LATE KASUMIGAURA BASIN Masakazu Komatsuzaki (Center for International Field Agriculture Research & Education, Ibaraki University, Japan)
KP-30	DAMAGE TO WILD BIRDS CAUSED BY NETS ON LOTUS LOTUS FIELDS. ~THE REASON WHY LAKE KASUMIGAURA CANNOT BECOME A RAMSAR SITE~ Machiko Kanazawa (Wild Bird Society of Japan, Japan)
KP-31	THE PER CAPITA RUNOFF CHANGE ANALYSIS IN A WATERSHED-AN EXAMPLE OF LAKE KASUMIGAURA BASIN Ma Donglai (University of Tsukuba, China)
KP-32	LONG-TERM TREND OF CHIRONOMID LARVAE IN LAKE KITAURA Soeun Park (Center for Water Environment Studies, Ibaraki University, Japan)
KP-33	EFFECTS OF LANDUSE AND LIVESTOCK-RELATED FACILITIES ON GROUNDWATER NITRATE CONCENTRATION IN HOKOTA REGION Sadao Eguchi (Institute for Agro-Environmental Sciences, NARO, Japan)
KP-34	HOW MUCH INFORMATION ABOUT LAKE KASUMIGAURA CAN WE OBTAIN USING A WEB APPLICATION OF CLIMATES OF GLOBAL LAKE BASINS: CGLB? Tosiyuki Nakaegawa (Meteorological Research Institute, Japan)
KP-35	PROVISION OF GEOSPATIAL INFORMATION CONTRIBUTING TO VARIOUS EFFORTS FOR MANAGING LAKE KASUMIGAURA Masami Nemoto (Geospatial Information Authority of Japan, Ministry of Land, Infrastructure, Transport and Tourism, Japan)

(9) Technical Sessions

Researchers and civil groups will present and discuss their papers and activity results in 9 technical sessions.

		Technical Session 1	Technical Session 2	Technical Session 3	Technical Session 4
Venue Date & Time		Convention Hall 200	Conference Room 201A	Convention Hall 300	Conference Room 404
	9:00-10:20	<section 1=""> Biodiversity 1</section>	⟨Section 1⟩ Water Resources and Water Quality	<section 1=""> Water Quality Restoration Technology</section>	⟨Section 1⟩ Activities and Conservation of Riparian Areas
	10:20-10:40		Bre	eak	
	10:40-12:00	<pre>⟨Section 2⟩ Biodiversity 2</pre>	⟨Section 2⟩ Environmental Change Impacts on Water Resources	⟨Section 2⟩ Lake Ecosystem Monitoring 1	⟨Section 2⟩ The History and Citizens' Activities around Kasumigaura
Oct. 16	12:00-14:00		Break		
	14:00-15:20	<section 3=""> Biodiversity 3</section>	<pre>⟨Section 3⟩ Lake Condition and Management</pre>	<pre>⟨Section 3⟩</pre> Lake Ecosystem Monitoring 2	<section 3=""> The Sustainable Tourism Community Planning</section>
	15:20-15:40		Break		
	15:40-17:00	<pre></pre>	⟨Section 4⟩ Watershed Change and Water Resources	<section 4=""> Dynamics of Phytoplankton and Water Blooms 1</section>	<section 4=""> Water System and Life Culture in Asia</section>

		Technical Session 1	Technical Session 1	Technical Session 3	Technical Session 3
Date 8	Venue	Convention Hall 200	Conference Room 201A	Convention Hall 300	Conference Room 404
	9:00-10:20	⟨Section 5⟩ Biodiversity 4	⟨Section 9⟩ Fisheries 1	⟨Section 5⟩ Dynamics of Phytoplankton and Water Blooms 2	⟨Section 9⟩ Behavior and Countermeasure of Hazadous Chemicals
	10:20-10:40		Break		
		(Section 6)	(Section 10)	(Section 6)	(Section 10)
	10:40-12:00	Biodiversity 5	Fisheries 2	Effect of Climate Change	Water Quality Monitoring 1
Oct.			※10:40-11:20		
18	12:00-14:00		Break		
		〈Section 7〉	(Section 11)	(Section 7)	(Section 11)
	14:00-15:20	Invasive Alien Species 1	Conservation, Management and Restoration 1	Dynamics of Organic Matter	Monitoring 2
	15.00 15.40				<u> </u>
	15:20-15:40		Bre	eak	
		(Section 8)	(Section 12)	(Section 8)	(Section 12)
	15:40-17:00	Invasive Alien Species 2	Conservation, Management and Restoration 2	Sediment and Primary Production	Various Issues Associated with Lake Ecosystem

Technical Session 5	Technical Session 6	Technical Session 7	Technical Session 8	Technical Session 9
Conference Room 202A	Conference Room 303	Conference Room 406	Conference Room 201B	Conference Room 304
(Section 1)	(Section 1)	(Section 1)	(Section 1)	(Section 1)
Stable Isotope Ratio	Environmental Monitoring	Monitoring and Restoration of Lake Water Environment	Participation and Collaboration 1	Lake-River-Coastal Basin Governance ※9:40-10:20
		Break		
(Section 2)	(Section 2)	(Section 2)	(Section 2)	(Section 2)
Nitrogen Contamination and Ammonia Volatilization	Analysis of Long-term Monitoring Data	Ecosystem Service	Participation and Collaboration 2	ILBM and Lake Basin Governance 1
		Break		
(Section 3)	(Section 3)	(Section 3)	(Section 3)	(Section 3)
Water Purification Measures	Measurement Method	Ecotoxicity	Participation and Collaboration 3	ILBM and Lake Basin Governance 2
		Break		
(Section 4)	(Section 4)	(Section 4)	(Section 4)	(Section 4)
Circulation Irrigation and New Agricultural Technology	Monitoring Lakes by Remote Sensing	Water Treatment	Participation and Collaboration 4	ILBM Institutions and Their Typology 1

Technical Session 5	Technical Session 6	Technical Session 7	Technical Session 8	Technical Session 9
Conference Room 202A	Conference Room 303	Conference Room 406	Conference Room 201B	Conference Room 304
〈Section 5〉	(Section 5)	(Section 5)	〈Section 5〉	(Section 5)
Forest Management	Monitoring of Human Impacts	Conservation and Pollution Controll	Ecological Conservation	Ecosystem Service Assessment 1
		Break		
〈Section 6〉	(Section 6)	(Section 6)	(Section 6)	(Section 6)
Phosphorus Cycle	Monitoring of Emerging Pollutants	Wastewater Treatment	Education Program and Practice 1	Ecosystem Service Assessment 2
		Break		
〈Section 7〉	(Section 7)	(Section 7)	〈Section 7〉	(Section 7)
Biomass	Data Analysis and Modeling	Wastewater Treatment/ Aquatic Plant	Education Program and Practice 2	Climate Change Impact
		Break		
(Section 8)	(Section 8)	(Section 8)	(Section 8)	(Section 8)
Chemical Substances %15:40-16:40	Dynamics of Plankton and Dissolved Organic Matter	Sanitation and Appropreate Technology	Education Program and Practice 3	ILBM Institutions and Their Typology 2

Technical Session (Oral)

Program

Technical Session 1: Biodiversity and Biological Resources

This session focuses on evaluation and conservation issues regarding biodiversity and biological resources services in lakes, wetlands, rivers and riparian areas.

Date & Time October 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-17:00

Venue Tsukuba International Congress Center, Convention Hall 200 (October 16, October 18), Conference room 201A (October 18)

October 16 (Convention Hall 200)

9:00-10:20 Section 1 "Biodiversity 1"

Chair: Takehito Yoshida (Research Institute for Humanity and Nature/University of Tokyo)

01-1	VERTICAL DISTRIBUTION OF PHYTOPLANKTON AND THEIR RELATIONSHIP WITH
	WATER QUALITY IN MAE KUANG RESERVOIR, CHIANG MAI, THAILAND
	Tatporn Kunpradid (Biology Department, Faculty of Science and Technology,
	Chiang Mai Rajabhat University / Centre of Excellence of Biodiversity Research and
	Implementation for Community, Chiang Mai Rajabhat Univesity, Thailand)
O1-2	RELATIONSHIP BETWEEN PHYTOPLANKTON COMMUNITY STRUCTURE AND

WATER QUALITY IN THE LAKE GOLD COAST, NORTH JAKARTA Aliati Iswantari (Bogor Agricultural University, Indonesia)

O1-3 LITTORAL PHYTOPLANKTON COMMUNITY IN LAKE LANAO, MARAWI CITY, PHILIPPINES

Husna Abdullah Dimapalao (Mindanao State University, Philippines)

O1-4 THE TYPOLOGY AND TAXONOMIC DIVERSITY OF THE ABKHAZIA REPUBLIC LAKES AND RIVERS (CAUCASUS) Nafisa Mingazova (Kazan (Volga region) Federal University, Russia)

10:40-12:00 Section 2 "Biodiversity 2"

Chair: Takehito Yoshida (Research Institute for Humanity and Nature/University of Tokyo)

- O1-5 DNA BARCODING REVEAL THE CURRENT STATUS UNEVALUATED SPECIES OF RASBORA SP (CYPRINIDAE) FROM BERATAN LAKE, BALI Gde Raka Kartika Kartika (Udayana University, Bali, Indonesia)
- O1-6 DEVELOPMENT OF SPECIFIC MARKERS FOR MONITORING DISTRIBUTION OF SPOTTED BARB (*BARBODES BINOTATUS*) USING EDNA ANALYSIS Sekar Larashati (Research Center for Limnology, Indonesian Institute of Sciences (LIPI), Indonesia)

TS1-1 NATIVE JAPANESE STRAIN OF THE COMMON CARP (*CYPRINUS CARPIO*): A Invited Lecture PRECIOUS NATURAL HERITAGE REMAINING IN LAKE BIWA

Kohji Mabuchi (Lake Biwa Branch Office, National Institute for Environmental Studies, Japan)

^{*}Affiliation and presenters' Information is based on submission.



14:00-15:20 Section 3 "Biodiversity 3"

Chair: Masatoshi Denda (PUBLIC WORKS RESEARCH INSTITUTE)

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01-7	PREDICTING CLIMATE CHANGE IMPACT ON ZOOPLANKTON COMMUNITY STRUCTURE BASED ON THERMALLY POLLUTED LAKES Marcin Dziuba (Adam Mickiewicz University in Poznan, Poland)
O1-8	ZOOPLANKTON ABUNDANCE AND BIOMASS SIZE SPECTRA IN SHALLOW URBAN LAKES: ANALISIS USING LASER OPTICAL PLANKTON COUNTER Reliana Lumban Toruan (University of Western Australia / Research Centre for Limnology, Indonesian Institute of Sciences, Indonesia)
O1-9	ZOOPLANKTON IN ASSESSING OF THE WATER QUALITY IN URBAN AREAS Olga Yurjevna Derevenskaia (Kazan Federal University, Russia)
O1-10	ZOOPLANKTON COMMUNITIES IN LAKE NASSER UNDER CURRENT FLOOD REGIME BEFORE THE IMPLICATIONS OF GRAND ETHIOPIAN RENAISSANCE DAM (GERD) CONSTRUCTION Mahmoud H Hegab (Freshwater and Lakes Division, National Institute of Oceanography and Fisheries, Egypt)
15:40-17:00	Section 4 "Ecosystem Services"
Chair: Hiroya	a Yamano (National Institute for Environmental Studies Center for Environmental Biology and Ecosystem Studies)
O1-11	STATUS OF SOME WETLANDS FROM SOUTH WESTERN MAHARASHTRA-INDIA WITH SPECIAL REFERENCE TO FLORISTIC AND AVIAN DIVERSITY, ECOSYSTEM BENEFITS, THREATS AND MANAGEMENT STRATEGIES Chandrakant Baburao Salunkhe (Krishna Mahavidyalaya, India)
01-12	FISHERMAN'S WILLINGNESS TO PAY FOR SUSTAINABLE ECOSYSTEM MANAGEMENT OF JAFFNA LAGOON Sooriyakumar Krishnapillai (Department of Agricultural Economics, Faculty of Agriculture, University of Jaffna, Sri Lanka)
O1-13	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 Ajit Kumar Pattnaik (Wetlands International South Asia / Scientific Committee, ILEC Foundation, India)
O1-14	ECONOMIC EVALUATION OF ECOSYSTEM SERVICES OF LAKE KASUMIGAURA AND ISSUES WITH THE EVALUATION METHOD Tatsumi Kitamura (Ibaraki Kasumigaura Environmental Science Center, Japan)

October 18 (Convention Hall 200)

9:00-10:20 Section 5 "Biodiversity 4"

Chair: Jun Nishihiro (Toho University)

01-15 *TERMINALIA ARJUNA* AS A RIPARIAN SPECIES TO THE PROTECTION ALONG THE LAKE, TANK AND CATCHMENT AREAS IN SRI LANKA

D.A.B.N Amarasekera (Department of crop science, Faculty of Agriculture, University of Ruhuna, Sri Lanka)

- O1-16 THE PRESENT CONDITION OF THE LAKEFRONT VEGETATION IN KASUMIGAURA Masato Ono (Ministry of Land, Infurastructure, Transport and Tourism. Kanto Regional Development Bureau. Ksumigaura river office The environment department of lakes and marshes., Japan)
- O1-17 A STUDY ON THE RELATION BETWEEN THE WATER LEVEL IN LAKE BIWA AND THE CHANGE OF THE SUBMERGED PLANT COMMUNITY Katsuyuki Koga (Japan Water Agency, Japan)
- O1-18 ON INHABITATION OF BIRDS BELONGING TO THE FAMILY CHARADRIFORMES AND SCOLOPACIDAE IN LOTUS FIELDS ON THE SHORE OF LAKE KASUMIGAURA Tomoharu Nojiri (Sakai Town Office, Japan)

10:40-12:00 Section 6 "Biodiversity 5"

Chair: Takehito Yoshida (Research Institute for Humanity and Nature/University of Tokyo)

- O1-19 SPECIES RICHNESS AND ENDEMISM OF VERTEBRATE FAUNA IN AND AROUND FOUR LAKES IN AGUSAN DEL SUR, PHILIPPINES Olga M. Nuneza (Department of Biological Sciences, MSU-Iligan Institute of Technology, Philippines)
- O1-20 THE LIVING CONDITION OF FRESHWATER BIVALE IN KASUMIGAURA LAKE AND ITS CHANGE Okimichi Suzuki (Japan)

TS1-2 CURRENT STATUS AND FUTURE RESEARCH OF BIODIVERSITY ASSESSMENT Invited Lecture AND ECOSYSTEM CONSERVATION IN JAPANESE LAKES Noriko Takamura (National Institute for Environmental Studies, Japan)

14:00-15:20 Section 7 "Invasive Alien Species 1"

Chair: Masatoshi Denda (PUBLIC WORKS RESEARCH INSTITUTE)

- O1-21 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 Siti Norasikin Ismail (SCHOOL OF BIOLOGICAL SCIENCES, UNIVERSITI SAINS MALAYSIA, Malaysia)
- 01-22 HABITAT CONDITIONS AND STRUCTURES OF RARE RIVERSIDE GRASSLAND PLANT COMMUNITIES ON THE TENRYU-GAWA RIVER SYSTEM IN THE NAGANO PREFECTURE, JAPAN
 - Miho Nakahara (Shinshu University, Japan)
- O1-23 COUNTERMEASURES FOR OVERGROWTH OF INVASIVE AMPHIBIOUS WATER PRIMROSE: CASE OF LAKE BIWA, JAPAN Katsuki Nakai (Shiga Prefecture, Japan)
- O1-24 CURRENT STATUS AND COUNTERMEASURES FOR THE INVASIVE FRESHWATER BIVALVE LIMNOPERNA FORTUNEI AROUND LAKE KASUMIGAURA, JAPAN Kenji Ito (Institute for Agro-Environmental Sciences, NARO, Japan)

15:40-17:00 Section 8 "Invasive Alien Species 2"

Chair: Jun Nishihiro (Toho University)

O1-25	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 Wimal Ananda Heenatigala Palliya Guruge (DEPARTMENT OF ZOOLOGY, FACULTY OF SCIENCE, UNIVERSITY OF RUHUNA, MATARA, Sri Lanka)
O1-26	ARE JAPANESE RICE FIELDS THREATENED BY THE NEW INVASIVE ALIEN SPECIES OF TADPOLE SHRIMP (<i>TRIOPS STRENUUS</i> WOLF, 1911) FROM WESTERN AUSTRALIA? Hidetoshi Naganawa (The United Graduate School of Agricultural Science, Gifu University, Japan)
O1-27	THE WIDESPREAD OF THE REDCLAW, CHERAX QUADRICARINATUS IN INDONESIA Yusli Wardiatno (Bogor Agricultural University (IPB), Indonesia)
O1-28	ECOLOGICAL BARRIERS AND AQUATIC ECOSYSTEM ISOLATION - THE EFFECT ON MOSQUITO POPULATIONS AND THEIR NATURAL ENEMIES IN CHIANG MAI CITY, THAILAND Panida Rahong (Environmental Science Program, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand)

October 18 (Conference room 201A)

9:00-10:20 Section 9 "Fisheries 1"

Chair: Kohji Mabuchi (National Institute for Environmental Studies(Lake Biwa Branch Office))

O1-29 THE STATE OF GHANA'S AQUACULTURE PRODUCTION ON THE VOLTA LAKE AT A GLANCE

Isaac Nyameke (Ghana Aquaculture and Fish Network, Ghana)

O1-30 SPATIAL AND TEMPORAL VARIATION OF LENGTH-WEIGHT PARAMETERS AND CONDITION FACTORS OF COMMERCIAL FISH SPECIES IN LAKE NASSER, EGYPT

Walid Aly (WorldFish and National Institute of Oceanography and Fisheries, Egypt)

- O1-31 SAMPLING OF FLUCTUATION FACTORS OF THE POPULATION OF HYPOMESUS NIPPONENSIS IN LAKE KASUMIGAURA AND EARLY-STAGE POPULATION EVALUATION MODEL Fumitaka Tokoro (Ibaraki Fisheries Research Institute, Freshwater Branch office,
- Japan) O1-32 "FISH CONSERVATION AREAS AS A TOOL TO STRENGTHEN FRESHWATER COMMUNITY FISHERIES: PROJECT EXPERIENCE FROM THE TONLE SAP" Pheakdey Sorn (Water and Wetlands Coordiator, IUCN Cambodia, Cambodia)

10:40-11:20 Section 10 "Fisheries 2"

Chair: Kohji Mabuchi (National Institute for Environmental Studies(Lake Biwa Branch Office))

O1-33 APPLICATION OF A MODEL FOR CARRYING CAPACITY FOR AQUACULTURE TO A BIG OVEREXPLOITED LAKE Bardukh Gabrielyan (Scientific Center of Zoology and Hydroecology, Armenia) 01-34 MASS BALANCED MODEL OF LAKE VOLTA FISHERIES: THE USE OF ECOPATH MODEL

Emmanuel Tetteh-Doku Mensah (CSIR-Water Research Institute, Ghana)

14:00-15:20 Section 11 "Conservation, Management and Restoration 1"

Chair: Takehito Yoshida (Research Institute for Humanity and Nature/University of Tokyo)

- O1-35 THE EVALUATION OF THE FULFILMENT OF THE OBLIGATIONS UNDER THE CONVENTION ON BIOLOGICAL DIVERSITY IN THE SOUTH CAUCASUSTHE EVALUATION OF THE FULFILMENT OF THE OBLIGATIONS UNDER THE CONVENTION ON BIOLOGICAL DIVERSITY IN THE SOUTH CAUCASUS Alla Khosrovyan (University of Cadiz, Armenia)
- 01-36 EFFECTS OF ENVIRONMENTALLY-FRIENDLY FARMING ON BIODIVERSITY IN RICE FIELDS

Naoki Katayama (Institute for Agro-Environmental Sciences, NARO, Japan)

- O1-37 RESTORATION OF A METAPOPULATION OF ASTER KANTOENSIS KITAMURA, AN ENDANGERED FLOOD PLAIN PLANT ENDEMIC TO JAPAN Noboru Wada Kuramoto (School of Agriculture, Meiji University, Japan)
- O1-38 A PROPOSED APPLICATION OF TRIBUTARIES FOR AQUATIC PLANT RESTORATION ON THE LAKE BASIN SCALE Masatoshi Denda (Public Works Research Institute, Japan)

15:40-17:00 Section 12 "Conservation, Management and Restoration 2"

Chair: Hiroya Yamano (National Institute for Environmental Studies Center for Environmental Biology and Ecosystem Studies)

- O1-39 MAINSTREAMING BIODIVERSITY INTO INLAND FISHERIES AND AQUACULTURE (WITH SPECIAL FOCUS ON WETLANDS) - SCOPES AND CHALLENGES Rupam Mandal (Centre for Biodiversity Policy and Law (CEBPOL), National Biodiversity Authority, Ministry of Environment, Forest & Climate Change, Chennai, India)
- O1-40 EXAMINATION OF METHODS FOR IMPROVEMENT OF AQUATIC ENVIRONMENT IN THE COASTAL AREAS OF LAKE BIWA USING THE STATE OF BIVALVE POPULATIONS AS AN INDICATOR Eiso Inoue (Shiga Prefecture, Japan)
- O1-41 HABITAT RESTORATION FOR SHIJIMI CLAM USING LOCAL KNOWLEDGE IN THE BRACKISH LAGOON KUGUSHI-KO Yasushi Miyamoto (Fukui Prefectural Satoyama-Satoumi Research Institute, Japan)
- O1-42 SWIMMABLE LAKE KASUMIGAURA BY SATOHAMA MAKING PROJECT Haruki Ito (Kasumigaura Citizens' Association, Japan)

Technical Session 2: Sustainable Use of Freshwater Resources

This session focuses on the sustainable utilization of freshwater resources, delving into discussion of water quantity-related matters such as the regulation functions of river flow and water balance in watersheds; water quality related matters such as pollution and sediment loads from basins; pollution by chemical compounds; eutrophication; and lake management.

Date & Time	October 16 (Tue.) 9:00-17:00
Venue	Tsukuba International Congress Center, Conference room 201A

	Section 1 "Water Resources and Water Quality" hiko Amano (National Institute for Land and Infrastructure Management)
Tosh	iharu Kataoka (Tonegawa-Karyu Integrated Operation and Maintenance Office, Japan Water Agency)
O2-1	WATER PURIFICATION FOR PORTABLE WATER USING BIO-FENCE AROUND NYANZA GULF OF LAKE VICTORIA - RESULTS IN LAVICORD PROJECT - Tomoaki Itayama (Graduate School of engineering, Nagasaki University, Japan)
02-2	IMPROVEMENT OF WATER QUALITY THROUGH THE KASUMIGAURA CONVEYANCE PROJECT IN SAKURAGAWA RIVER, AND LAKE SENBAKO Satoshi Kanai (Kasumigaura Conveyance Work Office, Japan)
TS2-1 Invited Lecture	THE STATE OF THE GLOBAL WATER RESOURCES: HOW SUSTAINABLY DO WE USE THEM? András Szöllősi Nagy (National University for Public Service (NUPS), Hungary)

10:40-12:00 Section 2 "Environmental Change Impacts on Water Resources"

Chairs: Makoto Umeda (Tohoku University)

Kunihiko Amano (National Institute for Land and Infrastructure Management)

O2-3	ASSESSING THREATS TO TRANSBOUNDARY LAKES AND RESERVOIRS Walter Rast (Meadows Center for Water and Environment, Texas State University, Texas USA and ILEC Scientific Committee, Japan, United States of America)
02-4	SENSITIVITY ANALYSIS OF STRUCTURE OF THE STRATIFICATION IN LAKE BIWA BY CHANGING METEOROLOGICAL ELEMENTS Jinichi Koue (Graduate school of Engineering, Osaka University, Japan)
O2-5	SUSTAINABILITY CHALLENGES IN EGYPT UNDER LIMITED AND THREATENED WATER RESOURCES Talaat Tahir El-Gamal (Water Management Research Institute - National Water Research Center, Egypt)
O2-6	CLIMATE ACTION IN LAKES OF <i>HAOR</i> BASIN OF BANGLADESH Sanowar Hossain (Bangladesh POUSH, Bangladesh)

14:00-15:20 Section 3 "Lake Condition and Management"

Chairs: Hiroshi Yajima (Estuary Research Center, Shimane University)

Makoto Umeda (Tohoku University)

TS2-2	RECENT DEVELOPMENT AND CHALLENGES IN THE MANAGEMENT OF WATER
Invited Lecture	CYCLE AND WATER RESOURCES OF A BASIN IN JAPAN

- Tsugihiro Watanabe (Graduate School of Global Environmental Studies, Kyoto University, Japan)
- O2-7 THE LAKE FUND OF RUSSIAN FEDERATION, SPATIAL HETEROGENEITY AND ESTABLISHED TRENDS Anna Izmailova (Institute of Limnology Russian Academy of Sciences, Russia)
- O2-8 INTEGRATED MANAGEMENT APPROACH OF SELANGOR DAM AND EX-MINING POND TO TO MITIGATE EL-NINO EFFECT ON WATER RESOURCES IN SELANGOR, MALAYSIA

Mazlan Bin Idrus (Selangor Waters Management Authority, Malaysia)

15:40-17:00 Section 4 "Watershed Change and Water Resources"

Chairs: Hiroshi Yajima (Estuary Research Center, Shimane University)

Sachio Oguri (Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

- O2-9 IMPACT OF LULC CHANGE ON HYDROLOGICAL RESPONSE IN LAKE MANINJAU CATCHMENT AREA Iwan Ridwansyah (Research center for limnology, Indonesian Institute of Sciences, Indonesia)
 O2-10 SUSTAINABLE DEVELOPMENT OF LOCAL COMMUNITY THROUGH LAKE ECONOMY Mangesh Kashyap (Society for Environment Education Research and Management (SEERAM).Maharashtra, Pune, India)
- O2-11 EFFECT OF SOIL TYPE, SLOPE AND LAND USE CHANGE ON SEDIMENT LOAD IN TONLE SAP LAKE BASINS Michitaka Sato (Tokyo Institute of Technology, Japan)
- O2-12 THE EFFECTS OF CLIMATE CHANGE TO THE MAJOR SURFACE WATER RESOURCES AND TREATMENT FACILITIES IN THE WESTERN PART OF METROPOLITAN MANILA, PHILIPPINES Benjamin Villa (Maynilad Water Services, Inc., Philippines)

Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments

This session discusses lake ecosystems'functions such as water quality purification capacity, primary production, organic matter degradation, sediment oxygen consumption, sediment release, and other matters pertaining to water quality in lake and other lentic environments.

Date & TimeOctober 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-17:00VenueTsukuba International Congress Center, Convention Hall 300 (October 16, October 18),
Conference room 404 (October 18)

October 16 (Convention Hall 300)

9:00-10:20 Section 1 "Water Quality Restoration Technology"

Chair: Ayato Kohzu (National Institute for Environmental Studies)

- O3-1 APPLICATION OF NON-POWERED WATER CIRCULATION SYSTEM USING WIND AND WIND-DRIVEN CURRENT FOR SHALLOW RESERVOIRS Yeoju Jang (University of Science and Technology (UST, KICT school), Korea)
- O3-2 OXYGEN NANOBUBBLE MODIFIED LOCAL SOIL (MLS) TECHNOLOGY FOR SEDIMENT REMEDIATION AND LAKE RESTORATION Gang Pan (Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, Beijing / Nottingham Trent University, UK, China)
- O3-3 REASONABLE SELECTION OF EXPERIMENTAL FIELDS AND EVALUATION METHODS FOR WATER PURIFICATION TECHNOLOGY Tomohiko Yamagishi (Saitama-ken Environmental Analysis & Research Association, Japan)
- O3-4 A FUNDAMENTAL STUDY OF THE BLUE-GREEN ALGAE COUNTERMEASURES BY WASHOUT EFFECT IN LAKES Kakinuma Daiki (Dept. of Civil and Environmental Engineering, Graduate School of

Science and Engineering Chuo University, Japan)

10:40-12:00 Section 2 "Lake Ecosystem Monitoring 1"

- Chair: Motoo Utsumi (University of Tsukuba)
- O3-5 FLOOD PULSE IN A TROPICAL FLOODPLAIN LAKE AND ITS IMPLICATION ON AQUATIC HABITAT DYNAMICS: CASE STUDY IN THE SENTARUM LAKES AREA, KALIMANTAN - INDONESIA Hidayat Hidayat (Research Center for Limnology, Indonesian Institute of Sciences, Indonesia)
 O3-6 DISSOLVED OXYGEN PROFILES AND ITS PROBLEMS AT LAKE MANINJAU, WEST SUMATERA - INDONESIA Luki Subehi (Research Centre for Limnology, Indonesian Institute of Sciences, Indonesia)
 O3-7 THE FORMATION OF THERMOCLINE AND ITS INFLUENCE ON WATER QUALITY AT A SUBAQUEOUS BORROW PIT IN LAKE SOTONASAKAURA Keita Nakagawa (Ibaraki Kasumigaura Environmental Science Center, Japan)
- O3-8 EFFECTS OF THREE GORGES DAM ON SPATIOTEMPORAL DISTRIBUTION OF SILICON IN THE TRIBUTARY: EVIDENCE FROM THE XIANGXI RIVER Yonghong Bi (Institute of Hydrobiology, Chinese Academy of Sciences, China)

14:00-15:20 Section 3 "Lake Ecosystem Monitoring 2"

Chair: Akio Imai (National Institute for Environmental Studies)

TS3-1 THE INTERACTIONS BETWEEN EUTROPHICATION, DAMMING AND CLIMATE Invited Lecture CHANGE ON THE ROLE OF INLAND AQUATIC SYSTEMS IN THE GLOBAL CARBON CYCLE

Yves Prairie (UNESCO Chair in Global Environmental Change, Department of biological Sciences, UQAM, Montreal, Canada)

O3-9	DIETARY UTILIZATION OF CYANOBACTERIA BY FISH COMMUNITIES IN LAKE HACHIRO Megumu Fujibayashi (Akita Prefectural University, Japan)
O3-10	CYANOBACTERIAL CARBON TRANSFER TO HIGHER TROPHIC LEVEL IN EUTROPHIC TAIHU LAKE Xian Cao (Tohoku University, China)
15:40-17:00	Section 4 "Dynamics of Phytoplankton and Water Blooms 1"
Chair: Kanak	o Ishikawa (Lake Biwa Environmental Research Institute)
O3-11	EFFECT OF pH NEUTRALIZATION ON PRIMARY PRODUCER DISTRIBUTION IN ACIDOTROPHIC LAKE INAWASHIRO Kazunori Nakamura (Fukushima Prefectural Centre for Environmental Creation, Japan)
O3-12	DEVELOPMENT OF A BLOOM FORECASTING MODEL FOR <i>MICROCYSTIS</i> IN TSUCHIURAIRI BAY, LAKE KASUMIGAURA, JAPAN Yumi Nagahama (Ibaraki Kasumigaura Environmental Science Center, Japan)
O3-13	WARMING AND EUTROPHICATION EFFECTS ON PHYTOPLANKTON COMMUNITY OF TWO TROPICAL SYSTEMS WITH DIFFERENT TROPHIC STATES - AN EXPERIMENTAL APPROACH Sandra Maria Feliciano Oliveira Azevedo (Instituto de Biofísica Carlos Chagas Filho, Federal University of Rio de Janeiro, Brazil)
O3-14	EVALUATION OF THE DEGRADATION FUNCTION OF MICROCYSTIN-LR ON SEDIMENT COLLECTED FROM ISAHAYA NEW POND AND ISAHAYA BAY Kakeru Ruike (Foundation for Advancement of International Science, Japan)
October 18 (Convention Hall 300)
9:00-10:20	Section 5 "Dynamics of Phytoplankton and Water Blooms 2"
Chair: Noriko	Tomioka (Center for Regionnal Environmental Research, National Institute for Environmental Studies)
O3-15	INFLUENCE OF ENVIRONMENTAL FACTORS ON CYANOBACTERIAL BIOMASS AND MICROCYSTINS CONCENTRATION IN THE DAU TIENG RESERVOIR, VIETNAM Luu Thanh Pham (Institute of Tropical Biology, Vietnam Academy of Science and Technology, Viet Nam)
O3-16	LIMNOLOGICAL CHARACTERISTICS, EUTROPHICATION AND CYANOBACTERIAL DOMINANCE IN THREE UGANDAN NATIONAL PARK SHALLOW LAKES William Okello (National Fisheries Resources Research Institute (NaFIRRI), Uganda)
O3-17	PROPERTIES OF CYANOBACTERICIDAL BACTERIA AND GROWTH INHIBITING BACTERIA ASSOCIATED WITH WATERWEEDS AGAINST <i>DOLICHOSPERMUM</i> <i>CRASSUM</i> (CYANOPHYCEAE) CAUSING MUSTY ODOUR PROBLEM IN DRINKING WATER
O3-18	Taketoshi Shimizu (Water Quality Laboratory, Kobe City Water Works Bureau, Japan) "ECOSYSTEM HEALTH ASSESSMENT OF POWAI LAKE, MUMBAI, INDIA" Pramod Bhagwan Salaskar (Dr M.S. Kodarkar Field Station, Powai Lake, Mumbai, India)



10:40-12:00 Section 6 "Effect of Climate Change"

Chair: Kazuya Shimizu (University of Tsukuba)

O3-19	THE INFLUENCE OF EUTROPHICATION ON METHANE PRODUCTION AND ITS POTENTIAL AS A CARBON SOURCE FOR ZOOPLANKTON Michal Rybak (Department of Water Protection, Institute of Environmental Biology, Faculty of Biology, Adam Mickiewicz University, Poznań, Poland)
O3-20	LONG-TERM VARIATION OF CO2 FLUX AND THE CONTROLLING FACTORS IN ASIA'S LARGEST BRACKISH WATER SYSTEM, CHILIKA LAKE Pradipta Ranjan Muduli (CHILIKA DEVELOPMENT AUTHORITY, WETLAND RESEARCH AND TRAINING CENTER, India)
03-21	REGIME SHIFT ANALYSIS FOR UNDERSTANDING THE WATER QUALITY DYNAMICS IN LAKE KASUMIGAURA Ayato Kohzu (Center for Regional Environmental Research, National Institute for Environmental Studies, Japan)
03-22	A STUDY OF THE FACTORS OF THE CHANGE OF WATER QUALITY AND THE VERTICAL CIRCULATION OF ALL LAYERS IN LAKE IKEDA Daisuke Oba (Kagoshima Prefectural Institute of Environmental Research and Public Health, Japan)

14:00-15:20 Section 7 "Dynamics of Organic Matter"

Chair: Akio Imai (National Institute for Environmental Studies)

TS3-2 Invited Lecture	A UNIQUE MICROBIAL LOOP IN THE HYPOLIMNION OF LAKE BIWA WITH SPECIAL REFERENCE TO LONG-TERM CHANGES IN WATER QUALITY Shin-ichi Nakano (Center for Ecological Research, Kyoto University, Japan)
O3-23	STUDY ON SIMILARITY OF COD FLUCTUATION IN LAKE KASUMIGAURA AND LAKE TEGANUMA Daiki Terashima (Graduate School of Science and Engineering, Chuo Univesity, Japan)
O3-24	ASSESSMENT OF ORGANIC MATTER INDICATORS IN LAKE BIWA Kazuhide Hayakawa (Lake Biwa Environmental Research Institute, Japan)
15:40-17:00	Section 8 "Sediment and Primary Production"
Chair: Kazuł	nide Hayakawa (Lake Biwa Environmental Research Institute)
O3-25	ANALYSIS ON SEDIMENTARY MECHANISM OF ORGANIC MATTER IN THE COASTAL AREA OF LAKE IZUNUMA Munehiro Nomura (Graduate School of Engineering, TOHOKU University, Japan)
O3-26	NUTRIENTS AND MOLAR C:N:P RATIOS IN SURFACE SEDIMENTS OF THE SONGKHLA LAGOON SYSTEM IN SOUTHERN THAILAND Vachira Lheknim (Department of Biology, Prince of Songkla University, Thailand)
O3-27	PHYTOPLANKTON COMMUNITIES AND WATER QUALITY CHARACTERISTICS IN LAKE PALDANG, SOUTH KOREA Jongkwon Im (Han River Environment Research Center, National Institute of Environmental Research, Korea)

October 18 (Conference room 404)

9:00-10:20 Section 9 "Behavior and Countermeasure of Hazadous Chemicals"

Chair: Zin'Ichi Karube (Department of Biotechnology and Chemistry, Faculty of Engineering, Kindai University)

- O3-29 DEGRADATION OF BISPHENOLS IN THE *PHRAGMITES AUSTRALIS* RHIZOSPHERE Miki Nakai (University of Osaka, Japan)
- O3-30 DETERMINATION OF CHELATORS IN LAKE WATER USING ULTRA-PERFORMANCE LIQUID CHROMATOGRAPHY/QUADRUPOLE TIME-OF-FLIGHT MASS SPECTROMETRY Sohag Miah (Graduate School of Natural Science and Technology, Division of

Material Chemistry, Kanazawa University, Bangladesh)

- O3-31 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 Saroja Kumar Barik (Dept. of Chemistry, School of Applied Sciences, KIIT, Deemed to be University, India)
- O3-32 CHARACTERISTIC OF THE PHOTOCHEMICAL RELEASE OF PHOSPHATE FROM RESUSPENDED SEDIMENTS UNDER SOLAR IRRADIATION Xiaolu Li (Huazhong Agricultural University, China)

10:40-12:00 Section 10 "Water Quality Monitoring 1"

Chair: Qintong Li (Department of Applied Biosciences, Faculty of Life Sciences, Toyo University)

- O3-33 SPATIO-TEMPORAL VARIABILITY OF WATER QUALITY IN A LARGE SHALLOW LAKE IN SOUTHEAST ASIA: TONLE SAP LAKE, CAMBODIA Sok Ty (Institute of Technology of Cambodia, Cambodia)
- O3-34 STATUS OF BIOLOGICAL WATER QUALITY OF MAIN RIVERS CONNECTED TO TONLE SAP LAKE, CAMBODIA Porsry Ung (Institute of Technology of Cambodia / Tokyo Institute of Technology, Cambodia)
- O3-35 SURVIVAL OF ESCHERICHIA COLI K12 AND DETECTION OF ANTIBIOTIC-RESISTANT BACTERIA IN TONLE SAP, MEKONG AND BASAC RIVERS Reasmey Tan (Institute of Technology of Cambodia, Cambodia)
- O3-36 TEMPORAL DYNAMICS OF WATER QUALITY IN TONLE SAP LAKE IN KAMPONG LOUNG, CAMBODIA, BASED ON HISTORICAL DATA Marith Mong (Institute of Technology of Cambodia, Cambodia)

14:40-15:20 Section 11 "Water Quality Monitoring 2"

Chair: Koji Hirose (Ibaraki Kasumigaura Environmental Science Center)

- O3-37 LONG-TERM TEMPORAL VARIATION IN LAKE INAWASHIRO WATER QUALITY Takayuki Satou (Fukushima Prefectural Centre for Environmental Creation, Japan)
- O3-38 WATER QUALITY OF FIVE SELECTED LAKES IN SOUTHERN LUZON, PHILIPPINES Khristine Laguador Sandoval (Centro Escolar University-Manila, Philippines)

15:40-17:00 Section 12 "Various Issues Associated with Lake Ecosystem"

Chair: Kazuhiro Komatsu (National Institute for Environmental Studies)

O3-39	GENOMIC ANALYSIS OF TWO ODORIFEROUS STREPTOMYCES SP. ISOLATED FROM TROPICAL FRESHWATER OF SOUTHEAST ASIA PROVIDE AN INSIGHT INTO THE IDENTIFICATION OF POTENTIAL TEMPERATURE SENSOR Nurul Syahirah Shamsol Anuar (University of Tsukuba, Malaysia)
O3-40	EUTROPHICATION MAPPING OF LOWLAND LAKES IN NEPAL Prava Pandey (National Lake Conservation Development Committee/Ministry of Culture, Tourism and Civil Aviation, Nepal)
O3-41	LAKES OF THE CHERNOBYL EXCLUSION ZONE: THE EFFECTS OF LONG-TERM RADIATION EXPOSURE ON AQUATIC BIOTA Dmitri Gudkov (Institute of Hydrobiology, Ukraine)
03-42	ABUNDANCE OF CILIATED PROTOZOANS IN A TROPICAL LAKE: THE CASE OF LAKE LANAO, PHILIPPINES Camar Pauti Ameril (Mindanao State University-Marawi City, Philippines)

Technical Session 4: Lakeside History and Culture

This session focuses on the wide variety of the roles that lakes play in regard to such topics as history, culture, lifestyles, tourism, and recreation.

Date & Time October 16 (Tue.) 9:00-17:00

Venue Tsukuba International Congress Center, Conference room 404

9:00-10:20 Section 1 "Activities and Conservation of Riparian Areas"

Chair: Hironobu Wakatsuki (Department of Business Administration, Kinjo College)

TS4-1 Invited Lecture	TESHI-O-PET IN HOKKAIDO IS A SANCTUARY FOR CANOES Takaharu Kusano (Teshi-o-pet Non-Political Organization, Japan)
O4-1	PROMOTING BICYCLE TOURISM BASED AROUND LAKES ~THE SHIGA PREFECTURAL GOVERNMENT'S EFFORTS AROUND BIWAICHI AND THE COOPERATION BETWEEN LAKES KASUMIGAURA, BIWA AND HAMANA~ Seiji Tsuda (Shiga Prefecture, Japan)
O4-2	EFFORTS AIMED AT THE REGISTRATION OF THE RAMSAR CONVENTION IN TAM GIANG LAGOON, CENTRAL VIETNAM
	Yukihiro Hirai (Department of Geography, Komazawa University, Japan)
10:40-12:00) Section 2 "The History and Citizens' Activities Around Kasumigaura"
Chairs: Atsu	ishi Numazawa (Kasumigaura Citizens' Assosiation)
Hiro	shi Nagai (Ibaraki Prefectural Archives and Museum)
O4-3	ENVIRONMENTAL CHANGES AND HUMAN ACTIVITIES DURING JOMON PERIED AROUND LAKE KASUMIGAURA
	Tsubasa Kamei (Tsuchiura archaeology museum / Mt. Tsukuba Area Geopark Promotion council, Japan)
O4-4	NEVER-ENDING PROVINCE WHERE KASUMIGAURA SUPPORTS SYMBIOSIS BETWEEN PEOPLE AND THE RICH NATURAL ENVIRONMENT Takashi Chiba (kasumigaura city museum of history curator, Japan)

- O4-5 WATER FRONT INTERCHANGE "THE CITIZENS' FESTIVAL FOR SWIMMABLE LAKE KASUMIGAURA" Kazuo Ichimura (Kasumigaura Citizens' Association, Japan)
 O4-6 LET'S RIDE IN CYCLING PARADISE "IBARAKI"! - "TSUKUBA KASUMIGAURA RING RING ROAD" CYCLING EVENTS PRACTICE REPORT -Koichi Harigae (HMB Outdoor Club, JAPAN Lake Kasumigaura Cycling Team, Japan)
- 14:00-15:20 Section 3 "The Sustainable Tourism Community Planning"

Chair: Kentaro Tamino (Faculty of Heaith & Sport Sciences, Ryutsu Keizai University)

TS4-2	THE SUSTAINABILITY OF RELATIONSHIPS BETWEEN THE LAKE REGIONS
Invited Lecture	AND TOURISM
	Katsumi Yasumura (Otemon Gakuin University, Japan)

- O4-7 DIVERSIFICATION OF USES AND ADJUSTMENT PROBLEMS OF INLAND WATER: A CASE STUDY OF UPPER YOSHINO RIVER Sachiko Harada (Mie University, Japan)
- O4-8 A STUDY OF THE WATER PASSING CAPACITY IN TAMAGAWA JOSUI BY FIELD OBSERVATION AND HYDRAULIC ANALYSIS Mayuko Shinzawa (Graduate School of Science and Engineering, Chuo University, Tokyo, Japan)
- 15:40-17:00 Section 4 "Water System and Life Culture in Asia"
- Chairs: Satoshi Nagano (College of Social Sciences, Ritsumeikan University)

Ping Yang (LAKE BIWA MUSEUM)

- O4-9 DHANMONDI LAKE: A CULTURAL ASSIMILATION OF THE CITY DWELLERS Md Golam Rabbi (Nature Conservation Society, Bangladesh)
- 04-10 IMPACT OF CLIMATE CHANGE ON THE FOLK CULTURE OF HAOR BASIN IN BANGLADESH

Tapas Ranjan Chakraborty (Jahangirnagar University, Bangladesh)

- O4-11 MANAGEMENT OF MANGROVE FRINGED KOGGALA LAGOON FOR SUSTAINABLE LIVELIHOOD DEVELOPMENT - CASE STUDY IN SRI LANKA Indika Rohan Palihakkara (Department of Crop Science, Faculty of Agriculture, University of Ruhuna, Sri Lanka)
- O4-12 THE SUSTAINABLE APPROACH TO CONSERVE THE RELIGIOUS WATER BODIES IN WESTERN PART OF INDIA Nagesh Shankarrao Tekale (Navdrushti, Mumbai, India)

Technical Session 5: Regional Activities and Matter Cycles

This session discusses the nitrogen and phosphorus cycle, and the dynamics of chemical substances, with a focus on how human activities can impact the material cycle in lakes and their basins.

Date & Time	October 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-16:40
Venue	Tsukuba International Congress Center, Conference room 202A
October 16

9:00-10:20 Section 1 "Stable Isotope Ratio"

Chair: Kazuya Nishina (National Institute for Environmental Studies)

TS5-1	TRACING NUTRIENT SOURCES CONTRIBUTING TO HARMFUL ALGAL BLOOMS
Invited Lecture	AND OTHER ECOLOGICAL PROBLEMS IN AQUATIC SYSTEMS USING A MULTI-
	ISOTOPE APPROACH
	Carol Kendall (U. S. Geological Survey, United States)

O5-1 IDENTIFICATION OF NITRATE SOURCES IN GROUNDWATERS OF SILANG-STA. ROSA SUBWATERSHED: TOWARDS THE WATERSHED GOVERNANCE Osbert Leo Alcantara Privaldos (Laguna Lake Development Authority, National Ecology Center / Institute of Chemistry, University of the Philippines, Philippines)

O5-2 IDENTIFYING SOURCES OF GROUNDWATER NITRATE USING δ¹⁵N_{NO3} AND δ¹⁸O_{NO3}
 VALUES IN HOKOTA RIVER WATERSHED, IBARAKI, JAPAN
 Saeko Yada (Institute for Agro-Environmental Sciences, NARO, Japan)

10:40-12:00 Section 2 "Nitrogen Contamination and Ammonia Volatilization"

Chair: Motoko Shimura	(Western Region Agricultural Research Center, National Agriculture and
	Food Research Organization)

O5-3	REGIONAL MONITORING NETWORK IN ATMOSPHERIC AMMONIA
	CONCENTRATION IN KASUMIGAURA-BASIN IN IBARAKI, JAPAN
	Genki Katata (Ibaraki University, Japan)

- O5-4 LOCAL-SCALE SPATIAL DISTRIBUTION OF ATMOSPHERIC AMMONIA CONCENTRATION AND DEPOSITION AROUND A CATTLE FEEDLOT Tomohiro Kubota (Ibaraki University Graduate School of Agriculture, Japan)
- O5-5 STATUS OF NITRATE POLLUTION IN GROUNDWATER OF THE TOMOE AND HOKOTA RIVER BASINS (IBARAKI, JAPAN) AND ITS CAUSES Tetsuro Kikuchi (Ibaraki Kasumigaura Environmental Science Center, Japan)
- O5-6 APPLICABILITY OF THE VIRTUAL NITROGEN FACTOR (VNF) OF NITROGEN FOOTPRINT CALCULATION AS AN INDEX OF NITRATE LEACHING IN DIFFERENT HORTICULTURAL CROPS Takeru Gonai (Horticultural Research Institute, Ibaraki Agricultural Center, Japan)
 - Takeru Gonai (Horticulturai Research Institute, Ibaraki Agriculturai Center, Japa
- 14:00-15:20 Section 3 "Water Purification Measures"

Chair: Tasuku Kato (Tokyo University of Agriculture and Technology)

- O5-7 UTILIZATION OF COVER CROPS FOR SOIL AND WATER CONSERVATION Yingting Gong (University of Ibaraki, Japan)
- O5-8 IMPROVEMENT OF NITROGEN REMOVAL RATE ESTIMATION METHOD FOR WETLANDS FOCUSED ON TEMPERATURE FACTORS Xiaolan Lin (The United Graduate School of Agricultural Science, Tokyo University of Agriculture and Technology, Japan)
- O5-9 VERIFICATION OF A SIMPLE WATERSHED LAND-USE MODEL TO ESTIMATE THE NET NUTRIENT LOADS FROM NON-POINT SOURCES TO RIVERS Seiko Yoshikawa (Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization, Japan)

- O5-10 EVALUATION OF NUTRIENT LOAD REDUCTION BY PRECISION WATER MANAGEMENT FROM PADDY FIELD IN LAKE INBANUMA WATERSHED Koshi Yoshida (Ibaraki University, Japan)
- 15:40-17:00 Section 4 "Circulation Irrigation and New Agricultural Technology"
- Chair: Koshi Yoshida (Ibaraki University)
- O5-11 ANALYSIS OF WATER AND NUTRIENT MOVEMENT IN A CYCLIC IRRIGATION SYSTEM TO PADDY FIELDS Takahiro Ishikawa (Department of Biological and Environmental Engineering, Japan)
- O5-12 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
- Tasuku Kato (Tokyo University of Agriculture and Technology, Japan) O5-13 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

Yoshisada Nagasaka (NARO Tohoku Agricultural Research Center, Japan)

O5-14 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 Tadashi Kondo (Akita Prefectural University, Japan)

October 18

- 9:00-10:20 Section 5 "Forest Management"
- Chair: Sadao Eguchi (Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization)

TS5-2 Invited Lecture	FROM LEAVES TO LAKES: REVEALING THE NITROGEN DYNAMICS USING STABLE ISOTOPE TECHNIQUES Nobuhito Ohte (Biosphere Informatics Laboratory, Department of Social Informatics, Graduate School of Informatics, Kyoto University, Japan)
O5-15	FORMULATION OF FOREST MAINTENANCE GUIDELINES FROM THE VIEWPOINT OF CONSERVATION AND REGENERATION OF LAKE BIWA Osamu Tanaka (Shiga Prefecture, Japan)

05-16 SOIL ENVIRONMENTAL CONDITION AND VEGETATION RECOVERY OF THE ABANDONED CROPLAND AROUND KOMADO-SHITSUGEN MOOR, FUKUSHIMA PREFECTURE

Nobuo Sakagami (College of Agriculture, Ibaraki University, Japan)

10:40-12:00 Section 6 "Phosphorus Cycle"

Chair: Masaru Yamaoka (National Agriculture and Food Research Organization)

- 05-17 PHOSPHORUS RUNOFF LOADS FROM PADDY FIELDS AND FORESTED WATERSHEDS IN SENGARI RESERVOIR BASIN Masayuki Fujihara (Graduate School of Agriculture, Kyoto University, Japan)
- O5-18 OBSERVATION AND MODELING OF PHOSPHORUS RUNOFF LOADS FROM SENGARI RESERVOIR BASIN Junichiro Takeuchi (Graduate School of Agriculture, Kyoto University, Japan)
- O5-19 THE SECULAR CHANGE OF PHOSPHORUS CONTENT IN SEDIMENT OF LAKE SUWA Yutaka Ichikawa (Shinshu University, Japan)
- O5-20 CHEMICAL SPECIES AND BIOAVAILABILITY OF PARTICULATE PHOSPHORUS FROM SOILS Haruka Adachi (Tokyo University of Agriculture and technology, Japan)
- 14:00-15:20 Section 7 "Biomass"

Chair: Tomijiro Kubota (National Agriculture and Food Research Organization)

- O5-21 FORMULATION OF MULTIPLE 'RESOURCES-FROM-BIOWASTE SYSTEM' MODELS BASED ON SUBCRITICAL WATER REACTOR Jun Matsushita (Professor, R/D Initiatives of Chuo University, Japan)
 O5-22 WATER QUALITY CONSERVATION BY CIRCULATIVE USE OF BIOMASS Yoshito Yuyama (National Agriculture and Food Research Organization, Japan)
 O5-23 DEVELOPMENT OF SLUDGE REDUCTION SYSTEM USING AQUATIC PLANT BIOMASS Yukiyo Yamasaki (Public Works Research Institute, Japan)
 O5-24 NITROGEN MINERALIZATION IN PADDY SOIL TREATED WITH THE SLUDGE FROM LOW-TEMPERATURE ANAEROBIC DIGESTION Masato Nakamura (National Agriculture and Food Research Organization, Japan)
- 15:40-16:40 Section 8 "Chemical Substances"
- Chair: Hisao Kuroda (Ibaraki University)
- O5-25 RISK ASSESSMENT OF PERSISTENT ORGANIC POLLUTANTS IN A SMALL CATCHMENT Maoheng Zhang (Nanjing Normal University, China)
- 05-26 LONG TERM MONITORING OF RADIOCESIUM IN SOYBEAN FIELD, LAKE KASUMIGAURA BASIN

Peiran Li (Collage of Agriculture, Ibaraki University, Japan)

O5-27 THE DISTRIBUTION OF ANTIBIOTIC-RESISTANT BACTERIA IN EUTROPHIC LAKE KASUMIGAURA AND NEIGHBORING AGRICULTURAL FIELDS Momo Yayou (Ibaraki University, Japan)

Technical Session 6: Monitoring Based on Scientific Knowledge

This session focuses on lake and river water quality and ecosystem monitoring techniques, discussing new knowledge-based techniques and the supporting advanced technologies and analytical practices utilized.

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Date & Time	October 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-17:00
Venue	Tsukuba International Congress Center, Conference room 303

October 16

Japan)

October 16	
9:00-10:20	Section 1 "Environmental Monitoring"
Chair: Keigo	Nakamura (River Restoration Team, Water Environment Research Group, PUBLIC WORKS RESEARCH INSTITUTE)
O6-1	WEB APPLICATION FOR EXAMINING HYDROCLIMATE INFORMATION OF GLOBAL LAKE BASINS: CGLB USING A LATEST WORLD LAKE DATABASE Tosiyuki Nakaegawa (Meteorological Research Institute, Japan)
O6-2	ENVIRONMETRIC TECHNIQUES FOR SPATIO-TEMPORAL HYDROCHEMICAL CHARACTERIZATION AND POLLUTION SOURCE IDENTIFICATION OF THE DAL LAKE, KASHMIR HIMALAYA, INDIA Shakil Romshoo (University of Kashmir, India)
O6-3	USING MULTIMETRIC BENTHIC MACROINVERTEBRATE INDEX FOR THE ASSESSMENT OF RIVER HEALTH IN THAILAND Chotiwut Techakijvej (Environmental Science Program, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand)
O6-4	ENVIRONMENTAL MONITORING AND ECOTOXICOLOGY FOR TROPICAL ENVIRONMENT: STANDARD AND APPLICATION IN MEKONG RIVER COUNTRIES Chuleemas Boonthai Iwai (Khon Kaen University, Thailand)
10:40-12:00	Section 2 "Analysis of Long-Term Monitoring Data"
Chair: Hiroal	ki Tanaka (Research Center for Environment Quality Management, Graduate School of Engineering, Kyoto University)
TS6-1 Invited Lecture	LAKE MASHU - HOW WE REVEALED ENVIRONMENTAL RECORDS FROM A SENSITIVE AND STABLE LAKE
	Atsushi Tanaka (National Institute for Environmental Studies, Japan)
O6-5	STUDY ON PERIODIC VARIATIONS OF WATER QUALITY IN BRACKISH LAKE HINUMA
	Shunichi Matsumoto (Ibaraki Kasumigaura Environmental Science Center, Japan)
O6-6	MIXING PROCESSES ASSOCIATED WITH HYPOXIA IN LAKE KASUMIGAURA Eiji Masunaga (Center for Water Environment Studies, Ibaraki University, Japan)
14:00-15:20	Section 3 "Measurement Method"
Chair: Hiroal	ki Tao (National Institute of Advanced Industrial Science and Technology (AIST))
O6-7	MAINTAIN-LESS AND SENSITIVE METHODS FOR ANALYSIS OF WATER-QUALITY UTILIZING REAGENT-FREE PHOTOCHEMICAL REACTIONS Tetsuya Nakazato (National Institute of Advanced Industrial Science and Technology,

O6-8	GRAPHENE-BASED ELECTROCHEMICAL SENSOR AS A MICROCYSTIN-LR DETECTION TOOL IN WATER Hiroaki Furumai (The University of Tokyo, Japan)						
O6-9	RIVER LEVEL MONITORING BY CRISIS MANAGEMENT TYPE WATER LEVEL GAUGE Kazuo Tsutsui (HItachi,Ltd., Japan)						
O6-10	ESTIMATION OF SECCHI DISK DEPTH IN LAKE KASUMIGAURA FROM MERIS Dalin Jiang (Graduate School of Life and Environmental Sciences, University of Tsukuba, China)						
15:40-17:00	Section 4 "Monitoring Lakes by Remote Sensing"						
Chair: Bunke	i Matsushita (Faculty of Life and Environmental Sciences, University of Tsukuba)						
O6-11	LAKE OBSERVATION BY "SHIKISAI"						
	Hiroshi Murakami (Japan Aerospace Exploration Agency, Japan)						
O6-12	IN-SITU HYPERSPECTRAL REMOTE SENSING FOR WETLANDS CONDITION ASSESSMENT - A CASE STUDY OF AN INLAND WETLAND Jk Garg (University School of Environment Management, GGS Indraprastha University, India)						
O6-13	DEVELOPMENT, PROVISION AND UTILIZATION OF THE LAKE DATASETS Yoshinori Numata (Geospatial Information Authority of Japan, Ministry of Land, Infrastructure, Transport and Tourism, Japan)						
O6-14	LONG-TERM MONITORING OF LAKE SURFACE AREA CHANGE IN INDONESIA FROM GLOBAL SURFACE WATER DATA Rossi Hamzah (Graduate School of Life and Environmental Sciences, University of Tsukuba, Tsukuba, Ibaraki / Indonesian National Institute of Aeronautics and Space, Jakarta, Indonesia)						
October 18							
9:00-10:20	Section 5 "Monitoring of Human Impacts"						
Chair: Keigo	Nakamura (River Restoration Team, Water Environment Research Group, PUBLIC WORKS RESEARCH INSTITUTE)						
O6-15	MONITORING RADIO-CESIUM CONTAMINATION OF MOUNTAIN STREAM FISH AND ESTIMATING ¹³⁷ CS ACCUMULATION RATES OF THE FISH BY MARK- RECAPTURE EXPERIMENTS IN THE EVACUATION INSTRUCTION AREAS, FUKUSHIMA PREF Mika Tarui (Center for Water Environment Studies, Ibaraki University, Japan)						
O6-16	EVALUATION OF ANTHROPOGENIC IMPACTS ON RESERVOIR WATER QUALITY: A CASE STUDY IN A RESERVOIR CATCHMENT IN SOUTHERN TAIWAN Wan-Ru Chen (Department of Environmental Engineering, National Cheng Kung University, Tainan, Taiwan)						
O6-17	INVESTIGATION OF THE SOURCE OF E.COLI IN THE SOUTHERN PART OF LAKE BIWA Masaru Ihara (Kyoto University, Japan)						

06-18 ESTIMATION WITH TIME SPREAD OF DISSOLVED OXYGEN DEFICIENCY IN AQUATIC ENVIRONMENTS BASED ON DISSOLVED METHANE AND NITROUS OXIDE MEASUREMENTS

Yuzuru Kimochi (Center for Environmental Science in Saitama, Japan)

10:40-12:00 Section 6 "Monitoring of Emerging Pollutants"

Chair: Hiroaki Tao (National Institute of Advanced Industrial Science and Technology (AIST))

O6-19 SOURCE ESTIMATION OF VETERINARY DRUGS IN YODO RIVER WATERSHED, JAPAN

Seiya Hanamoto (Research Center for Environmental Quality Management, Graduate School of Engineering, Kyoto University, Japan)

06-20 IMPACTS OF SEDIMENT SUPPLY FROM A DAM RESERVOIR ON HEAVY METALS CONCENTRATIONS IN DOWNSTREAM RIVER WATER Yuji Suzuki (Public Works Research Institute, Japan)

TS6-2 INTEGRATED DATA, MODELS AND NETWORKS PROVIDE OPPORTUNITIES TO Invited Lecture ADVANCE LAKE SCIENCE AND PREDICTIONS David Hamilton (Australian Rivers Institute, Griffith University, Australia)

14:00-15:20 Section 7 "Data Analysis and Modeling"

Chair: Ichiro Embutsu (Hitachi, Ltd.)

- 06-21 RECENT PROGRESS OF AN ADVANCED ECO-HYDROLOGIC AND BIOGEOCHEMICAL COUPLING MODEL IN TERRESTRIAL-AQUATIC CONTINUUM Tadanobu Nakayama (National Institute for Environmental Studies, Japan)
- O6-22 IMPACT OF CLIMATE CHANGE ON CHANGES IN RIVER WATER TEMPERATURE SIMULATED WITH SIPHER MODEL IN TAKASAKI RIVER BASIN, CHIBA, JAPAN Rajendra Khanal (Department of Civil and Environmental Engineering, Tokyo Institute of Technology / Research Center for Water Environment Technology, the University of Tokyo, Nepal)
- 06-23 ASSESSMENT OF STREAM FLOW USING SOIL AND WATER ASSESSMENT TOOL (SWAT) IN LOKTAK LAKE CATCHMENT

Ritesh Sikka (Water Management, Wetlands International South Asia, India)

- O6-24 DEVELOPING A MODEL FOR ESTIMATING SECCHI DISK DEPTH USING LANDSAT TM AND ETM+ IN INDONESIAN LAKES Fajar Setiawan (Graduate School of Life and Environmental Sciences, University of Tsukuba, Tsukuba, Ibaraki / Research Centre for Limnology, Indonesian Institute of
- 15:40-17:00 Section 8 "Dynamics of Plankton and Dissolved Organic Matter"

Chair: Shin-Ichi Nakano (Center for Ecological Research, Kyoto University)

Sciences (LIPI), Bogor, West Java, Indonesia)

O6-25 RELATIONSHIP BETWEEN WATER QUALITY AND PHYTOPLANKTON SUCCESSION IN LAKE BIWA ANALYZED BASED ON THE PEG MODEL Shohei Ikeda (Shiga Prefecture, Japan)

O6-26 VIRAL HOT SPOT IN LAKE BIWA, JAPAN Shang Shen (Kyoto University, Japan)

O6-27	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
	Chih-Hua Chang (Department of Environmental Engineering, National Cheng Kung
	University, Taiwan)
O6-28	COOPERATION FOR STUDY NON-BIODEGRADABLE ORGANIC MATTER IN THE
	LAKE BIWA-YODO RIVER WATERSHED
	Keiko Wada (Institute of Water Environmental Research, Lake Biwa-Yodo River Water
	Quality Preservation Organization, Japan)

Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services

This session discusses various countermeasures and technology to harness ecosystem services sustainably in the future. They include structural and non-structural measures such as effluent regulation, domestic wastewater control, control of wastes from agriculture and livestock, runoff quality control, technologies for water purification and wastewater treatment, in-lake restoration technology, and economic incentive measures.

Date & Time October 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-17:00

Venue Tsukuba International Congress Center, Conference room 406

October 16

9:00-10:20 Section 1 "Monitoring and Restoration of Lake Water Environment"

Chair: Hiroaki Furumai (The University of Tokyo)

TS7-1 Invited Lecture	RESTORATION OF LOCH LEVEN: SUSTAINING ECOSYSTEM SERVICES Brian D'arcy (Independent environmental consultant, & Partner C&D Associates LLP Co-founder consulting gateway, United Kingdom)					
07-1	THE WATER QUALITY OF LAKE KASUMIGAURA AS WATER SOURCE Maki Asami (Ibaraki Prefectual Public Enterprise Bureau, Japan)					
07-2	DEMONSTRATION FACILITY FOR PURIFICATION OF LAKE KASUMIGAURA ADOPTING FLOCCULATION AND MAGNETIC SEPARATION SYSTEM Hideyuki Watanabe (Hitachi, Ltd., Japan)					
10:40-12:00	Section 2 "Ecosystem Service"					
Chair: Hitosł	ni Tanaka (Center for Environmental Science in Saitama)					
07-3	VALUE-CHAIN ANALYSIS - AN ASSESSMENT APPROACH TO ESTIMATE LAKE NASSER FISHERIES PERFORMANCE Ahmed Mohamed Nasr-Allah (WorldFish, Egypt)					
07-4	CONSERVATION FOR LAKE ECOSYSTEM THROUGH SUSTAINABLE UTILIZATION OF AQUATIC WEEDS Syuhei Ban (University of Shiga Prefecture, Japan)					
07-5	ASSESSMENT OF THE FRESH WATER ECOSYSTEM SERVICES OF RESERVOIRS/ HPP DAMS IN THE KURA-ARAS RIVER BASIN Rovshan K Abbasov (Environmental Research Centre, Khazar University, Azerbaijan)					

O7-6 CLIMATE CHANGE IMPACT ASSESSMENT ON ECOSYSTEM SERVICES OF WEST LAKE, HANOI CAPITAL AND SUGGETION A SYSTEM OF MITIGATION AND ADAPTATION MEASURES Mai Huong Doan (Department of Ecology, Faculty of Biology, VNU Hanoi University of Science, Viet Nam)

14:00-15:20 Section 3 "Ecotoxicity"

Chair: Haruna Watanabe (Center for Health and Environmental Risk Research, National Institute for Environmental Studies)

- O7-7 WHICH OF ZEBRAFISH OR JAPANESE MEDAKA IS SUITABLE FOR THE WET TEST FOR THE EVALUATION OF SEWAGE EFFLUENT? Satomi Mizukami Murata (Public Works Research Institute, Japan)
- O7-8 EFFECTS OF SEDIMENT AND WATER QUALITY ON ANTIOXIDANT RESPONSE OF BRACKISH BIVALVE CORBICULA JAPONICA Preeti Pokhrel (Major in Social Infrastructure System Science, Ibaraki University, Nepal)
- O7-9 THE EFFECTS OF NATURAL AND ANTHROPOGENIC WATER QUALITY FACTORS ON SCOPE FOR GROWTH OF BRACKISH WATER BIVALVE *CORBICULA JAPONICA* Sayaka Mashiko (Ibaraki University / IDEA Consultants, Inc., Japan)
- O7-10 SEDIMENTATION TREATMENT OF BLUE-GREEN ALGAE BY EXTRACT FROM STEELMAKING SLAG Yutaro Natsuaki (Graduate School of Sustainability Science, Tottori University, Japan)

15:40-17:00 Section 4 "Water Treatment"

Chair: Kazuhiro Komatsu (National Institute for Environmental Studies)

07-11	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	Shunsuke Takaya (Ibaraki Public Enterprise Bureau, Japan) DEMONSTRATION EXPERIMENT OF NEW WATER TREATMENT SYSTEM BY
07-12	TAKING LAKE KASUMIGAURA WATER (II)
	-EXAMINATION OF CHARACTERISTICS OF MAGNETIC ION EXCHANGE RESIN- Masahiko Shiba (Ibaraki Public Enterprise Bureau, Japan)
07-13	DEVELOPMENT OF THE ADVANCED ON-LINE UF DEFFERENTIAL PRESSURE PREDICTION SYSTEM
	Kazuki Hagawa (Toray Industries, Inc. Water Treatment Technical Dept., Japan)
07-14	PROCESS, ORGANIZATIONAL, AND OPERATIONAL DEVELOPMENTS IN PUTATAN WATER TREATMENT PLANT 1 FROM 2015 TO 2017 Aaron S. Cornista (Maynilad Water Services, Inc., Philippines)

October 18

9:00-10:20 Section 5 "Conservation and Pollution Controll"

Chair: Ikuro Kasuga (The University of Tokyo)

TS7-2	A PERSPE	CTIVE O	N WATEF	ENVIRO	NMENT MAP	AGEM	ENT IN JAPANESE	Ξ
Invited Lecture	LAKES							
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Mitsumasa Okada (The Open University of Japan, Japan)

O7-15 CHARACTERIZATION AND TREATMENT OF STORMWATER RUNOFF FROM THE NAINITAL LAKE CATCHMENT IN THE HIMALAYAN REGION OF INDIA Sumant Kumar (NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE, India)

O7-16 FIELD EXPERIMENTS ON RUNOFF REDUCTION USING TERRESTRIAL ALGA AS TOPSOIL NUTRIENT ABSORBER Katsunori Aizawa (Institute for Clean Earth, Japan)

10:40-12:00 Section 6 "Wastewater Treatment"

Chair: Masafumi Fujita (Department of Civil, Architectural and Environmental Engineering, Graduate School of Science and Engineering, Ibaraki University)

- 07-17 FULL-SCALE DEMONSTRATION OF NITRIFICATION CONTROL FOR ENERGY SAVING WITH SUFFICIENT WATER QUALITY Yoshinori Nishida (Hitachi, Ltd., Japan)
- O7-18 EXAMINATION OF THE AERATION PROCESS TO IMPROVE NITROGEN REMOVAL DURING SEWAGE TREATMENT Masashi Soda (Ibaraki Prefectual Regional Sewerage Office, Japan)
- 07-19 REALIZATION OF PARTIAL NITRITATION FOR MAINSTREAM DEAMMONIFICATION Shoko Miyamae (Hitachi, Ltd., Japan)
- O7-20 SIMULTANEOUS REMOVAL OF NITROGEN AND PRIORITY PHTHALATES FROM MUNICIPAL WASTEWATER FOR MANAGEMENT OF FRESH WATER SOURCES Khalid Muzamil Gani (Indian Institute of Technology Roorkee, India)

14:00-15:20 Section 7 "Wastewater Treatment/Aquatic Plant"

Chair: Jun Nishihiro (Toho University)

07-21	COMPARISON OF EFFLUENTS CHARACTERISTICS FROM FULL-SCALE WASTEWATER TREATMENT PLANTS IN THAILAND, USA, AND JAPAN BEFORE DISCHARGING TO LAKES Pongsak Lek Noophan (Department of Environmental Engineering, Faculty of Engineering, Kasetsart University, Bangkok, Thailand)
07-22	DEVELOPMENT OF DESIGN METHOD FOR LOCALIZATION OF JAPANESE JOHKASOU TO EU AREA Masahiro Furuichi (Johkasou System Association / Houstec Inc. / Tohoku University, Japan)
07-23	PROBLEM ALLIGATER WEED MANEGEMENT PRACTICES IN INBA-NUMA LAKE FOR FLOOD DESASTER RISK REDUCTION AND SUSTAINABLE EFFORT TO CONTROL INVASIVE WATER PLANTS Masami Hasegawa (Toho univ, Japan)
O7-24	FUNCTIONALITY AND UTILIZATION OF NATIVE CHESTNUTS IN INBA-NUMA Masaki Ikeoka (REFINE HOLDINGS CO.,LTD., Japan)

15:40-17:00 Section 8 "Sanitation and Appropreate Technology"

Chair: Dai Shimazaki (National Institute of Public Health)

07-25	HYGIENE AND SANITATION OF PEOPLE LIVING ON AND AROUND TONLE SAP LAKE: COMPARISON OF WATER BASED, WATER-LAND BASED AND LAND BASED ZONES Sokneang In (Institute of Technology of Cambodia, Cambodia)
07-26	SUCCESSFUL RESULTS OF THE ECOLOGICAL SANITATION APPROACH TOWARD HARMONIOUS COEXISTENCE OF THE PEOPLE AND LAKE MALAWI, AFRICA Aubrey Rozario Chimwaza (Nippon International Cooperation for Community Development / Cowater Sogema, Inc, Malawi)
07-27	THE CHALLENGE FOR LAKE VICTORIA PROTECTION BY THE ECOLOGICAL SANITATION APPROACH IN KENYA Joan Maureen Opuba (Nippon International Cooperation for Community Development / Freelance consultant, Water/Environment Management, Kenya)
07-28	AN ENERGY-SAVING AEROBIC PURIFICATION OF WASTEWATER AND DRINKING WATER BY THE SLANTED-SOIL-CHAMBER METHOD Masato Kiji (YONDEN CONSULTANTS CO., INC., Japan)

Technical Session 8: Citizens' Activities and Environmental Education

This session focuses on citizen activities and involvement, and environmental education, exploring region-based practices to ensure better lakes and basins for future generations.

Date & Time October 16 (Tue.) 9:00-17:00, October 18 (Thur.) 9:00-17:00

Venue Tsukuba International Congress Center, Conference room 201B

October 16

9:00-10:20 Section 1 "Participation and Collaboration 1"

Chairs: Shinji Ide (School of Environmental Sciences, the University of Shiga Prefecture)

Munetsugu Kawashima (Shiga University)

O8-1	WELCOME TO SHISHITUKA SATOYAMA WOODLAND. LET'S DO IT TOGATHER Hiromi Oikawa (certified nonprofit organization for nature conservation and history transmission of shishitsuka satoyama, Japan)
O8-2	ENVIRONMENNTAL EDUCATION IN SATOYAMA OF THE LAKE INBA SOURCE AREA Hisao Suzuki (Non profit organization NPO Tomisato-no-Hotaru, Japan)
O8-3	SUSTAIN RICH WATERSIDE LANDSCAPES FOR NEXT GENERATION Iyoko Kanezaki (AKANOI, Japan)
O8-4	REGIONAL EFFORTS TO PROTECT AND CREATE BEAUTIFUL AMANOHASHIDATE, ASOKAI AND ITS WATERSHED, "THE THREE MAJOR SCENERIES OF JAPAN" Naoki Ando (Miyazu City Hall, Japan)

10:40-12:00 Section 2 "Participation and Collaboration 2"

Chairs: Munetsugu Kawashima (Shiga University)

Shinji Ide (School of Environmental Sciences, the University of Shiga Prefecture)

TS8-1 Invited Lecture	COMMUNITY PARTICIPATION IN INTEGRATED WATER RESOURCE MANAGEMENT IN NORTHERN THAILAND	
	Chitchol Phalaraksh (Department of Biology, Faculty of Science, Chiang Mai University / Environmental Science Research Center, Faculty of Science, Chiang Mai University, Thailand)	
O8-5	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	
	Cynthia Caburnay Buen (City Agricultural Services Department, City Government of Calamba, Philippines)	
O8-6	MY LAKE LANAO PROJECT: A CLEAN LANAO FOR A PEACEFUL MINDANAO Maria Cecilia Ferolin (Mindanao State University-Iligan Institute of Technology, Philippines)	
14:00-15:20	Section 3 "Participation and Collaboration 3"	
Chairs: Tai H	larada ((NPO) Kasumigaura Academy)	
Kaho	oru Ogawa (Kahoru Ogawa Environmental Education Office)	
O8-7	THE CHANGING ROLE OF COMMUNITY IN THE MANAGEMENT OF RESERVOIRS IN JAKARTA	
	Gutomo Bayu Aji (Research Centre for Population, Indonesian Institute for Sciences, Indonesia)	
O8-8	STAKEHOLDER PARTICIPATION FOR DETERMINING RESEARCH DIRECTION OF PHAYAO LAKE, THAILAND Santiwat Pithakpol (University of Phayao, Thailand)	
O8-9	IMPLEMENTATION AND EVALUATION OF THE "TIRTA BUDAYA SITU" WATER CULTURE PROGRAM ESTABLISHED FOR URBAN LAKES WITHIN THE JAKARTA METROPOLITAN AREA Ami A. Meutia (Kyoto University / UP 45 University, Indonesia)	
O8-10	THE WAYS TO INCREASE ENVIRONMENTAL AWARENESS OF THE ARAL TRAGEDY AND ITS ECOLOGY TODAY Khairulla Zhanbekov (University of KazNPU after named Abay, Kazakhstan)	
15:40-17:00	Section 4 "Participation and Collaboration 4"	
Chairs: Kaho	oru Ogawa (Kahoru Ogawa Environmental Education Office)	
	larada ((NPO) Kasumigaura Academy)	

- O8-11 INITIATIVE BY MAHARASHTRA STATE ANGLING ASSOCIATION (MSAA) TO CONSERVE POWAI LAKE, MUMBAI, INDIA Farid Hamid Sama (MAHARASHTRA STATE ANGLING ASSOCIATION, India)
- O8-12 OUR ESTIMATION AND PROPOSAL ON LAKE KASUMIGAURA RADIOACTIVE CONTAMINATION CAUSED BY FUKUSHIMA POWER PLANT INCIDENT Atsunobu Hamada (Specified Nonprofit Corporation, Japan)

O8-13	ECOLOGICAL SURVEY ON A SMALL-SIZED URBAN RIVER BY LOCAL COMPANIES AND ITS EXTENSION IN LOCAL SOCIETY Shigekazu Miyagi (Konan Kigyou Ikimono Oendan (Environmental Supporters in Konan Area), Japan)		
O8-14	THE HISTORY OF THE ENVIRONMENTAL PROBLEM OF LAKE BIWA AND THE MESSAGE TO THE NEXT GENERATION Yoshiji Horino (hirose co.ltd., Japan)		
October 18	· · · · · · · · · · ·		
9:00-10:20	Section 5 "Ecological Conservation"		
Chairs: Hiror	ni Oikawa (Certified Non-profit Organization for Nature Conservation and History Transmission of Shishitsuka Satoyama)		
Shinj	i Ide (School of Environmental Sciences, the University of Shiga Prefecture)		
O8-15	TAMURA · OKUJUKU · TOSAKI AREA NATURAL RESTORATION PROJECT Naoto Yoshida (Kasumigaura River Office, Kanto Regional Development Bureau, MLIT, Japan)		
O8-16	EFFORTS OF "FISH CRADLE PADDY" BY SUHARA SESERAGI NO SATO IN YASU CITY, SHIGA PREFECTURE Kiwa Akamatsu (Suhara-seseraginosato (Local residents organization), Japan)		
O8-17	THE URGENT PROBLEM OF INVASIVE ALIEN AQUATIC PLANTS IN TEGANUMA AND WHAT CIVIC GROUPS CAN DO Hiroko Hanzawa (Associasion of civic groups which love beautiful Teganuma, Japan)		
O8-18	THE COOPERATION WITH VARIOUS ORGANIZATIONS BY UNIVERSITY STUDENTS IN REMOVAL ACTIVITY OF INVASIVE ALIEN AQUATIC WEED IN LAKE BIWA, JAPAN Yume Tanaka (International Volunteer University Student Association, Japan)		
10:40-12:00	Section 6 "Education Program and Practice 1"		
Chairs: Kaho	ru Ogawa (Kahoru Ogawa Environmental Education Office)		
Shinj	i Ide (School of Environmental Sciences, the University of Shiga Prefecture)		
TS8-2 Invited Lecture	ESD & SDGS, BEYOND THE ENVIRONMENTAL EDUCATION Kazuyuki Mikami (Former President of Miyagi University of Education, Japan)		
O8-19	COMPREHENSIVE ENVIRONMENTAL LEARNING ACTIVITIES AT EVERY LIFE STAGE IN SHIGA, THROUGH THE PERSPECTIVE OF EDUCATION FOR SUSTAINABLE DEVELOPMENT		

- Yoshichika Akasaki (Shiga Prefecture, Japan)
- O8-20 EDUCATIONAL PROGRAM OF THE CENTER FOE WATER ENVIRONMENT STUDIES, IBARAKI UNIVERSITY Yuji Kuwahara (Center for Water Environment Studies, Japan)

14:00-15:20 Section 7 "Education Program and Practice 2"

Chairs: Munetsugu Kawashima (Shiga University)

Tai Harada ((NPO) Kasumigaura Academy)

O8-21	"WETLANDS AND YOUTH" SESSIONS AT THE ASIA WETLAND SYMPOSIUM AND ITS ACHIEVEMENTS Takuma Satoh (Youth Ramsar Japan, Japan)
08-22	EXPANDING THE POSSIBILITY OF LAKE ENVIRONMENTAL EDUCATION BY USING VIRTUAL REALITY TECHNOLOGY Eisuke Hayaoka (Hokkaido University, Japan)
O8-23	"INBA-NUMA LEARNING" -HUNAHO SATOYAMA IS THE HOMETOWN OF LAKE INBA-NUMA- Hisako Ogura (The Committee for Lake Inba-numa Watershed Management, Japan)
O8-24	COMMISSIONED PROJECTS OF KASUMIGAURA CITIZENS' ASSOCIATION Kaoru Yoshida (Kasumigaura Citizens' Association, Japan)

15:40-17:00 Section 8 "Education Program and Practice 3"

Chairs: Tai Harada ((NPO) Kasumigaura Academy)

Munetsugu Kawashima (Shiga University)

O8-25	LIAISON COUNCIL ACTIVITIES OF SAKURA RIVER EXPEDITION Kazuo Okubo (Kasumigaura Citizens' Association, Japan)
O8-26	EFFECTS OF CHILDREN'S AWARENESS AND UNDERSTANDING OF NATURAL ENVIRONMENT BY ENVIRONMENTAL LEARNING ACTIVITIES FOR RIVERS CONDUCTED AT LOCAL ENVIRONMENTAL INSTITUTE Shunichi Miwa (Ibaraki Kasumigaura Environmental Science Center, Japan)
O8-27	INFLUENCE OF REGIONAL DIALOGUE ON AWARENESS OF RIVER BASIN RESIDENTS ON WATER ENVIRONMENT Satoshi Suzuki (Fukushima Prefectral Centre for Environmental Creation, Japan)
O8-28	THE ENVIRONMENTAL PROBLEMS OF LAKE KASUMIGAURA BROUGHT UP ON THE NHK TELEVISION PROGRAM Shimako Kawamura (University of Tsukuba, Japan)

Technical Session 9: Integrated Lake Basin Management (ILBM)

This session discusses various ways for lake the basin stakeholders to collectively pursue Integrated Lake Basin Management (ILBM) through incremental, sustained and long-term improvement of basin governance, prospectively resulting in successful conservation and improvement of basin ecosystem services.

Date & Time October 16 (Tue.) 9:20-17:00, October 18 (Thur.) 9:00-17:00

Venue Tsukuba International Congress Center, Conference room 304

October 16

9:40-10:20 Section 1 "Lake-River-Coastal Basin Governance"

Chair: Masahisa Nakamura (International Lake Environment Committee (ILEC))

TS9-1 IMPLEMENT BETTER-GOVERNANCE FOR THE INTEGRATED RIVER BASIN Invited Lecture MANAGEMENT IN LAKE BIWA-YODO RIVER Norio Nakatsuka (The Organizing Committee of the World Masters Games)

2021 Kansai, Japan)

10:40-12:00 Section 2 "ILBM and Lake Basin Governance 1"

Chair: Kentaro Taki (University of Shiga Prefecture)

TS9-2 INTEGRATED LAKE BASIN MANAGEMENT (ILBM) AS AN INTEGRAL PART OF Invited Lecture TRANSFORMING THE MALAYSIAN WATER SECTOR Salmah Zakaria (ACADEMY OF SCIENCES MALAYSIA (ASM), Malaysia)

O9-1 GOVERNANCE GAPS AND PROSPECTS IN THE STA. ROSA WATERSHED OF LAGUNA LAKE, PHILIPPINES

Ria Adoracion Lambino (Research Institute for Humanity and Nature, Philippines)

- O9-2 INTEGRATED LAKE BASIN MANAGEMENT IN MALAYSIA A DECADE OF EVOLUTION Zati Sharip (National Hydraulic Research Institute of Malaysia, Malaysia)
- 14:00-15:20 Section 3 "ILBM and Lake Basin Governance 2"

Chair: Naoko Hirayama (Faculty of Environmental Sciences, the University of Shiga Prefecture)

- O9-3 CONSERVATION OF WETLANDS IN BHUTAN Sonam Choden (Ramsar Focal Point, Royal Government of Bhutan, Bhutan)
- 09-4 CONSTRUCTION OF PARTNERSHIPS TO IMPROVE INTEGRATED MANAGEMENT OF LAKE CHAPALA BASIN, MEXICO
 - Alejandro Juárez Aguilar (Institute Corazon de la Tierra, Mexico)
- O9-5 PEACE & GOVERNANCE: CHALLENGES FOR SUSTAINABLE DEVELOPMENT OF LAKE LANAO, SOUTHERN PHILIPPINES Sukarno Tanggol (Mindanao State University-Iligan Institute of Technology, Philippines)

O9-6 MEXICAN WATERSHED NETWORK, A PROPOSAL TO WORK ON THE INTEGRAL MANAGEMENT OF LAKES IN MEXICO Eduardo Rios Patron (Red Mexicana de Cuencas, Mexico)

15:40-17:00 Section 4 "ILBM Institutions and Their Typology 1"

Chair: Keiko Wada (Institute of Lake Biwaa-Yodo River Water Environmental Research, Lake Biwa-Yodo River Water Quality Preservation Organization)

- O9-7 IMPACTS OF RECENT ENVIRONMENTAL CHANGES ON THE LIVELIHOODS OF FISHING COMMUNITIES IN THE TONLE SAP LAKE (TSL) Pham Ngoc-Bao (Institute for Global Environmental Strategies (IGES), Japan)
- O9-8 ROLE OF LOCAL AUTHORITY IN INTEGRATED LAKE BASIN MANAGEMENT: EXPERIENCES FROM MALAYSIA Minhaz Farid Ahmed (Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia (UKM), Bangladesh)

O9-9	RIVER/LAKE CHIEF, A NEW CONCEPT PROPOSED BY CHINA TO IMPROVE WATER ENVIRONMENT
	Haijun Wang (State Key Laboratory of Freshwater Ecology and Biotechnology, Institute of Hydrobiology, the Chinese Academy of Sciences, China)
O9-10	NATIONAL SECTOR PROGRAMME (NSP) FOR WATER RESOURCES MANAGEMENT 2018-2030 IN ALBANIA, AS A PLATFORM TOWARDS 2030 SDG 6 Arduen Karagjozi (Technical Secretariat of National Water Council, Albania)
October 18	• • • • • • • • • • • • • • •
9:00-10:20	Section 5 "Ecosystem Service Assessment 1"
Chair: Keiko	Wada (Institute of Lake Biwaa-Yodo River Water Environmental Research Lake Biwa- Yodo River Water Quality Preservation Organization)
O9-11	FACTORS AFFECTING STAKHOLDERS EVALUATION ABOUT LAKE BIWA BASIN Naoko Hirayama (The University of Shiga Prefecture, Japan)
O9-12	PERCEPTIONS, ATTITUDES AND PREFERENCES FOR WETLAND ECOSYSTEM SERVICES: A CASE STUDY OF TAMPARA, ODISHA Ritesh Kumar (Wetlands International South Asia, India)
O9-13	ECOSYSTEM HEALTH CARD FOR LAGUNA DE BAY AND ITS TRIBUTARIES Jocelyn Gazmen Sta. Ana (Environmental Laboratory and Research Division, Laguna Lake Development Authority, Philippines)
O9-14	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] <i>ECOSYSTEM SERVICES SHARED VALUE ASSESSMENT</i> Salif Elhadji Diop (Academy of Sciences of Senegal, Senegal)
10:40-12:00	Section 6 "Ecosystem Service Assessment 2"
Chair: Victor	Shiholo Muhandiki (International Lake Environment Committee (ILEC))
O9-15	ECOSYSTEM SERVICES VALUATION FOR URBAN LAKE AND WETLAND - A CASE OF PUTRAJAYA Normaliza Noordin (Perbadanan Putrajaya, Malaysia)
O9-16	'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 Sasawata Kumar Mohapatra (SPANDAN (NETCOAST), India)
O9-17	PARTICIPATORY BASIN MANAGEMENT AND BIODIVERSITY CONSERVATION IN ANSUPA LAKE, INDIA Durga Prasad Dash (PALLISHREE, India)
O9-18	VULNERABILITY AND ECOSYSTEM SERVICES ASSESSMENT OF MUDA LAKE BASIN UNDER THE IMPACT OF CHANGING CLIMATE Zati Sharip (National Hydraulic Research Institute of Malaysia, Malaysia)

14:00-15:20 Section 7 "Climate Change Impact"

Chair: Naoko Hirayama (Faculty of Environmental Sciences, the University of Shiga Prefecture)

O9-19	GOVERNMENT DISASTER RESPONSE TO FLOOD AND UTILIZATION OF REMOTE SENSING TO RIVER OBSERVATION ; AN INVESTIGATION IN THE ASIA PACIFIC REGION Takahiro Kikuchi (University of Ibaraki,Graduate School of Science and Engineering, Division of Social Infrastructure System Science Doctor course, Japan)
O9-20	MANAGEMENT OF A TROPICAL FRESHWATER LAKE UNDER A CHANGING CLIMATE AND ENVIRONMENT Shadananan Nair Krishnapillai (Centre for Earth Research and Environment Management, India)
O9-21	STUDY ON THE RESPONCE OF WATER QUALITY OF NEARBY LAKES BY THE CHANGE OF ATMOSPHERIC CONDITIONS Tetuya Nakamura (River Front Research Institute, Japan)
O9-22	WATER AVAILABILITY AND DEMAND UNDER CLIMATE CHANGE AND POPULATION

GROWTH, IN LAKE GUIERS, SENEGAL Djiby Sambou (University Assane Seck of Ziguinchor, Senegal)

15:40-17:00 Section 8 "ILBM Institutions and Typology 2"

Chair: Masahisa Nakamura (International Lake Environment Committee (ILEC))

O9-23	LAKE BASIN ENVIRONMENT OF THE LAKE CLUSTER POKHARA VALLEY (RAMSAR SITE), NEPAL Shailendra Kumar Pokharel (Conservation Development Foundation (CODEFUND), Nepal)
09-24	STAKEHOLDER'S ACCOUNT OF THE SOCIAL AND ENVIRONMENTAL CHALLENGES IN THE LAKE VICTORIA BASIN Karlijn Van Den Broek (University of Heidelberg, Netherlands)
O9-25	LIMNOLOGICAL STUDIES OF LONAR LAKE, BULDHANA DISTRICT, MAHARASHTRA, INDIA Aman Vikas Ghutke (Department of Environmental Science S.B.E.S. College of Science, Aurangabad (M.S), India)
O9-26	PROPERTY REGIME CHANGE AND LAKE DEGRADATION: AN INSTITUTIONAL ANALYSIS OF LAKE RAWAPENING IN INDONESIA Evi Irawan (Watershed Management Technology Center, Indonesia)



Technical Session (Poster)

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< Free Browsing > October 16 (Tue.) 9:00-17:00 October 18 (Thur.) 9:00-15:00

< Core Time > [Presentation ID - odd number] October 16 (Tue.) 13:00-14:00 [Presentation ID - even number] October 18 (Thur.) 13:00-14:00

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Venue
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Conference room 101, 102, Tsukuba International Congress Center

Technical Session 1: Biodiversity and Biological Resources

P1-1	PLANKTON COMMUNITY STRUCTURE IN SAGULING DAM Alya Fatina Diandari (Institute Teknologi Bandung, Indonesia)		
P1-2	MICROBIAL COMPETITION FOR ACETATE: AN IMPORTANT FACTOR TO MITIGATE METHANE EMISSION FROM SASA-INVADED WETLAND SOILS Tomo Aoyagi (National Institute of Advanced Industrial Science and Technology (AIST), Japan)		
P1-3	A NEW HYPOTHESIS FOR THE DECLINING CAOUSE OF THE JAPANESE EEL Atsunobu Hamada (Specified NPO Corparation, Japan)		
P1-4	DEVELOPMENT OF A METHOD FOR LOTUS VARIETY IDENTIFICATION AND VARIATION IN POLYPHENOL CONTENTS Rio Takama (Col. Agr. Ibaraki U., Japan)		
P1-5	WATER QUALITY AND FISHERIES OF THE BUI DAM IN GHANA: FIVE YEARS AFTER IMPOUNDMENT Ruby Asmah (CSIR Water Research Institute, Ghana)		
P1-6	COMPARISON OF ENVIRONMENTAL CONDITION USING BIOLOGICAL INDICATORS IN YATSU TIDAL FLAT LOCATING IN TOKYO INNER BAY Mana Ubukata (Dept of Life and Environmental Sciences, Chiba Institute of Technology, Japan)		
P1-7	DIVERSITY MODELS OF PLANKTON IN GOLD COAST ORNAMENTAL LAKE, PANTAI INDAH KAPUK, NORTH JAKARTA Sigid Hariyadi (Department of Aquatic Resources Management, Faculty of Fisheries and Marine Science, Bogor Agricultural University, Indonesia)		
P1-8	ANTIFUNGAL ACTIVITY OF ACTINOMYCETES ISOLATED FROM SURFACE SEDIMENTS OF LAKE LANAO AGAINST <i>CANDIDA ALBICANS</i> AND <i>ASPERGILLUS</i> <i>NIGER</i> Naima Ramos Sirad (Faculty, Philippines)		
P1-9	ENVIRONMENTAL IMPACT RISK ASSESSMENT OF ALIEN SPECIES USING MICROCOSM SYSTEM Tatsuya Shimizu (Dept. of Life and Environmental Sciences, Chiba Institute of Technology, Japan)		
P1-10	BIOLOGICAL EVALUATION METHOD FOR WATER QUALITY ENVIRONMENT IN THE KUJI RIVER BASIN USING AMPHIPODA (CRUSTACEA) Wataru Suzuki (Okukuji Research Group for Biological Diversity, Japan)		
P1-11	DISTRIBUTION OF PHYTOPLANKTON AND WATER QUALITY IN CHIANG MAI MOAT, THAILAND Metee Khonfu (Department of Biology, Chiang Mai Rajabhat University, Thailand)		

BIODIVERSITY ASSESSMENT IN AND AROUND THE MUSEUM LAKE IN GOVT. BOTANICAL GARDEN AND MUSEUM, THIRUVANANTHAPURAM INDIA Anila P Ajayan (UNEMPLOYED, India)
DIVERSITY OF FISHES IN LAGUNA DE CAGAYAN LAKE, PHILIPPINES: STATUS AND CONSERVATION NEEDS
Wilma Solomon Urmeneta (Cagayan State University, College of Fisheries and Marine Science- Aparri Campus, Philippines)
BIRD ABUNDANCE IN THE RICE FIELDS OF CHOR-LAE COMMUNITY, MAE RIM DISTRICT, CHIANG MAI PROVINCE IN THAILAND
Nattida Supahan (Department of Biology / Centre of Excellence of Biodiversity Research and Implementation for Community, Faculty of Science and Technology, Chiang Mai Rajabhat University, Chiang Mai, Thailand)
FEED STUDIES ON INGESTIVE BEHAVIOR AND FOOD OF THE JUVENILE MUSSEL (BIVALVIA: <i>UNIONIDAE</i>) AFTER FALLING OFF IN LAKE ANENUMA, AOMORI PREFECTURE
Akira Someya (University of Kitasato, Japan)
BIODIVERSITY EVALUATION USING NATURE INDEX TOOL IN CHILIKA LAKE, ODISHA, INDIA - A CASE STUDY
Chelladurai Thomson Jacob (Consultant (Biodiversity Policy), Centre for Biodiversity Policy and Law, National Biodiversity Authority, India)
TERRESTRIAL AND FRESHWATER MOLLUSKS ON THE UNIVERSITY OF TSUKUBA CAMPUS Ikuyo Saeki (University of Tsukuba, Japan)
ISOLATION, SCREENING, AND IDENTIFICATION OF POTENTIAL ANTIBIOTIC- PRODUCING FUNGI FROM SURFACE SEDIMENTS OF LAKE LANAO, PHILIPPINES Beverly Bermejo Amparado (Mindanao State University, Philippines)
EVALUATION OF RIVER ENVIRONMENT BY BIOLOGICAL INDICATORS IN BOSO PENINSULA
Tsuyoshi Doyama (Dept. of Life and Environmental Sciences, Chiba Institute of Technology, Japan)
THE DIVERSITY OF PHYTOPLANKTON IN SOME CHECK DAMS OF CHIANG MAI PROVINCE
Anudech Junthong (Department of Biology Chiang Mai Rajabhat University, Thailand)
A BRIEF INTRODUCTION OF BIODIVERSITY IN DONGTING LAKE Nan Yang (ASEM Water Resources Research and Development Center, China)
DO WINTER-FLOODED PADDIES SERVE AS OVERWINTERING SITES FOR AQUATIC ANIMAL COMMUNITIES? Kota Tawa (River Restoration Team, Water Environment Research Group, Public
Works Research Institute, Japan)
ESTIMATION OF ECOLOGICAL CARRYING CAPACITY OF TILAPIA (OREOCHROMIS NILOTICUS) CAGE CULTURE IN LAKE VOLTA USING PHOSPHORUS MASS BALANCE
Anthony Yaw Karikari (CSIR WATER RESEARCH INSTITUTE, Ghana)
HABITAT EVALUATION PROCEDURE OF UNIONIDAE IN ANENUMA-LAKE, AOMORI PREFECTURE, JAPAN Ryohei Iwatsubo (University of Kitasato, Japan)

P1-25	RELATIONSHIP BETWEEN APPEARANCE OF WILD MAMMALS AND LAND COVER IN URBAN AND PERI-URBAN ENVIRONMENTS: ANALYSIS OF ROAD KILL DATA IN TSUKUBA Shoma Jingu (Graduate School of Life and Environmental Sciences, Division of
	Appropriate Technology and Sciences for Sustainable Development, University of Tsukuba, Japan)
P1-26	AQUATIC ECOSYSTEM SERVICE PERCEPTIONAL PROFILE ASSESSMENT: FOCUS ON REGULATING SERVICES AND IMPACT TO HUMAN HEALTH IN BALOI LAKE, BALOI, LANAO DEL NORTE (PHILIPPINES) Misael M. Sanguila (Mindanao State University, Philippines)
P1-27	COMPARISON OF FOOD HABITS, BODY SHAPE AND GROWTH ON NATIVE PISCIVOROUS FISH, OPSARIICHTHYS UNCIROSTRIS UNCIROSTRIS, IN LAKE BIWA BETWEEN 1960S AND 2010S
P1-28	Hiroshi Tsunoda (Center for Environmental Science in Saitama, Japan) ENVIRONMENTAL CONDITION, DISTRIBUTION, AND STRUCTURE OF AQUATIC PLANT COMMUNITIES OF THE RIVERS AND IRRIGATION CHANNELS AROUND THE LAKE SUWA, NAGANO PREFECTURE, CENTRAL JAPAN Kumiko Okubo (Shinshu University, Japan)
P1-29	FISHING GROUNDS AND CLOSED FISHING AREAS OF LAKE BARINGO, KENYA Jones Rama Muli (Kenya Marine and Fisheries Research Institute, Baringo Field Station, Kenya)
P1-30	FISH EMIGRATION FROM SMALL LAKES AND RELATED FACTORS Yoshito Mitsuo (Center for Toki & Ecological Restoration, Institute for Research Promotion, Niigata University, Japan)
P1-31	NON-NATIVE CHANNEL CATFISH MODIFY SWIMMING MODE AND BUOYANCY BASED ON FLOW CONDITIONS Makoto Yoshida (National Institute for Environmental Studies, Lake Biwa Branch Office, Japan)
P1-32	EFFECTS OF UPSTREAM RESERVOIR REGULATION ON THE INTRA-ANNUAL DISTRIBUTION OF BENTHIC INVERTEBRATES IN A LARGE FLOODPLAIN LAKE (DONGTING LAKE, CHINA) Can Xu (State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, China)
P1-33	ALIEN PLANT LUDWIGIA GRANDIFLORA SUBSP.GRANDIFLORA IS
	EXTERMINATED IN THE EMBRYONIC STAGE Kenta Izuhara (Ministry of Land,Infrastructure,Transport and Tourism. Kanto Regional Development Bureau. Kasumigaura River Office. Investigation Division, Japan)
P1-34	THE PRESENT GROWTH AFTER THE REMOVAL OF <i>LUDWIGIA GRANDIFLORA</i> SUBSP. <i>GRANDIFLORA</i> (ONAGRACEAE) IN LAKE KASUMIGAURA, IBARAKI PREFECTURE, JAPAN
	Ayano Ito (Ibaraki Nature Museum, Japan)
P1-35	THE INVASIVE ALIEN SPECIES OF FRESHWATER CRAYFISH: ECOLOGICAL AND ECONOMICAL IMPACTS Ali Mashar (Bogor Agricultural University (IPB), Indonesia)
P1-36	DEVELOPMENT OF MANAGEMENT METHOD FOR THE INVASIVE WATER PRIMROSE (<i>LUDWIGIA GRANDIFLORA</i>) IN LAKE BIWA Akihiro Kondo (Hiyoshi Corporation, Japan)

P1-37	CHANGES OF FISH FAUNA IN RESPECT TO ENVIRONMENTAL CHANGES OF LAKE KASUMIGAURA AND ITS CONSERVATION Soichi Yamane (Biodiversity Center, Natural Environment Division, Department of Residential and Environmental Affairs, Ibaraki Prefecture, Japan)
P1-38	HABITAT STATUS OF <i>PROCAMBARUS CLARKII</i> IN A EUTROPHICATION-REGULATING PONDAGE Ryo Tsunokake (Iwate Prefectural University, Japan)
P1-39	DAMAGE CAUSED BY <i>LIMNOPERNA FORTUNEI</i> AT THE WATER PURIFICATION PLANT AND COUTERMEASURES Kumiko Toyooka (Ibaraki Prefectural Public Enterprise Bureau, Japan)
P1-40	PRESENT STATE AND CONTROL OF SOME SPECIFIED INVASIVE ORGANISMS (PLANTS) ESTABLISHED IN AND AROUND LAKE KASUMIGAURA Haruo Uchiyama (Biodiversity Center,Natural Environment Division,Department of Residential and Environmental Affairs,Ibaraki Prefecture / Conservator of Suigo- Tsukuba Quasi-National Park, Japan)
P1-41	ECOSYSTEM-LEVEL ASSESSMENT OF LIVING MICROBIAL PESTICIDES USING AQUATIC MICROCOSM SYSTEM Kazuhito Murakami (Dept.of Life Science, Chiba Institute of Technology, Japan)
P1-42	USE OF MACROINVERTEBRATE AS THE WATER QUALITY BIO-INDICATOR IN WANG RIVER AND CREATING A LEARNING GUIDE FOR ELEMENTARY STUDENTS Wanlapa Konginta (Chiang Mai Rajabhat University, Thailand)
P1-43	SATOHAMA : HARMONIOUS COEXISTENCE OF HUMANS AND CREATURE Hidehiro Kimura (Kasumigaura Citizens' Association, Japan)
P1-44	LIVING WITH THE ORIENTAL WHITE STORKS ~THE CHALLENGE FOR TOYOOKA~ Yuto Oitsu (Toyooka Municipal Government, Division for coexistence with the Oriental White Stork, Japan)
P1-45	CONCEPT OF EQUITY IN THE CONTEXT OF PROTECTED AREA MANAGEMENT AND ITS FUTURE ISSUES Kunihiko Kobayashi (Research Institute for Humanity and Nature, Japan)
P1-46	ASSESSMENTS OF HEAVY METALS ÉLÉMENTS(NICKEL,ZINC,COPPER) POLLUTION IN AHÉMÉ LAKE IN BÉNIN WEST AFRICA Ishola Nurudeen Adenle (Laboratoire de recherche sur des écosystèmes environnementaux ,Facultés des sciences et Techniques(FAST) de Université d'Abomey Calavi Bénin, Benin)

Technical Session 2: Sustainable Use of Freshwater Resources

P2-1	PRACTICAL ISSUES OF CLIMATE CHANGE ON WATER QUALITY PREDICTION
	FOR WATER QUALITY AND ECOSYSTEM IMPACT ASSESSMENT IN LAKE AND
	WATER QUALITY EVALUATION OF ADAPTATION MEASURES
	Tadasu Yamada (Water Environment Division Environmental Management Bureau Ministry of the Environment, Japan)
P2-2	DYNAMICS OF ANTHROPOGENIC ORGANIC MATTER BISPHENOL A ASSOCIATED WITH SALT LEVELS IN THE ESTUARY
	Miyuki Yamane (University of Soka Graduate School of Engineering Snvironmental Engineering for Symbiosis, Japan)

P2-3	HISTORICAL CHANGE FROM FRESH WATER TO BRACKISH CONDITIONS IN LAKE SUIGETSU INFERRED FROM STEROL TRACERS Masatoshi Nakakuni (Soka University, Japan)
P2-4	MONITORING INVESTIGATION OF REDUCTION IN SEDIMENT INTRUSION IN KUSHIRO WETLAND Taro Yamamoto (River Center of Hokkaido, Japan)
P2-5	UNDERSTANDING OF GROUNDWATER POLLUTION ACTUAL CONDITION SURVEY RESULTS AND MEASURES TO PREVENT GROUNDWATER CONTAMINATION Shingo Kuki (Office for Groundwater and Ground Environment Environmental Management Bureau Ministry of the Environment., Japan)
P2-6	REGIME SHIFTS OF YANGTZE SUBTROPICAL SHALLOW LAKES Haijun Wang (The State Key Laboratory of Freshwater Ecology and Biotechnology, Institute of Hydrobiology, Chinese Academy of Sciences, China)
P2-7	PUBLIC PARTICIPATION IN SOCIAL AUDITING AND ECO-POLITICS OF WATER QUALITY AND ECOLOGICAL HEALTH OF THE FRESHWATER LAKE UJJANI, Anil Sampatrao Patil (Maharashtra Vikas Kendra, Pune, India)

Technical Session 3: Water Quality and Ecosystem Functions in Lake Environments

P3-1	WATER QUALITY ASSESMENT IN THE DIYAWANNA LAKE, SRI LANKA Ranjana Udaya Kumara Piyadasa (Department of Environmental Technology, Sri Lanka)
P3-2	ABUNDANCE AND DISTRIBUTION OF CILIATED PROTOZOANS IN MARANTAO'S LITTORAL AND PELAGIC ZONES OF LAKE LANAO, PHILIPPINES Fema Mag-Aso Abamo (Biology Department, Mindanao State University / MSRTC, MSU, Marawi City, Philippines)
P3-3	RELATIVE IMPORTANCE OF PHYSICAL AND BIOLOGICAL FACTORS REGULATING TINTINNID POPULATIONS: A FIELD STUDY WITH FREQUENT SAMPLINGS IN SENDAI BAY, JAPAN Takehiro Kazama (National Institute for Environmental Studies, Japan)
P3-4	ASSIMILATION OF CYANOBACTERIA BY A FRESHWATER BIVALVE, UNIO DOUGLASIAE: ANALYSIS OF STABLE C AND N ISOTOPE RATIOS AND FATTY ACID COMPOSITIONS Kotaro Sugawara (Akita Prefectural Univesity, Japan)
P3-5	THE RELATIONSHIP OF THE MICROBIOTA INCLUDING ALGAL BLOOM FORMING CYANOBACTERIA AND THE ENVIRONMENTAL FACTORS IN LAKE HACHIRO Kunihiro Okano (Akita Prefectural University, Japan)
P3-6	DEVELOPMENT OF ONE-INDIVIDUAL DNA SEQUENCING METHOD OF PREDATION METAZOAN FOR TOXIC CYANOBACTERIA Thakong Watcharapong (Graduate school of Engineering, Nagasaki University, Thailand)
P3-7	REGULATION OF DIATOMS ON SILICON DYNAMICS IN THE XIANGXI RIVER Wujuan Mi (Institute of Hydrobiology, Chinese Academy of Sciences, China)
P3-8	SEASONAL CHANGE RELATED TO VERTICALLY DISTRIBUTED DISSOLVED OXYGEN IN EUTROPHIC SHALLOW WATER Morio Tsuji (Iwate prefectural university, Japan)

P3-9	A REVIEW ON THE PELAGIC ECOLOGY OF LAKE LANAO, MINDANAO IS., PHILIPPINES
	Ephrime Bicoy Metillo (Department of Biological Sciences, Mindanao State University-Iligan Institute of Technology, Iligan City, Philippines)
P3-10	RELATIONSHIP BETWEEN THE WHITE TURBIDITY AND THE FISH PRODUCTION IN LAKE KASUMIGAURA
	Jun Iwasaki (Professional Engineer (Fisheries : Aquatic Environment), Japan)
P3-11	SENSITIVITY LEVEL OF PHYTOPLANKTON TOWARDS NUTRIENTS AND ZOOPLANKTON IN EBONY LAKE, PIK RESIDENCE, NORTH JAKARTA Niken Tunjung Murti Pratiwi (Department of Aquatic Resources Management, Faculty of Fisheries and Marine Science, Bogor Agricultural University, Indonesia)
P3-12	TROPHIC AND ECOLOGICAL STATES OF GARDEN HOUSE ORNAMENTAL LAKE, PANTAI INDAH KAPUK, NORTH JAKARTA Inna Puspa (Department of Aquatic Resources Management, Faculty of Fisheries
	and Marine Science, Bogor Agricultural University, Indonesia)
P3-13	CURRENT AND RECENT CHANGES IN HALOCLINE AND CIRCULATING DEPTHS IN LAKE OGAWARA
	Kota Harada (Universtiy of Kitasato, Japan)
P3-14	RELATIONSHIP BETWEEN TN/TP RATIO AND PRINCIPAL COMPONENT SCORES ON AN IRRIGATION POND COVERED WITH FLOATING-LEAVED PLANT Masaaki Kondo (Graduate School of Bioresources, Mie University, Japan)
P3-15	POTENTIAL VEGETATION FOR NITROGEN REMOVAL IN LAKE RIPARIAN AND CATCHMENT AREAS Susi Abdiyani (Watershed Management Technology Center, Indonesia)
P3-16	THE INCONVENIENCE OF TRADITIONAL FISHING PRACTICE ON AQUATIC ECOSYSTEM OF LAKE NOKOUE IN REPUBLIC OF BENIN (WEST AFRICA) Bernadin Elegbede Manou (National Water Institute- University of Abomey Calavi, Benin)
P3-17	ASSESSMENT OF THE EFFECT ON WATER QUALITY IN TSUCHIURA PORT BY THE OPERATION OF ITS DIRECT PURIFICATION FACILITY Ryuji Shimura (Ibaraki Kasumigaura Environmental Science Center, Japan)
P3-18	WATER QUALITY CHANGE IN LAKE HAMANA BETWEEN 1995 AND 2017 Atsushi Kubo (Shizuoka University, Japan)
P3-19	SUTAINABLE APPROACH TO CONSERVE AN ANCIENT WATER SUPPLY SYSTEM: SALIM ALI LAKE AT AURANGABAD, (MS), INDIA Kshamadevi Shankarrao Khobragade (DEPT OF ENVIRONMENTAL SCIENCE, S B E S COLLEGE OF SCIENCE, India)
P3-20	NOTES ON THE RESULTS OF A WATER QUALITY SURVEY FOR LAKE USHIKUNUMA, IBARAKI PREFECTURE, JAPAN Yoshiko Tominaga (Kasumigaura Environmental Science Center, Japan)
P3-21	ICHTIOINDICATIVE ASSESSMENT OF WATER QUALITY IN URBAN LAKES (ON THE EXAMPLE OF KAZAN, RUSSIA) Nail Gosmanovich Nazarov (Kazan Federal University, Russia)
P3-22	CONIFEROUS FORESTS AND LAKES: THE IMPACT OF PINE POLLEN ON WATER QUALITY Piotr Klimaszyk (Department of Water Protection. A. Mickiewicz University, Poland)

P3-23	CONTRIBUTION OF NITROGEN DEPOSITION TO TAIHU LAKE Xi Chen (School of Geography Science, Nanjing Normal University, China)
P3-24	SUSTAINABLE UTILIZATION OF A CRATER LAKE BY RIPARIAN COMMUNITIES: THE QUALITY OF THE WATERS OF LAKE BOSOMTWE IN THE ASHANTI REGION OF GHANA Mark Osa Akrong (Council for Scientific and Industrial Research - Water Research Institute (CSIR-WRI), Ghana)
P3-25	STUDY ON BEHAVIOR OF INORGANIC NITROGEN IN LAKE NAKAUMI Toshikuni Kato (Shimane Prefectural Institute of Public Health and Environmental Science, Japan)
P3-26	NUTRIENT DYNAMICS AND TROPHIC STATE OF LAKE TEMPE IN SOUTH SULAWESI, INDONESIA Yustiawati Yustiawati (Research Center for Limnology, Indonesian Institute of Sciences, Indonesia)
P3-27	STUDY ON THE GROWTH OF PERDIMIUM NUMBONATUM VAR.INAEQUALE AND SCENEDESMUS BIJUGA WITH DIFFERENT ORGANIC PHOSPHORUS SOURCES Yuping Su (Environmental Science and Engineering College, Fujian Normal University / Fujian Key Laboratory of Pollution Control and Resource Recycling, China)
P3-28	INFLUENCE OF NUTRIENT COMPOSITION ON PHYTOPLANKTON COMMUNITY IN LAKE SUWA Masato Yokouchi (Graduate school, Shinshu University, Nagano Prefecture, Japan)
P3-29	WATER QUALITY ASSESSMENT AND TROPHIC STATUS DETERMINATION OF LAKE LANAO, MINDANAO ISLAND, PHILIPPINES Carmelita Garcia Hansel (Mindanao State University, Marawi City, Lanao del Sur, Philippines)
P3-30	WATER QUALITY CHANGES AND EFFECTS OF POLLUTION IN KISUMU BAY WATERS OF LAKE VICTORIA Rolin Nzomo Mwiva (Environment. Lake Basin Development Authority, Kenya)
P3-31	INFLOW TO THE RIVER AND CHANGES OF ORGANIC MATTER THAT CONSTITUTING C3 AND C4 PLANT Shuhei Segawa (Soka Graduate School of Engineering, Environmental Engineering for Symbiosis Major, Japan)
P3-32	LESSON LEARNED FROM MANAGEMENT OF WEST LAKE (HO TAY) IN HANOI CAPITAL OF VIETNAM AFTER A HALF CENTURY Ly Thi Ha Bui (Central Institute for Natural Resources and Environmental Studies (CRES), Vietnam National University, Hanoi, Viet Nam)
P3-33	CLIMATE CHANGE IMPACT ON WATER TEMPERATURE AND DO IN LAKE BIWA AND ITS MECHANISM Yosuke Tanabe (University of Osaka, Japan)
P3-34	RECONSTRUCTION OF PALEO VEGETATION RECORDED FROM THE LAKE BAIKAL SEDIMENT Keiko Takehara (University of SOKA, Japan)
P3-35	INFLUENCE OF CLIMATE CHANGE ON WATER QUALITY IN LAKE KASUMIGAURA Shunsuke Komuro (Ibaraki Kasumigaura Environmental Science Center, Japan)
P3-36	A STUDY ON RELATIONSHIP BETWEEN ATMOSPHERIC TEMPERATURE AND LAKE WATER TEMPERATURE Akira Watanuki (Chuo University, Japan)

P3-37	ASSESSMENT OF HEAVY METALS CONTAMINATION OF BOTTOM SEDIMENT IN TONLE SAP LAKE, CAMBODIA Boreborey Ty (Institute of Technology of Cambodia, Cambodia)
P3-38	EVALUATION OF HYPOXIC WATER MASS OCCURRENCE MECHANISMS IN ASOKAI: FOCUSING ON SEDIMENT OXYGEN DEMAND AND FACTOR Hayato Mori (Graduate School of Science and Engineering, University of Ritsumeikan, Japan)
P3-39	VARIABILITY IN BOTTOM-WATER DISSOLVED OXYGEN CONCENTRATION IN LAKE INAWASHIRO Saori Onuma (Fukushima Prefectural Centre for Environmental Creation, Japan)
P3-40	SURVEY ON MEASURES FOR THE CONSERVATION OF LAKE WATER QUALITY RELATING TO BOTTOM LAYER DISSOLVED OXYGEN AND COASTAL TRANSPARENCY Tadasu Yamada (Water Environment Division, Ministry of the Environment, Japan)
P3-41	FORMATION AND DECOMPOSITION OF POLYMERIC SILICATE IN PORE WATER Jayeong Park (Graduate School of Human and Environmental Studies, Kyoto university, Japan)
P3-42	ASSESING THE HEAVY METAL CONTENT OF GOLDEN APPLE SNAIL (<i>POMACEA</i> CANALICULATA), WATER AND SEDIMENTS AFTER FISH KILLS INCIDENT IN LAKE MAINIT, NORTHEASTERN MINDANAO, PHILIPPINES Rainer Percy Sularte (Caraga State University, Graduate School, Philippines)
P3-43	ANALYSES OF MICROBIAL CONSORTIA IN WATER AND SEDIMENT SAMPLES OF TONLE SAP LAKE Kazuhiko Miyanaga (Tokyo Institute of Technology, Japan)
P3-44	HORIZONTAL DISTRIBUTION OF SEDIMENT AND CHARACTERISTIC OF NUTRIENTS DIFFUSION IN LAKE KOYAMA-IKE Masaki Okamoto (Tottori Prefectural Institute of Public Health and Environmental Science., Japan)
P3-45	INHIBITION OF ANAEROBIC WATER LAYER FORMATION USING A MULTIFUNCTIONAL AERATOR INSTALLED IN HIYOSHI DAM Yuji Iwamatsu (Japan Water Agency, Japan)
P3-46	EVALUATION OF A NEW SIMPLE METHOD FOR MEASURING SEDIMENT OXYGEN DEMAND IN LAKE BIWA Koichi Shimotori (National Institute for Environmental Studies, Japan)
P3-47	BIOTRANSFORMATION OF ARSENIC SPECIES BY PHYTOPLANKTON IN FRESHWATER Rimana Islam Papry (Graduate School of Natural Science and Technology, Division of Material Chemistry, Kanazawa University, Bangladesh)
P3-48	APPLICABILITY OF IODINE ACTIVATED CARBON FOR MAINTENANCE OF LAKES AND MARSHES IN GOOD ENVIRONMENTAL CONDITION Katsuyoshi Tatenuma (Kaken Inc., Japan)
P3-49	ESTABLISHING A TOTAL MAXIMUM DAILY LOADS (TMDL) PLAN FOR EUTROPHIC RESERVOIR: TAKING SHIMEN RESERVOIR AS AN EXAMPLE Chia-Chun Ho (National Taipei University of Technology, Taiwan)

Technical Session 4: Lakeside History and Culture

P4-1	REHABILITATION OF "FLOWING NET WITH RICE CAKE HUNT" AND "WIDE RECTANGLE NET HUNT" TO WATERFOWL Kensuke Yamazaki (consultant (environment, turism, folklore), Japan)
P4-2	OBSERVATION OF SPAWNING SEASON OF FRESHWATER PRAWN, MACROBRACHIUM NIPPONENSE AND A STUDY OF CULTURAL VALUES OF LAKE USHIKUNUMA Takashi Nemoto (Ibaraki purefectural government office, Japan)
P4-3	LIVELIHOODS IN THE HIMALAYAN WETLAND A CASE STUDY IN HIGHEST LAKE IN THE HIMALAYA Bishnu Bahadur Bhandari (Nepal Wetlands Society, Nepal)
P4-4	WHY DO LAKES LURE PEOPLES' MINDS ? Atsushi Numazawa (Kasumigaura Citizens' Association, Japan)
P4-5	REGIONAL CREATION PROJECT UTILIZING SEAPLANE Takumi Kato (Nihon University, Japan)

Technical Session 5: Regional Activities and Matter Cycles

P5-1	EFFECT OF DENITRIFYING BACTERIA ON RICE PLANT GROWTH-PROMOTION UNDER LOW-NITROGEN INPUT CONDITION: INVESTIGATION OF RICE PLANT GROWTH AND MOLECULAR ANALYSIS OF ROOT-ASSOCIATED SOIL BACTERIAL COMMUNITY Midori Sakoda (College of Agriculture, Ibaraki University, Japan)
P5-2	THE ANALYSIS BETWEEN THE SEDIMENTATION CHARACTERISTICS OF SHALLOW LAKE AND HUMAN ACTIVITIES IN THE MIDDLE REACHES OF YANGTZE RIVER Yanhua Wang (School of Geography Science, Nanjing Normal University / Jiangsu Center for Collaborative Innovation in Geographical Information Resource Development and Application, China)
P5-3	LIFE CYCLE ASSESSMENT OF RICE CULTIVATION TECHNOLOGY: ASSESSING INFLUENCE OF NON-PUDDLING AND SPARSE TRANSPLANTING Motoko Shimura (NARO Western Region Agricultural Research Center, Japan)
P5-4	AN N-ALKANE δ ¹³ C FOR ASSESSING SOURCES OF TERRESTRIAL ORGANIC MATTER IN LACUSTRINE SEDIMENTS IN CHINA Yanhua Wang (Nanjing Normal University, China)
P5-5	THE STUDY OF RUNOFF LOADS FROM LOUTUS PADDY FIELDS AFTER INSTALLATION OF AGRICULTURAL INFRASTRUCTURE Wataru lio (Ibaraki Kasumigaura Enviromental Science Center, Japan)
P5-6	RECENT CHANGES IN THE VERTICAL DISTRIBUTION OF NITROGEN AND PHOSPHOROUS IN A BRACKISH LAKE OGAWARAKO OF NORTHEASTERN JAPAN Kazunori Shizuka (Inland Water Fisheries Research Institute, Aomori Prefectural Industrial Technology Research Center / Graduate School of Veterinary Sciences, Kitasato University, Japan)
P5-7	EVALUATION OF AVAILABLE WATER RESOURCES AND NITROGEN RUNOFF IN NORTHEAST THAILAND Yuki Jikeya (Ibaraki University, Japan, Japan)

P5-8	RELATIONSHIP BETWEEN NUTRIENTS AND ALGAL GROWTH POTENTIAL OF STORMWATER IN THE INBANUMA BASIN Tomokazu Kitamura (Public Works Research Institute, Japan)
P5-9	BIOCHEMICAL POTENTIAL OF FRESHWATER, BRACKISH, AND SEA SEDIMENTS FOR REMOVING ANTIMONY FROM WATER ENVIRONMENT Satoshi Soda (Ritsumeikan University, Japan)
P5-10	ELEMENTAL COMPOSITION AND MICROBIAL COMMUNITY STRUCTURE ANALYSIS OF SURFACE SOILS AFFECTED BY THE KANTO-TOHOKU HEAVY RAINFALL DISASTER IN SEPTEMBER 2015 Tomoyasu Nishizawa (College of Agriculture, Ibaraki University, Japan)
P5-12	SCREENING OF SYMBIOTIC FUNGI ASSOCIATED WITH BEECH AND APPLICATION FOR TRIAL PLANTING OF BEECH SEEDLINGS IN THE ABANDONED CROPLAND AROUND KOMADO-SHITSUGEN MOOR Yusuke Takashima (Ibaraki University, College of Agriculture, Japan)
Technical	Session 6: Monitoring Based on Scientific Knowledge

P6-1	MONITORING AND EVALUATION OF THE WATER QUALITY OF TAAL LAKE, TALISAY, BATANGAS, PHILIPPINES Felipe Buno Martinez (De La Salle University Dasmarinas, Philippines)
P6-2	ESTIMATE OF THE SALT WATER BALANCE AT THE GATE-CONTROLLED WEIR OF THE ABASHIRI RIVER Fuyuki Tazaki (Hokkaisuiko Consultant Corp., Japan)
P6-3	ESTIMATE OF THE FLOW VOLUME BY USING H-ADCP AT THE GATE- CONTROLLED WEIR OF THE ABASHIRI RIVER Kazuya Inoue (Hokkaisuiko Consultant Corp., Japan)
P6-4	ANALYSIS OF STATISTICAL METHODS FOR WATER-LEVEL FORECASTS OF NIGER INNER DELTA IN MALI Barry Kassambara (MIE UNIVERSITY, Mali)
P6-5	ANALYSIS AND INVESTIGATION OF RIVERBED VARIATION MECHANISM FOR EFFICIENT AND EFFECTIVE LAKE MANAGEMENT Hideyuki Ikeda (Ministry of Land,Infrastructure,Transport and Tourism Tohoku Regional Bureau Takasegawa River Office, Japan)
P6-6	PARTICLE SIZE DISTRIBUTION OF SEDIMENT IN FISH NESTS AND POOL IN AGRICULTURAL DRAINAGE CANAL Shota Takagi (College of Agriculture, Ibaraki University, Japan)
P6-7	ASSESSMENT OF HARMFUL CYANOBACTERIA GROWTH POTENTIAL BASED ON HYDRODYNAMIC MODELLING Myeongsub Byeon (Han-River Environment Research Center, National Institute of Environmental Research (NIER), Korea)
P6-8	SIMPLE AND RELIABLE BIOLOGICAL MONITORING OF LAKES FOR SUSTAINABLE SERVICES Shobha Jagannath (Department of Studies in Botany, University of Mysore, India)
P6-9	ECOLOGICAL HEALTH ASSESSMENT OF LOEI RIVER AND TRIBUTARIES BY USING AQUATIC INSECTS UNDER RIVER CONTINUUM CONCEPT Thanayaporn Katesuja (Environmental Science Programe, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand)

P6-10	SPATIO-TEMPORAL EVALUATION OF FLOOD IMPACTS ON WETLAND VEGETATION Shara Grace Cosmod Astillero (Hokkaido University, Philippines)
P6-11	RELEASE OF THE SATELLITE-BASED LAKE AND RESERVOIR TEMPERATURE DATABASE IN JAPAN (SATLARTD-J) VERSION 3 Yudai Mizoguchi (Ibaraki University, Japan)
P6-12	IMPROVEMENT OF HYDROLOGICAL AND HYDRAULIC MODEL BY APPLYING SATELLITE-BASED PRECIPITATION IN THE TONLE SAP LAKE Ichiro Yoneda (Faculty of agriculture, Yamagata University, Japan)
P6-13	SPATIOTEMPORAL VARIABILITY OF CHLOROPHYLL-A CONCENTRATION IN LAKE MALAWI USING MERIS DATA Augusto Nunes Brito Vundo (Graduate School of Life and Environmental Sciences, University of Tsukuba / Pedagogical University, Mozambique)
P6-14	UNMANNED VEHICLE ON WATER QUALITY MONITORING IN RESERVOIR Jr-Lin Lin (Department of Environmental Engineering, Chung Yuan Christian University, Taiwan)
P6-15	CONTROL OF ILLEGAL HUNTING BY USING DRONES IN ANZALI WETLAND IN IRAN Hitoshi Watanabe (Nippon Koei Co.,Ltd., Japan)
P6-16	LCMSMS DETERMINATION OF ANTIBIOTICS AND HORMONES AND ITS APPLICATION IN LAKE WATER MONITORING Maria Pythias Baradero Espino (University of the Philippines, Philippines)

Technical Session 7: Countermeasures and Technologies for Sustainable Use of Ecosystem Services

P7-1	EFFECTS OF ORGANIC POLLUTANT FROM ANAEROBIC DIGESTATE ON SOLUBILITY OF POLY-BROMINATED DIPHENYLETHER IN AQUATIC ENVIRONMENT Chen Shi (National Institute for Environmental Studies / University of Tsukuba, China)
P7-2	THE INFLUENCE OF TOTAL SOLIDS CONCENTRATION ON THE PERFORMANCE OF ANAEROBIC DIGESTION OF FOOD WASTE Yong Hu (National Institute for Environmental Studies, Japan)
P7-3	VERIFICATION ON AOSD CONTROL SYSTEM AS ELECTRIC POWER REDUCTION SAVING ENERGY /ADVANCED WASTEWATER TREATMENT TECHNOLOGY IN VIETNAM AND SPREAD FOR ENVIRONMENTAL RESTORATION IN ASIAN AREAS Yuhei Inamori (Foundation for Advancement of International Science, Japan)
P7-4	NUTRIENT REMOVAL PERFORMANCE IN A CONSTRUCTED WETLAND USING MODIFIED BIOCHAR AS A BED-FILTER Kaoru Abe (Institute for Agro-Environmental Sciences, NARO, Japan)
P7-5	CHARACTERISTICS OF NITROGEN AND PHOSPHORUS REMOVAL TYPE ONSITE WASTEWATER TREATMENT SYSTEM AND APPLICABILITY TO FOREIGN COUNTRIES Yosuke Tabata (Fuji Clean Co., Ltd., Japan)
P7-6	NUTRIENT REMOVAL FROM DOMESTIC WASTEWATER BY <i>JOHKASOU</i> IN WATERSHED OF LAKES Yoko Fujimura (Graduate School of Engineering, Chiba University, Japan)

P7-7	SUMMERY OF ENVIRONMENTAL TECHNOLOGY VERIFICATION PROGRAM AND PERFORMANCE EVALUATION OF WASTEWATER TREATMENT TECHNOLOGY Naohiro Kishida (Saitama-ken Environmental Analysis and Research Association, Japan)
P7-8	REMOVAL OF LINEAR ALKYLBENZENE SULFONATE BY VERTICAL FLOW CONSTRUCTED WETLANDS Daisuke Inoue (Osaka University, Japan)
P7-9	ELUCIDATION OF THE INTRODUCTION EFFECT OF OIL-WATER SEPARATION EQUIPMENT BY GRAY WATER FOOTPRINT Toshihiko Otsuka (Saitama-ken environmental analysis & research association, Japan)
P7-10	EFFICIENT AND SUSTAINABLE REMOVAL OF PHENOLIC ENDOCRINE- DISRUPTING CHEMICALS BY COMMON REED AND DEGRADING BACTERIAL ASSOCIATION Tadashi Toyama (University of Yamanashi, Japan)
P7-11	POLLUTION OF WATER BODIES AND MITIGATION IN SRI LANKA Indra Vijitha Warnakula Ediriweera (National Water Supply and Drainage Board, Sri Lanka)
P7-12	IMPROVEMENT OF BOTTOM SEDIMENT QUALITY BY MAGNESIUM-BASED MATERIAL AND ENVIRONMENTAL APPLICATION Shunya Tanaka (Ube Material Industries,Ltd., Japan)
P7-13	SURVEY OF ANAMMOX BIOFILM IN ACTIVATED SLUDGE TREATMENT FACILITIES IN SWINE FARMS Miyoko Waki (National Agriculture and Food Research Organization, Institute of Livestock and Grassland Science, Japan)
P7-14	ENHANCEMENT IN ENERGY CONSERVATION BY USING LIQUID-FILM-FORMING APPARATUS IN SHRIMP CULTIVATION POND Passaworn Warunyuwong (Division of Environmental Engineering, Graduate School of Sciences and Technology for Innovation, Yamaguchi University, Thailand)
P7-15	INFLUENCE OF POOR OXYGENATION OF THE BOTTOM LAYER OF LAKES ON REGROWTH OF ALGAE CELLS IN SEDIMENT Hitoshi Tanaka (Center for Environmental Science in Saitama, Japan)
P7-16	ECONOMICS OF NON-POINT SOURCE POLLUTION CONTROL: AN OVERVIEW AND A PROPOSAL FOR A RELATIVE EVALUATION APPROACH Eiji Sawada (Kyushu Sangyo University, Japan)
P7-17	DEVELOPMENT OF PRACTICAL EQUIPMENT ON PHOSPHORUS REDUCTION OF EUTROPHIC RIVER BY IRON ION ELUTION METHOD Naozo Fukuda (Fukken Co., Ltd. Consulting Engineers, Japan)
P7-18	CONTAMINATION OF RIVER ECOSYSTEMS WITH HARMFUL ORGANIC CHEMICALS RELEASED FROM RECYCLING OF ELECTRONIC-WASTE IN NORTHERN VIETNAM Hidenori Matsukami (National Institute for Environmental Studies, Japan)
P7-19	EMPIRICAL STUDIES OF SEWAGE REPRODUCTION PROCESSING SYSTEM Tomoya Nakamura (Nishihara Environment Co., Ltd, Japan)
P7-20	REMOVAL OF CHEMICALS IN SEWAGE TREATMENT PLANTS-IN THE CASE OF 1,4-DIOXAN- Takayuki Fujita (Ibaraki Prefectural Kashima Sewage Office, Japan)

P7-21	EVALUATION OF PARTITIONING POTENTIAL AND BIOACCUMULATION OF SEVEN SCCPS IN LAKE ECOSYSTEM Zhenyi Zhang (National Institute for Environmental Studies, Japan)
	Zhenyi Zhang (National Institute for Environmental Studies, Japan)
P7-22	LAKE MANAGEMENT IN PRESENT EREA FOR ALL DEVELOPMENT Natoi Allah Ringar (PHILOSOPHY OF ENVIRONMENTAL EDUCATION AND SPECIALIST IN PROTECTION AND DEVELOPMENT OF LAKE CHAD, Chad)
P7-23	AN ATTEMPT FOR IMPROVEMENT OF WATER QUALITY AND CULTIVATION OF PLANKTON BY CONDUCTING POLYMERS Hiromasa Goto (Department of Materials Science Faculty of Pure and Applied
	Sciences, Univesity of Tsukuba, Japan)
P7-24	NITROGEN REMOVAL UNDER LOW DISSOLVED OXYGEN CONDITIONS IN ACTIVATED SLUDGE TREATMENT OF SWINE WASTEWATER -RESULTS OF PILOT PLANT OPERATION-
	Jouraku Asaoka (Ibaraki Prefectual Livestock Research center, Japan)
P7-25	SEWERAGE OF SHIGA PREFECTURE
	Hiroshi Matsumoto (Shiga Prefecture, Japan)
P7-26	VERIFICATION EXPERIMENT FOR THE IMPROVEMENT OF AN ANOXIC BRACKISH LAKE
	Koki Sugihara (Civil engineering research institute for cold region, Japan)
P7-27	DECOMPOSITION OF REFRACTORY CHEMICALS AND CHANGES IN THE NUMBER OF BACTERIA BY DISCHARGE REACTOR OF IMMERSION TYPE Yuji Matsubayashi (University of ibaraki, Japan)

Technical Session 8: Citizens' Activities and Environmental Education

P8-1	CITIZENS' MOVEMENT TO TACKLE WATER ENVIRONMENT PROBLEMS: 34 YEARS OF NATIONAL <i>SUIGO-SUITO</i> CONFERENCE Toshihisa Asano (Hiroshima University, Japan)
P8-2	CLEANING ACTIVITIES IN LAKE KASUMIGAURA AND FUTURE PROSPECTS Kenji Saito (NPO WATERSIDE BASIS SOCIETY, Japan)
P8-3	AN URBAN POND RESTORATION AND PRESERVATION PROJECT BY COLLABORATION OF LOCAL COMMUNITIES Fumi Sugita (Chiba University of Commerce, Japan)
P8-4	BIRDS SIGHTSEEING AS A STRATEGY FOR RAISING AWARENESS OF LAKE CHAPALA ECOLOGICAL IMPORTANCE Alejandro Juárez Aguilar (Institute Corazón de la Tierra, Mexico)
P8-5	SUSTAINABLE NEIGHBORHOOD DESIGN IN WATERSIDE AREA :A CASE STUDY ON THE CONSTRUCTION OF FLOODWATER RETAING BASIN Kazuki Nomura (Graduate School of Education, The University of Tokyo, Japan)
P8-6	TRANSFORMATION OF CONSCIOUSNESS OF ENVIRONMENTAL PRESERVATION AFTER ENVIRONMENTAL LEARNING AT KASUMIGAURA ENVIRONMENTAL SCIENCE CENTER Naoto Hosoda (Ibaraki Kasumigaura Environmental Science Center, Japan)
P8-7	HUMAN RACE IS PREPARING ITS OWN END! IS IT POSSIBLE TO SLOW DOWN? Ozgur Aydincak (General Directorate of State Hydraulic Works (DSI), Turkey)
P8-8	EXPERIMENTAL MATERIAL WITH WATER ROCKET FOR ENVIRONMENTAL DATA SAMPLING IN MIDDLE OF LAKE Masaki Yokoyama (Workshop for Space and Environment Education, Japan)

P8-9	OUTREACH USING "TOMBO POND" IN MUSEUM: EX-SITU CONSERVATION OF ENDANGERED SPECIES AND DISSEMINATION FOR NATURE CONSERVATION Masaru Tsuchiya (Tokai High School, Japan)		
P8-10	ECOTOURISM FACILITY ASSESSMENT AND CONSERVATION PERSPECTIVES OF BOGA LAKE BY INDIGENOUS COMMUNITY Ebtisamul Zannat Mim (University of Dhaka, Bangladesh)		
P8-11	DEVELOPMENT OF ENVIRONMENT EDUCATION PROGRAM MADE USE OF THE DIVERSITIES AND LOCATION OF FUJI FIVE LAKES Kazuya Yoshizawa (Yamanashi Institute of Public Health and Environment, Japan)		
P8-12	WATER QUALITY RESEARCH AND WATER ENVIRONMENTAL SOUNDNESS INDEX ESTIMATION OF LAKE INBA(FY2012-FY2017) Yuka Takagi (Dept. of Life and Environmental Sciences. Chiba Institute of Technology, Japan)		
P8-13	THE RELATIONSHIP BETWEEN SEWAGE COVERAGE RATIO AND POLLUTANT CONCENTRATION FOR LAKE KASUMIGAURA AND LAKE SUWA Masayuki Miyauchi (Kasumigaura Cititzen's Association, Japan)		
P8-14	EFFORTS FOR PURIFICATION OF WATER QUALITY IN LAKE USHIKUNUMA Kunihiko Ogawa (Environmental Management Division,Ibaraki Prefectural Goverment, Japan)		
P8-16	EVOLUTION OF A HYBRID FRAMEWORK FOR ADAPTIVE WATERSHED GOVERNANCE IN A MICRO-WATERSHED SCALE LAGUNA DE BAY BASIN, PHILIPPINES		
	Jocelyn Fabian Siapno (Laguna Lake Development Authority, Philippines)		
P8-17	ACTIVITIES OF "KOTOKU-NUMA NATURE PRESERVATION ASSOCIATION", THE WINTERING GROUND OF THE SOUTHERNMOST OF THE WHOOPER SWAN Takashi Meguro (Urizura District Community Planning Committee, Japan)		
Technical	Session 9: Integrated Lake Basin Management (ILBM)		
P9-1	DEVELOPMENT AND THINKING OF THE INTEGRATED TREATMENT SYSTEM OF BASIN WATER ENVIRONMENT Xiaofei Xue (Beijing Enterprises Water Group Limited, China)		
P9-2	TOWARD RAISING LOCAL RESIDENTS' AWARENESS OF LAKE KASUMIGAURA'S WATER ENVIRONMENT		

Hiroaki Banba (Ministry of Land, Infrastructure, Transport and Tourism. Kanto Regional Development Bureau. Kasumigura River Office. Environment Department of Lakes and Marshes., Japan)

P9-3	WATER QUALITY MANAGEMENT OF DAM RESERVOIRS MANAGED BY THE
	MINISTRY OF LAND, INFRASTRUCTURE AND TRANSPORT
	Sorin Nishimura (National Institute for Land and Infrastructure Management, Japan)

P9-4 LAKE KASUMIGAURA PURIFICATION AREA ACTIVITIES Isao Kamata (University of Tsukuba, Japan)

P9-5	FUNCTIONING OF THE KARSTIC SYSTEM OF INFLUENCE OF THE BACALAR
	LAGOON APLIED TO THE TERRITORIAL ECOLOGICAL ORDERING
	Silvana Marisa Ibarra Madrigal (Colegio de la Frontera Sur, Mexico)

P9-6	CONSTRUCTION OF LAND USE MODEL FOR FLOOD ANALYSIS FOR LAGUNA
	LAKE IN THE PHILIPPINES
	Akio Onishi (Yokohama City University, Japan)

P9-7 CLIMATE RESILIENT WATER SECURITY FOR URBAN SETTLEMENTS : ROLE OF LAKES A CASE OF BENGALURU,INDIA Jagannatha Venkataramaiah (Civil Engg Dept, Jain University, India)
 P9-8 CONTROL OF WATER HYACINTH IN THE LAGOON OF YURIRIA, GUANAJUATO MEXICO Juan Manuel López Gutierrez (Universidad de Guanajuato, División de Ciencias de

la Vida, Mexico)

Award of Proceedings

Ibaraki Kasumigaura Prize

Ibaraki Prefecture will award the Ibaraki Kasumigaura Prize (certificates of commendation and a supplementary prize) to up to 10 distinguished full papers submitted by participants from developing countries. This award aims to contribute to the research, technology development, and to the exchange of information on the lakes, rivers and related research fields. Please refer to the list on p.10 of this announcement.

Best Presentation Award

In order to motivate interest of participation, presentation, and research, best presentation will be awarded, which are presented in Technical Sessions. The presentation will be awarded in oral and poster presentation in each technical session. Please refer to p.72 of this announcement.

(10) Students Conference

The aim is to raise the awareness of young people, who are the leaders of the next generation, about the water environment, and to encourage a sense of love for their hometown where they can be proud of the lakes and the water environment that are familiar to them. Date & Time October 14 (Sun.) 10:00-17:00

Participation Fee Free	9		
Schedule			
Time	Contents	Venue	
9:00-10:00	Registration	Entrance Hall	
10:00-10:15	Opening Ceremony	Main Convention Hall	
10:20-10:50	Oral Presentation	E.S. : Convention Hall 300 J.H.S. : Convention Hall 200 H.S. : Main Convention Hall	
10:50-11:00	Break	Time	
11:00-12:00	Oral Presentation	E.S. : Convention Hall 300 J.H.S. : Convention Hall 200 H.S. : Main Convention Hall	
12:00-13:00 Lunch E		Break	
13:00-14:30	Poster Presentation	Conference room 101, 102	
14:30-14:45	Break Time		
14:45-16:00	Discussion	E.S. : Convention Hall 300 J.H.S. : Convention Hall 200 H.S. : Main Convention Hall	
16:00-16:15	Break	Break Time	
16:15-17:00	Closing Ceremony	Main Convention Hall	

Oral Presentation

Oral Presentation is divided into 3 divisions: Elementary School Students, Junior High School Students and High School Students

Theme "About nature related to lakes and blessing of nature"

Time 10:20-12:00

① Elementary School Students (Convention Hall 300)

- OE1 Examine the blessings from Kitaura's water environment,find the splendor of Kitaura,and clean Kitaura ! Hokota-shi Shiratori Nishi elementary school
- OE3 Breeding and protection of Musashi Tmomiyo Kumagaya Municipal Kuge Elementary School Eco-club Committee
- OE5 To Save Our Mother Lake Kasumigaura Tamari East Elementary School

- OE2 Story of salmon Ranger Corps 10 years Sakasagawa Children's Eco Club Salmon Ranger team
- OE4 Kasumigaura Environment Ukishima elementary School
- OE6 The activities of Ramsar Biwa-Kids Ambassador Ramsar Biwa-Kids Ambassadors

- OE7 To protect the environment of Lake Hinuma Nagaoka Elementary School 4th grade
- OE9 Water, Forests and People: Building sustainable water resource management in Northeastern Thailand Metaneedol Elementary School, Thailand

② Junior High School Students (Convention Hall 200)

- OJ1 Komon-sama's Fireflies Revival Project MITO EIKO JUNIOR HIGH SCHOOL Science Club
- OJ3 Water environment around Toyosato junior high school and purification Toyosato junior high school science club
- OJ5 The valuable natural protection activity that I stay in an area Ajigaura Junior high School Sawada Sukashiyuri research team
- OJ7 Current state of Ushiku-numa and investigation of water purification method Ushiku 3rd junior high school Science Club
- OJ9 Solve the mystery of Satoyama invasion of bamboo thicket Tsuchiura fourht juior high school Science Club

OE8 The Connection of Our Life and Kasumigaura Tsuchiura Municipal Kamiootsu-higashi Elementary School 4th graders

- OJ2 Exploring Factors which Change the Water Quality of Kasumigaura Miho Junior High School Science Club
- OJ4 Creating an enviroment of indigenous species and How to use invasive species AOBADAI elementary & middle school smile familia
- OJ6 How to appeal the wonderful waterside of Shiga TANAKAMI children's Environment Club Middle school student team
- OJ8 A survey and experiment to improve the water quality of the Koise river Kokufu junior high school Kokufu Environmental research club

③ High School Students (Main Convention Hall)

- OH1 Let's make Ibarakimachi more energetic! ∼ The ECO activities of Ibaraki Higashi Senior High School ∼ Ibaraki Prefectural Ibaraki Higashi Senior High School 『We are Hinumakko!』
- OH3 A firefly regeneration project in Moriyama City Shiga prefectural Moriyama junior/high school SGH firefly regeneration research

school SGH firefly regeneration research team

- OH5 Efforts to solve the problem of waste garbage caused by inland parts in downstream waters SANYO Girls Senior Junior High School Geography and History Club
- OH7 Blue-green algae and measures the results of Senbako Sakasagawa Children's Eco Club Senbako biotope team
- OH9 Water clarification system by organisms Aomori Prefectural Nakui Agricultural High School TEAM FLORA PHOTONICS

OH2 The musical tells conservation activities of lakes and water birds Cinderella, A Musical Company

OH4 Growing the ancient rice at "Yatsuda" in Shishizuka and the seasonal change in the freshwater plankton Ibaraki Prefectural Takezono High School

- OH6 Reseach of the Ecosystem in Lake Tazawa Omagari Agricaltural High School Bioengineering Club
- OH8 The development of the new flocculants made from natural material Seifu Junior and Senior high School Biology club

Discussion

Discussion is divided into 3 divisions: Elementary School Students, Junior High School Students and High School Students

- Theme "Blessing of nature and Mother water ~ For our symbiotic future ~"
- Time 14:45-16:00

① Elementary School Students (Convention Hall 300)

DE1	Sakasagawa Children's Eco Club Salmon Ranger team	DE2	Ukishima elementary School
DE3	Tamari East Elementary School	DE4	Ramsar Biwa-Kids Ambassadors
DE5	Hokota-city Asahi north Elementary School	DE6	TANAKAMI children's Environment Club

2 Junior High School Students (Convention Hall 200)

DJ1	MITO EIKO JUNIOR HIGH SCHOOL Science Club	DJ2	Miho Junior High School Science Club
DJ3	AOBADAI elementary & middle school smile familia	DJ4	TANAKAMI children's Environment Club Middle school student team
DJ5	Kokufu junior high school Kokufu Environmental research club	DJ6	Chigakukan Secondary School IS-Scientific Course 1

③ High School Students (Main Convention Hall)

DH1	Cinderella, A Musical Company	DH2	Shiga prefectural Moriyama junior/high school SGH firefly regeneration research team
DH3	Ibaraki Prefectural Takezono High School	DH4	SANYO Girls Senior Junior High School Geography and History Club
DH5	Sakasagawa Children's Eco Club Senbako biotope team	DH6	Seifu Junior and Senior high School Biology club

Poster Presentation

Each groups present and explain hteir research and activity in front of poster made by

them.

- Theme "About nature related to lakes and blessing of nature" 13:00-14:30 Time Venue Conference room 101, 102 **1** Elementary School Students **P1** Examine the blessings from Kitaura's P2
- - water environment, find the splendor of Kitaura, and clean Kitaura ! Hokota-shi Shiratori Nishi elementary school
 - P3 To protect the environment of Lake Hinuma Nagaoka Elementary School 4th grade
- To Save Our Mother Lake Kasumigaura Tamari East Elementary School
- P4 Water, Forests and People: Building sustainable water resource management in Northeastern Thailand Metaneedol Elementary School, Thailand

- P5 Exploring the natural environment and aiming for symbiosis Hokota-city Asahi north Elementary School
- P7 Living things in Kasumigaura Ukishima elementary School
- P9 Protect the natural environment of the area Nature's grace and our present and future life
 - Ishioka City Kita Elementary School
- P11 Incubation methods of fairy shrimp, "Honenebi" through the examination of water quality of their habitat Mishima elementary school
- P13 A comparison of festivals in Kasumigaura City and Ishioka City-nature's blessings and culture AOBADAI elementary & middle school ART CLUB FAMILIAR

(2) Junior High School Students

- P15 Komon-sama's Fireflies Revival Project MITO EIKO JUNIOR HIGH SCHOOL Science Club
- P17 Solve the mystery of Satoyama invasion of bamboo thicket Tsuchiura fourht juior high school Science Club
- P19 Hinuma Produces a New Menu by Local Production for Local Consumption Chigakukan Secondary School IS-Scientific Course 2
- P21 Action to bring up consciousness from a variety of experience-based activity to environment yachiyo eco club
- P23 We follow a waterside with the oldness Ogawa minami Junior high school
- P25 Species Richness and Distribution of Macroinvertebrates as Water Quality Bioindicator in Lake Dakong Napo and Agusan River, Mindanao Island, Philippines SIBAGAT NATIONAL HIGH SCHOOL OF HOME INDUSTRIES

- P6 Water Quality Rankings of Ponds in Tsukuba City Parks and Seasonal Variations from Spring to Summer Doho Gakuen Tsukuba Municipal Ninomiya Elementary School
- P8 The water quality of Kasumigaura Ukishima elementary School
- P10 Investigate living creatures of Lake Biwa and local wetland TANAKAMI children's Environment Club
- P12 Artificial insemination and hatching of WAKASAGI in Lake Kasumigaura -The food culture of wakasagi-Kasumigaura City Kasumigaurakita Elementary School
- P14 How human should use water from the view points of other living creatures ? Kaichi Nozomi Primary School
- P16 A survey and experiment to improve the water quality of the Koise river Kokufu junior high school Kokufu Environmental research club
- P18 The Features of Cyrenidae in Hinuma Chigakukan Secondary School IS-Scientific Course 1
- P20 Water Transportation System in Early Modern Hinuma Area Chigakukan Secondary School IS-Scientific Course 3
- P22 Water Quality of Lake Kasumigaura Ami Junior High School Science Club
- P24 Search for sweet potatoes in Kasumigaura \sim Regional-food relationship \sim AOBADAI elementary & middle school
③ High School Students

- P26 Let's make Ibarakimachi more energetic! ~ The ECO activities of Ibaraki Higashi Senior High School ~ Ibaraki Prefectural Ibaraki Higashi Senior High School 『We are Hinumakko!』
- P28 Efforts to solve the problem of waste garbage caused by inland parts in downstream waters SANYO Girls Senior Junior High School Geography and History Club
- P30 The development of the new flocculants made from natural material Seifu Junior and Senior high School Biology club
- P32 Making and practical use of the water plant gage for ecosystem revival of lakes and marshes
 - Chiba prefectural Matsudo Minami high School Science and Research Club / Water Plant Gage Team
- P34 Influence from surrounding environment on water quality - contrast between the Nakagawa waters and Kasumigaura waters

Mito Agricultural High School Natural Science Club

- P36 Water Quality Research in rivers around Hokuzan High School (Zininsa river, Shigema river, Ooi river) Hokuzan High School Biology Club/ Water Quality Research Team
- P38 Proposals to reduce pollution in the Shinkawa River Tsukuba International University High School
- P40 Effect of divalent iron ion on aquatic environment Kanagawa Prefectural Maritime Science High School
- P42 Comparion of water quality survey and biological survey of Okita river and Hanazono river Isoharakyouei High School Science Club
- P44 Purify water in Kasumigaura using only natural things Meikei High School Chemistry Club

- P27 Growing the ancient rice at "Yatsuda" in Shishizuka and the seasonal change in the freshwater plankton Ibaraki Prefectural Takezono High School
- P29 Reseach of the Ecosystem in Lake Tazawa Omagari Agricaltural High School Bioengineering Club
- P31 Production and installation of a water hammer pump for winter watering rice paddy making Chiba prefectural Matsudo Minami high School Science and Research Club / Water hammer pump Team
- P33 The color differences of sijimi and the water quality of its spot Tokiwa Unversity High School
- P35 Water quality survey of Lake Biwa and rivers around the school Seta technical high school Chemical industry
- P37 River Reseach in Nakijin village -Environmental evaluation of aquatic animals and water quality-Hokuzan High School Biology Club/ Indicator Species Research Team
- P39 Water quality and aquatic organism of Nagamo river Hokota second high school Biology Club
- P41 A study on the value of agricultural products grown using fertilizer made from water weeds from Lake Biwa Shiga prefectural Moriyama junior/high school SGH water weed research team
- P43 Development of the Microbial Fuel Cell using the mud of the Lake Kasumigaura Meikei High School Science Club / biology group
- P45 A study of golden membrane and the water quality of the habitat of Hikarimo in Higashi-Namekawa Seaside Park Hitachi First Senior High School Biology Club

- P46 Connection with familiar water Toyo University Ushiku Senior High School SOCIUS
- P48 HIKARIMO (Ochromonas vischeri) in Mito City Mito Daini senior high school Science Club
- P50 The Relationship between the Bluegills' Survival and the Covered Area of the Water Chestnuts in Mikata Lake Wakasa high shool 3rd science and mathmatics course, The Bluegill Team
- P52 Is it possible to place Lake Kasumigaura on a waterfield ? Tutiura third high school science Club
- P54 The effort of effective use method of Ulva which overglow at Yatsu-Higata Tidal Flat Chiba Prefectural Tsudanuma High Schoo Science Club / Biology Team
- P56 The feeding habit of Red-eared slider in Mikata Lake Fukui prefectural Wakasa high school
- P58 Relation between life and the Water, between Science and the Water in Lake Kasumigaura ① Historical Background ② Gelation Experiment Tsuchiura Nihon Univ. High School Current topics and Society Study Club Science Club
- P60 Chnages of fish fauna of Lake Senba Ibaraki high school
- P62 Distribution and Diversity of Freshwater Crustaceans (Arthropoda: Crustacea) with Notes on Socio-economically Important Species in Lake Dakong Napo, Esperanza, Mindanao Island, Philippines SIBAGAT NATIONAL HIGH SCHOOL OF HOME INDUSTRIES

- P47 Research on freshwater turtles in Kobe, and conservation activities for Japanese domestic pond turtles Kobe Yamate Girls' High School Kame-Love
- P49 Survey of water quality and fauna of the Tonbo pond Ibaraki Nature Museum Junior Staff
- P51 Phototaxis by color in visible light of aquatic organisms Tsuchiura Third High School Science Club
- P53 Microorganisms growing in the beaker. Is there correlation with Kasumigaura? Tsuchiura third high school Science club
- P55 Medaka circumstances in Lake Biwa, Yodo River basin, Tanakami district \sim Through DNA appraisal of medaka inhabiting lakes, rivers and rice field \sim TANAKAMI children's Environment Club
- P57 Evaluation of nutrients removal by triangle sail mussel (Hyriopsis cumingii) in Lake Kasumigaura Tsuchiura First High School Biology Club
- P59 Discussion on biological system and alien fishes in Lake Kasumigaura Mitsukaido Primary High School
- P61 About living together with nature and humans Torideseitoku school drama club & karuta club
- P63 The musical tells conservation activities of lakes and water birds Cinderella, A Musical Company

(11) Social Events

Welcome Party

Date & Time October 14 (Sun.), 2018 18:00-20:00

Venue

 "Shinonome", Hotel Grand Shinonome (488-1 Onozaki, Tsukuba City, Ibaraki Prefecture, 305-0034)

Outline

Prior to the conference, a welcome party will be held. Meals and drinks will be served. Please feel free to attend the party to socialize with other participants.

Participant Get-Together

Date & Time October 18 (Thu.), 2018 18:00-20:00

Venue Conference Rooms 101, 102, Tsukuba International Congress Center

The night before the last day of the conference, networking event for participants will be held. Light meals (snacks) and drinks will be served. It will be the last social event during the conference to exchange views beyond culture and background, while reflecting on the conference.

Reception

Outline

Reception (held on October 15 (Mon.) (8:00-20:00) is only for invitees. For invitees, please bring your invitation letter to the venue.

(12) Exhibition

Date & Time

October 15 (Mon.)-October 19 (Fri.) (Except for 17 (Wed.)) 9:00-17:00 *By 13:00 on October 19

Venue Multi-purpose room, Tsukuba International Congress Center

Outline Companies and research institutes will exhibit their activities and studied cases on "Monitoring Based on Scientific Knowledge" and "Countermeasures and Technologies for Sustainable Use of Ecosystem Services".

Exhibitors' List (Quantity of booth, alphabetical order)

No.	Exhibitor	Quantity	No.	Exhibitor	Quantity
1	Hitachi, Ltd.	6	22	Daio Densetsu Industrial Co., Ltd.	1
2	Environment Management Association Ibaraki	4	23	Forestry and Forest Products Research Institute	1
3	Ibaraki University	4	24	Hiyoshi Corporation	1
4	National Agriculture and Food Research Organization (NARO)	4	25	HORIBA Advanced Techno, Co., Ltd.	1
5	JX Nippon Environmental Services Co., Ltd.	3	26	Housetec Inc.	1
6	Environmental system Inc.	2	27	Ibaraki Co-op	1
7	FUJI CLEAN Co., Ltd.	2	28	Ibaraki-ken Water Quality Conservation Society	1
8	Geospatial Information, Authority of Japan	2	29	IDEA Consultants, Inc.	1
9	KANSEI	2	30	Kyowa Kako Co., Ltd.	1
10	KASUMI Co., Ltd.	2	31	Maezawa Industries, Inc	1
11	National Institute for Environmental Studies	2	32	OMITAMA City Office	1
12	NISHIHARA Environment Co., Ltd.	2	33	OYO Corporation	1
13	Nodak Co.Ltd.	2	34	P.T. ULTRATREX INDONESIA	1
14	Shiga Prefectural Government	2	35	PACIFIC CONSULTANS Co., Ltd.	1
15	University of Tsukuba	2	36	Saitama-ken Environmental Analysis and Research Association	1
16	World Chemical Co.,Ltd.	2	37	Sakasagawa Children's Eco Club with Maruta co	1
17	econet Ibaraki by Tokiwa University Matsubara seminar & Mito Eiko junior high school science club	1	38	Sannyu.co.Ltd,	1
18	Alpha Service Co., Ltd.	1	39	SEIBUTSUGIKEN Co., Ltd.	1
19	ANZAIKANTETSU, Co, Ltd	1	40	The Japan Institute of Wastewater Engineering and Technology (JIWET)	1
20	BL TEC K.K.	1	41	Ubekogyo Co. ,Ltd.	1
21	Ciel Terre Japan Co.,Ltd	1	42	WEF Institute of Technology Inc	1

(13) Panel Exhibition by Sponsored Companies and Groups

Date & Time

October 15 (Mon.)-October 19 (Fri.) 9:00-17:00 *By 13:00 on October 19.

Venue

Aisle on 2F, Tsukuba International Congress Center

Outline Introduction of activities by sponsored and funded groups.

(14) Exhibitions of Activities by Hosts

|--|

October 15 (Mon.) October 16 (Tue.), 18 (Thur.) October 19 (Fri.) 8:00-17:00 9:00-17:00 *Core time 11:00-14:00 9:00-13:00



Conference room 202B, Tsukuba International Congress Center

Introduction of integrated activities on Lake Kasumigaura and so on by Hosts (Ibaraki Prefecture, The International Lake Environment Committee Foundation (ILEC)) and Co-hosts (Nation, city and town)

(15) Workshop

Workshops will be held by conference participants as follows. If you would like to join the workshop, please directly contact the organizer via email with information of your name, affiliation and contact.

Please note the participants are required to register for main conference as well.

*When you use the contact address written in below, please change " \star " to "@".

Workshop 1 "The current state of brackish water lakes in the coastal region of the Japan Sea and the restoration of their ecosystem functions"

There are many brackish lakes in the coastal region of the Japan Sea. We will introduce the current condition of several representative brackish lakes, specifically Lake Shinjiko and Lake Nakaumi, Lake Koyamaike, Lake Hachirogata, Lake Kahokugata, and discuss how to restore the original ecosystem functions to these bodies of water.

Date & Time 18:00-20:00, October 16 (Tue.), 2018

Room Conference room 201A, Tsukuba International Congress Center

Contact Masao NAGASAKA , Kahokugata Lake Institute,

Email: nagasaka ★ seiryo-u.ac.jp

Workshop 2 "Initiatives by local authorities toward making lake environments habitable for shijimi clams"

Discuss the necessary initiatives for collaborating local authorities to improve the water environment of lakes and reservoirs, as well as the ways administrations can further their efforts, based on the characteristics of lakes and the issues they face and sharing initiatives taken in various regions.

Date & Time 18:00-20:00, October 16 (Tue.), 2018

Room Conference room 201B, Tsukuba International Congress Center

Contact Teruko TANAKA, Department of Lake Biwa and the Environment, Lake Biwa Policy Division, Shiga Prefectural Government Email: dk00 ★ pref.shiga.lg.jp

Workshop 3 "Thinking eutrophication with the nitrogen footprint for our dietary life"

Too much reactive nitrogen in the environment can induce severe environmental issues such as eutrophication, global warming, biodiversity reduction, etc. The objectives of this workshop are to understand a new concept "Nitrogen Footprint" and to freely exchange opinions, for example, on the close relationship between the consumers' dietary life style and environmental load of reactive nitrogen and on the effects of improving our dietary life on reducing reactive nitrogen load to the environment.

Date & Ti	me 18:00-20:00, October 16 (Tue.), 2018	
Room	Conference room 202A, Tsukuba International Congress Center	
Contact	Hisao KURODA, College of Agriculture, Ibaraki University	
	Email: hisao.kuroda.agr ★ vc.ibaraki.ac.jp	

Workshop 4

"Information platform, Integrated Lake Basin Management (ILBM) Sustainable Development Goals (SDGs)"

- Understanding the complexity of managing lake environment in Asia and the role of information platform.
- Discuss effective approaches for establishing information platform for the integrated management of the lake and its basins based on the experiences of the lake Biwa, Japan, the lake Laguna, the Philippines, and the Tonle Sap lake, Cambodia.
- Improving participation of stakeholders in the establishment, use, and management of lake information platform.

Date & Time 18:00-20:00, October 16 (Tue.), 2018

Room Conference room 303, Tsukuba International Congress Center

Contact Binaya Raj Shivakoti, Institute for Global Environmental Strategies (IGES) Email: shivakoti ★ iges.or.jp

Workshop 5 "Issues and management challenges of lake basin management of South Asia" To deliberate and share experience on the issues and challenges of lake basin management in South Asia

Date & Time 18:00-20:00, October 16 (Tue.), 2018

Room Conference room 304, Tsukuba International Congress Center

Contact Ajit Kumar Pattnaik, Wetlands International South Asia Email: ajitpattnaik13 ★ gmail.com

Workshop 6 "Let's share the information and ideas on citizen activities for waterfront environment and societies."

Sharing Information and ideas on Citizen Activities for the Waterfront Environment and Societies Date & Time 18:00-20:00, October 16 (Tue.), 2018

Room Conference room 404, Tsukuba International Congress Center

Contact Tai HARADA, Kasumigaura Academy

Email: workshop17wlc ★ tharada.sakura.ne.jp

Workshop 7 "People living in Nishiura / Kitaura <Millennium Village> —Historical analysis of sustainable waterside living-"

The Lake Kasumigaura water system is an area developed together with rice culture. Because the existing place name is published in the dictionary of the 10th century, there is also the name of "Millennium Village". By analyzing the living people's living on the waterside of Lake Kasumigaura in the case of "Millennium Village", we will consider the relationship between people and lakes in the future.

ne 18:00-20:00, October 16 (Tue.), 2018		
18:00-20:00, October 17 (Wed.), 2018		
Conference room 406, Tsukuba International Congress Center		
Eiji TAKANO, Hitachinokuni waterside space forum		

Email: m50864su ★ yahoo.co.jp

Workshop 8 "Meeting of participants in Knowledge Co-Creation Program (ILBM etc.)" Building a relationship between trainees getting the knowledge of ILBM, we will use it for the future lake management.

 Date & Time
 18:00-20:00, October 17 (Wed.), 2018

 Room
 Conference room 201A, Tsukuba International Congress Center

 Contact
 Nobuko YAMAZAKI, International Lake Environment Committee (ILEC)

 Email: infoilec ★ ilec.or.jp

Workshop 9 "Successful Report on Water pollution control of African lakes and stop starvation by propagation of Ecosan toilets—Aiming at SDGs 2,6 and 14"

NICCO has been working with Lake Malawi and Lake Victoria areas for supporting village development, eliminating starvation by providing Ecosan toilets and clean water. Point source pollution was controlled and agricultural yields increased in the villages. NICCO's experiences can be easily propagated to other parts of the world. This workshop provides such experiences by African experts.

Date & Time 18:00-20:00, October 17 (Wed.), 2018

Room Conference room 201B, Tsukuba International Congress Center

Contact Kenta KITAGAKI, Nippon International Cooperation for Community Development (NICCO)

Email: info ★ kyoto-nicco.org

Workshop 10 "Cooperation between Indonesia and Japan towards the policy development of sustainable lake management"

By sharing the current status, issues of management and the direction of countermeasures of the lakes both in Indonesia and Japan, we will contribute to the policy development of sustainable lake management in both countries in the future.

		-
Date & Time 18:00-20:00, October 17 (Wed.), 2018		ne 18:00-20:00, October 17 (Wed.), 2018
	Room	Conference room 202A, Tsukuba International Congress Center
	Contact	Tadasu YAMADA, Water Environment Division, Environmental Managemnt Bureau,
		Ministry of the Environment

Email: MIZU13 🛧 env.go.jp

Memo

(16) Excursions

Kasumigaura Course

Date & Time 8:40–16:50 on October 17 (Wed), 2018

Outline Visit national and prefectural environmental facilities around Lake Kasumigaura. Experience the ecosystem services of Lake Kasumigaura and learn about initiatives for its water purification.

Itinerary

(Departure times, arrival times and the excursion order may change depending on the excursion group.)

Time	Time at site	Course (Refer to numbers on site map)	Location
8:40		(Depart)	Tsukuba International Congress Center
9:05-9:25	20 min	① Site visit	Ishida Lakeshore
9:35-10:10	35 min	2) Site visit	Nature Restoration Project (Section B)
10:20-11:00	40 min	③ Site visit	Nature Restoration Project (Section H)
11:00-11:05	5 min	④ Site visit	Kawajirigawa Wetland
11:10-13:00	110 min	⑤ Presentation, lunch	Ibaraki Kasumigaura Environmental Science Center
13:20-14:10	50 min	6 Site visit	Ibaraki Prefectural Lake Basin Sewerage Office
14:20-15:10	50 min	 Site visit 	Lake Kasumigaura Direct Purification Test Facility
15:25-16:15	50 min	⑧ Site visit	Ibaraki Prefectural Kasumigaura Water Purification Plant
16:50		(Arrival)	Tsukuba International Congress Center

Site Map



(This map is based on the Digital Map (Basic Geospatial Information) published by Geospatial Information Authority of Japan.)

Outline of sites visited



Ibaraki Kasumigaura Environmental Science Center

Site visited	Outline
j.	6 Ibaraki Prefectural Lake Basin Sewerage Office
	[Kohoku, Tsuchiura City]
	This office promotes projects based on the key policies of restoration and creating a society in which people can live with peace of mind. As a countermeasure for domestic wastewater, it is purified at a sewage plant and discharged into Lake Kasumigaura and into the sea and rivers.
-	⑦ Lake Kasumigaura Direct Purification Test Facility
	[Kawaguchi, Tsuchiura City] Demonstration testing to control outbreaks of phytoplankton and to improve water quality are being conducted, by pumping up lake water in Tsuchiura Port
	and reducing phosphorus and other elements that are a factor in the proliferation of algal blooms and other phytoplankton.
	8 Ibaraki Prefectural Kasumigaura Water Purification Plant
	[Aoyado, Amimachi, Oiwata, Tsuchiura City, Inashiki District]
	This is a water purification plant that sources water from Lake Kasumigaura. It
	supplies tap water to places including Tsukuba City and Tsuchiura City. In order to provide a stable supply of safer and more secure tap water, efforts are underway to introduce new advanced water treatment technologies.

Lakes Kitaura, Hinuma and Senba Course

Date & Time

8:00-17:25, October 17(Wed.), 2018

Outline Visit the lakes of Kitaura, Hinuma and Senba, and be introduced to the initiatives of relevant organizations related to Lake Hinuma—a wetland site registered under the Ramsar Convention.

Itinerary

Time	Time at site	Course (Refer to no. on site map)	Location
8:00		(Depart)	Tsukuba International Congress Center
9:10-9:40	30 min	① Site visit	Northern Kitaura Area
10:10-12:40	150 min	2 Presentation, lunch	Ikoinomura Hinuma
13:20-13:40	20 min	③ Site visit	Hinuma Nature Park
14:20-15:20	60 min	④ Site visit	Naka Pumping Station (Kasumigaura Water Conveyance Project)
15:40-16:15	35 min	5 Site visit	Lake Senba
17:25		(Arrival)	Tsukuba International Congress Center

Site Map



(This map is based on the Digital Map (Basic Geospatial Information) published by Geospatial Information Authority of Japan.)

Outline of sites visited		
Site visited	Outline	
	① Northern Kitaura Area [Yasuzuka, Hokota City] The Northern Kitaura Area retains an untouched natural environment that could be described as archetypal Japanese landscape. Especially in the basin wetlands of the Hokota River and Tomoe River, which are adjacent to the old town, you can see a rich natural environment, including diverse organisms and aquatic flora.	
 Presentation Lunch 	② Ikoinomura Hinuma [Minowa, Hokota City] This onsen (hot spring) resort fronts Lake Hinuma, the only brackish lake in the Kanto region. Located on the resort premises, the Information Plaza showcases the nature and other aspects of Lake Hinuma—a designated Ramsar site—in an exhibition titled "Feel the Nature, History and Culture of Lake Hinuma."	
the second	 [Presenting organizations] Ohinuma Fisheries Cooperative The Promotion Committee of Hinuma Ramsar Site The Association of Lake Hinuma, Registered Ramsar Site 	
	③ Hinuma Nature Park [Nakaishizaki, Ibarak Town, Higashiibaraki District] Located close to Lake Hinuma, this park takes advantage of the natural topography. Walking trails and streams flow through the park, where you can enjoy seasonal flowers and birdlife, and the Taiyo no Hiroba located on a high point of the park provides a sweeping view of Lake Hinuma.	
	Aka Pumping Station (Kasumigaura Water Conveyance Project) [Wataricho, Mito City] The Naka Pumping Station is part of the Kasumigaura Water Conveyance Project, the aims of which include maintaining the normal functions of water purification and flow. From pumps installed in the pumping station, water from the Naka River is conveyed through underground tunnels to Lake Kasumigaura and Sakura River. Water from Lake Kasumigaura to Naka River is also conveyed through this facility.	
	(5) Lake Senba [Senbacho, Mito City] Located roughly in the center of Mito City, Lake Senba is both a relaxing place for residents and a welcoming place for tourists. Kairakuen (considered one of the Three Great Gardens of Japan) offers a particularly spectacular view over the lake.	

(17) Satellite Venues: Environmental Events

Environmental events (environmental fairs, symposiums, etc.) are scheduled to be held in cooperation with citizens groups and other organizations in five cities and towns neighboring Lake Kasumigaura, Lake Hinuma and Lake Senba (Tsuchiura City, Kasumigaura City, Hokota City, Ibaraki Town and Mito City).

The outcomes of activities at satellite venues will be announced at the Lake Kasumigaura Session and the Lakes Session.

(1) Hobikisen Festival with WLC

May 4 (Fri.), 2018 (public holiday)

Venue Ayu Outline · E

Date

Ayumizaki Park (Saka, Kasumigaura City)

- Exhibition of hobikisen (dragnet fishing boat with sails), operation of hobikisen and viewing from a tour boat, video introducing hobikisen, and a workshop on making miniature hobikisen
 - Tasting of shirauo-don (bowl of rice topped with whitebait)
 - \cdot Exhibition on purifying the water in Lake Kasumigaura

(2) Mito City Environment Fair 2018



June 3 (Sun.), 2018

Senba Park (Senbacho, Mito City)

Symposium, workshops

- Hands-on events (boating, biotope-making, fishing exotic species, Segway-riding, etc.)
- · Locally produced gourmet foods, flea market

(3) Kasumigaura Swimming Citizens' Festival



July 16 (Mon.), 2018 (public holiday)

In front of Kaho-no-Yu (Suigo People's Lodge) (Oiwata, Tsuchiura City)

- Outline Presentations and discussions by high school students in and around Tsuchiura City on the future of lakes and lake basins (High School Conference)
 - Poster exhibition by high school students on a theme
 of natural and environmental sciences







• Hands-on events (canoeing, net casting game, making art with waste glass, microscopy, bookmark-making, quiz rally, etc.)

(4) Summer Festival in Ibaraki Kasumigaura Environmental Science Center



August 25 (Sat.), 2018

Ibaraki Kasumigaura Environmental Science Center (Okijukumachi, Tsuchiura City)

- Outline Activities report and panel discussion by fishers, farmers, forestry workers, Satoyama conservation NPO and university students on the future of lakes and lake basins
 - Hands-on events (kids fishing class, touching pool, quiz rally, various science experiment and craft classes, etc.)



(5) Lecture and Symposium on Hobikisen: Hobikisen and fish food culture in Kasumigaura



Date

Venue

Outline

September 16 (Sun.), 2018

Rural Environment Improvement Center Museum of History (Saka, Kasumigaura City)

- Outline Exploration for new symbiotic relationships with Lake Kasumigaura, through keynote speech and panel discussion by fisheries professionals and those involved in fisheries administration
 - Presentations by elementary and junior high school students on their environmental studies
 - Tasting of river fish dishes
 - Flotilla of seven colored hobikisen (dragnet fishing boat with sails) (joint operation between Tsuchiura City, Namegata City and Kasumigaura City)
 - Special exhibition at the Museum of History commemorating the World Lake Conference
 - The Role of Hobikisen in the History of Japanese Fisheries (Sep-Nov)

(6) 4th Hinuma Environment Festival: Ramsar Symposium in Hinuma

September 30 (Sun.), 2018

- Hinuma Nature Park (Nakaishizaki, Ibaraki Town)
- Symposium on Lake Hinuma's designation under the Ramsar Convention
 - Presentation of case studies by elementary and high school students
 - Panel exhibition of initiatives by environmental groups, businesses and government, and an exhibition of fish from around Lake Hinuma
 - · Tasting of shijimi (freshwater clams) soups and agricultural products
 - Aerial observation of Hinuma area by hot-air balloon, and observation of Hinuma by yakatabune (a classic, low-barge-style boat)
 - · Goby (haze) fishing

(7) Hokota City: Satellite venue for the World Lake Conference

Date October 8 (Mon.), 2018 (public holiday) Venue Hokota Comprehensive Park (Toma, H

Hokota Comprehensive Park (Toma, Hokota City) and other places

- Outline
- Presentations by elementary, junior and high school students on their environmental studies
- · Panel exhibition on civic activities
- · Participation in civic activities (Jul-Oct)
 - ▷ Firefly viewing
 - \triangleright Little bittern watching
 - > Nature experience while Nordic walking
 - > Swallow roost watching
 - > Great crested grebe watching





(8) Satellite Tsuchiura Main Events



Outline

October 13 (Sat.), 2018

L'AUBE (main venue), Tsuchiura Port and J:COM Stadium Tsuchiura (Kawaguchi, Tsuchiura City); and Arcus Tsuchiura, Urara Oyane Hiroba and Ibaraki Prefectural Lifelong Learning Center Kennan (Yamatocho, Tsuchiura City)

Citizen groups, national, prefectural and municipal governments, and companies will organize panel



exhibitions and oral presentations and exchange opinions on the various initiatives and activities they are conducting in the Lake Kasumigaura basin.

• Coastal levee wall art, lake photo exhibition, picking up waste (garbage) by dust control volunteer corps, canoe and yacht experience, sightseeing boats, "Tsuchiura Suki! [We love Tsuchiura]" live performance, 13th Tsuchiura Environment Exhibition, and more

7 Venue Information

Exhibition Pray Room (for men) Multi-purpose Room 8 Simultaneous Interpretation Device desk %16th, 18th, 19th 0 G Front Main Entrance ↓↑ IIII ↓↑ IIII Ì **ŧ**I† П **i**) 0 **i** Cloal с Conference Facilities Registration -Copy machine, FAX (pay), available in administration office -Restaurant ("ESPOIR" TEL: +81-29-850-3266) Room Travel Desk 101, 102 -Coin-operated lockers (Free, coin will be returned.) *Public phone (ISDN line, international call are available) are set in each floor. ۳٩ I Office • ¶ 0 PC Desk Restaurant Student Conference (Poster) Technical Sessions (Poster) Information Desk Participant Get-Together

Tsukuba International Congress Center 1F

Tsukuba International Congress Center 2F





Tsukuba International Congress Center 3F

8 Information

(1) Program for participants

Dates
Venue
Outlin

October 16 (Tue.) and 18 (Thur.)

Entrance Hall, Tsukuba International Congress Center

An entertaining program of activities will be prepared for domestic and international participants, including an activity for participants to experience the comfort of wearing "Yuki-Tsumugi," the Japanese craft of silk cloth which has been inscribed on the UNESCO List of Intangible Cultural Heritage. Please be sure to check it out!

(2) Information on nearby parking lots

Please use the nearby paid parking lots indicated by the bold red border (South 2nd, South 3rd and South 4th Parking). Please do not park at the Tsukuba Center for Institutes or at nearby stores.

For further details on nearby parking lots, please see the Tsukuba Urban Transportation Center (TUTC) website

TUTC website: https://www.tutc.or.jp/carpark

* Parking spaces are limited, so please use public transportation wherever possible.



*There is a hedge here.

Please do not park at the Tsukuba Center for Institutes or at nearby stores.

(3) Information on nearby accommodation

For information on accommodation around Tsukuba City, please see the Tsukuba Tourism and Convention Association (TTCA) website. TTCA website: http://www.ttca.jp/?page_id=45

(4) Information on nearby restaurants

For information on restaurants around the venue, please see website: http://www.tsukucen.net/about/gourmetmap/ *Website is written in Japanese, but English ver. of each map (restaurant and shop guide) is available under the Japanese ver. Please note "Restaurant ESPOIR" located in the venue is closed on October 15 (Mon.)

(5) Other information

- (i) Information for people with disabilities, etc.
 - If you have a disability, use a wheelchair or are pregnant, please contact the Secretariat in advance. We will make arrangements for a parking lot near the venue. Contact number before the conference: +81-3-3263-8695 Contact number during the conference: +81-29-861-0601
- (ii) If you feel unwell, please advise a nearby member of staff.

9 About Ibaraki Prefecture

Ibaraki Prefecture, home to Mt. Tsukuba and Laka Kasumigaura, is blessed with rich nature, favorable climate, a distinct history and culture, and coastlines covering a total length of 190 kilometers. Ibaraki prefecture is a region with an array of attractions. In addition to its wealth of cutting-edge science, technology, and sophisticated manufacturing industries, Ibaraki Prefecture is renowned for its agriculture as it holds the second largest domestic agricultural output, and well-maintained land, sea and air transportation networks.



①Excursions Kasumigaura Course (P.79)



Ibaraki Kasumigaura Environmental Science Center ②Excursions Lakes Kitaura, Hinuma and Senba Course (P.82)



Ikoinomura Hinuma

Satellite Venues (P.84) ③Kasumigaura City



Hobikisen Festival with WLC

4 Mito City



Mito City Environment Fair 2018

5 Tsuchiura City



Kasumigaura Swimming Citizens' Festival

6lbaraki Town



4th Hinuma Environment Festival: Ramsar Symposium in Hinuma

⑦Hokota City



Hokota City: Satellite venue for the World Lake Conference

Sightseeing in Tsukuba City and vicinity

(1) Mount Tsukuba

Mount Tsukuba (877m) is a certified Japan Geopark and attracts many climbers and tourists. The summit of the mountain can easily be reached via ropeway or cable car, and from here, you can enjoy a spectacular view. Other places of interest on the side of the mountain can be enjoyed by adults and children alike, and include Tsukubasan Shrine, which is dedicated to the god of matchmaking and matrimonial





Watch, play, learn, experience, and discover the best that Mt. Tsukuba has to offer each season!

happiness, Mount Tsukuba hot springs, which are effective in clearing the skin, and Forest Adventure Tsukuba, which utilizes the forest topography and trees.

Sightseeing information on Mount Tsukuba: Tsukuba Tourism and Convention Association (TTCA) http://www.ttca.jp

(2) Tsukuba Science Tour

Educational visits are available at about 50 facilities in Tsukuba City. In addition, in order for visitors to enjoy a science tour in Tsukuba Science City, the Tsukuba Science Tour Bus operates every Saturday, Sunday and public holiday. Passengers can hop on and off the bus as they like for the day as the bus makes a loop around six research facilities.



[Inquiries]

Tsukuba Science Tour Office, The Science and Technology Promotion Foundation of Ibaraki c/- Tsukuba International Congress Center

2-20-3 Takezono, Tsukuba City, Ibaraki Prefecture

https://www.i-step.org/tour/en_tsukuba-science-tour-bus.html

Tsukuba Science Tour Search

10 Organization

(1) 17th World Lake Conference (Lake Kasumigaura, Ibaraki, 2018) Executive Committee

Chair	Kazuhiko Oigawa	Governor, Ibaraki Prefecture
Vice chair	Kazuhiko Takemoto	President, International Lake Environment Committee Foundation (ILEC)
Vice chair	Yoshimasa Uno	Vice Governor, Ibaraki Prefecture (in charge of the Department of Residential and Environmental Affairs)
Members	Tomohiro Bessho	Director-General for Technological Affairs, Ministry of Agriculture, Forestry and Fisheries/
Mombolo		Director-General, Agriculture, Forestry and Fisheries Research Council
	Takemi Ebisawa	President, Kitaura Wide area Fisheries Cooperative
	Kohshi Hataya	Director, -Challenge Ibaraki- Residents Movement
	Keiko Hattori	Chairperson, Ibaraki Federation of Women's Organizations
	Kazuo Ichimura	Chairperson, 2018 Citizens' Association that works closely with the World Lake Conference
	Tatsuo Igarashi	Mayor, Tsukuba City
	Kenji Kanao	President, Japan Water Agency
	Kazuo Kishida	Mayor, Hokota City
	Shigeji Kitajima	President, Ibaraki Broadcast System
	Norio Kobayashi	Mayor, Ibaraki Town
	Kazuo Kyuma	President, National Agriculture and Food Research Organization
	Saburo Matsui	Chairperson, 17th World Lake Conference Project Promotion Committee
	Nobuo Mimura	President, Ibaraki University
	Kyosuke Nagata	President, Indukt Oniversity President, University of Tsukuba
	Kiyoshi Nakagawa	Chairperson, Ibaraki Association of City Mayors/
	Riyosiii Nakagawa	Mayor, Tsuchiura City/
		Chairperson, Council to Resolve Pollution Problems In Lake Kasumigaura
	Tsuneo Nakahara	Director of Mito Station, NHK
	Kazuo Nakayama	Chairperson, Ibaraki River Association
	Kazuhiro Nishikawa	President, Public Works Research Institute
	Shun Onodera	Vice Governor, Ibaraki Prefecture
	Takashi Otabe	President, The Ibaraki Shimbun
	Yoko Sakurai	Chairperson, Ibaraki Liaison Committee of Regional Women's Organizations
	Osamu Sano	Chairperson, Ibaraki Agricultural Cooperatives Association/
	Osaniu Sano	Chairperson, Ibaraki Livestock Industry Association
	Morio Someya	Chairperson, Ibaraki Association of Towns and Villages
	Yasushi Takahashi	Mayor, Mito City
	Noriyuki Takasugi	Chairperson, Ibaraki Federation of Inlandwater Fisheries Cooperatives
	Satoshi Tanaka	Director-General, Environmental Management Bureau, Ministry of the Environment
	Toru Tsuboi	Mayor, Kasumigaura City
	Hirokazu Tsukahara	Director-General, Water and Disaster Management Bureau, Ministry of Land, Infrastructure, Transport and
	Thiokazu Tsukanara	Tourism
	Seiki Usui	President, Kasumigaura Fisheries Cooperative
	Chiho Watanabe	President, National Institute for Environmental Studies
	Takeshi Watanabe	Chairperson, Economic Council of Ibaraki
	Tsuneo Yamaoka	Chairperson, Ibaraki Prefectural Assembly
Auditors	Yasuo Imazeki	Director and Secretary General, Ibaraki Association of City Mayors, Ibaraki Association of Towns and Villages
	Hideki Kakuta	Accounting official, Ibaraki Prefecture

(2) Project Promotion Committee

Chairpersor	Saburo Matsui	Trustees, International Lake Environment Committee Foundation
Vice	Takehiko Fukushima	Center Director, Ibaraki Kasumigaura Environmental Science Center
chairperson		
Vice chairperson	Masahisa Nakamura	Vice President, International Lake Environment Committee Foundation
Members	Kaoru Abe	Director, Division of Biogeochemical Cycles, Institute for Agro-Environmental Sciences, National
		Agriculture and Food Research Organization
	Hideaki Goto	Deputy Mayor, Tsuchiura City
	Koji Hino	Director General, Dam Project Department, Headquarters of Dam Affairs, Japan Water Agency
	Shigekazu Ichiki	Secretary-General, International Lake Environment Committee Foundation
	Kazuo Ichimura	Chairperson, 2018 Citizens' Association that works closely with the World Lake Conference
	Tetsuo lino	Deputy Mayor, Tsukuba City
	Akio Imai	Head, Lake Biwa Branch Office, National Institute for Environmental Studies
	Makoto Kagawa	Professor Emeritus, Ryutsu Keizai University
	Yuichi Kayaba	Director, Water Environment Research Group, Public Works Research Institute
	Hirobumi Kobayashi	Deputy Mayor, Ibaraki Town
	Yoshijirou Kobayashi	Executive Director, -Challenge Ibaraki- Residents Movement
	Kazuya Kumagai	Director, Water Environment Division, Environmental Management Bureau, Ministry of the Environment
	Hisao Kuroda	Professor, Department of Regional and Comprehensive Agriculture, College of Agriculture, Ibaraki
		University
	Masakazu Mitsunari	Director of River Environment Division, Water and Disaster Management Bureau, Ministry of Land,
		Infrastructure, Transport and Tourism
	Ichiro Nakagawa	Director of Environment Policy Office, Policy Planning Division, Ministry of Agriculture, Forestry and
		Fisheries
	Reiko Nakamura	Secretary-General, Ramsar Center Japan
	Yoshiro Ono	President, Japan Society on Water Environment/
		Professor and Vice President, Kyoto Institute of Technology
	Akira Saito	Director General, Department of Residential and Environmental Affairs, Ibaraki Prefecture
	Hisanobu Sato	Director, River Department, Kanto Regional Development Bureau, Ministry of Land, Infrastructure,
		Transport and Tourism
	Shunichi Shioya	Director, Rural Development Division, Kanto Regional Agricultural Administration Office, Ministry of
		Agriculture, Forestry and Fisheries
	Mitsuru Tajiri	Deputy Mayor, Mito City
	Toshiyuki Terakado	Deputy Mayor, Hokota City
	Motoo Utsumi	Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba
	Hiroya Yamano	Director, Center for Environmental Biology and Ecosystem Studies, National Institute for Environmental
		Studies
	Norio Yokose	Deputy Mayor, Kasumigaura City

(3) Technical Sessions Steering Committee

Chairpersor	Takehiko Fukushima	Center Director, Ibaraki Kasumigaura Environmental Science Center
Members	Kunihiko Amano	Director, River Department, National Institute for Land and Infrastructure Management, Ministry of Land,
		Infrastructure, Transport and Tourism
	Hiroaki Furumai	Professor, Research Center for Water Environment Technology, Graduate School of Engineering, The
		University of Tokyo
	Akio Imai	Head, Lake Biwa Branch office, National Institute for Environmental Studies
	Makoto Kagawa	Professor Emeritus, Ryutsu Keizai University
	Hisao Kuroda	Professor, Department of Regional and Comprehensive Agriculture, College of Agriculture, Ibaraki University
	Masahisa Nakamura	Vice President, International Lake Environment Committee Foundation
	Kahoru Ogawa	Director, Kahoru Ogawa Environmental Education Office
	Hiroaki Tanaka	Professor, Research Center for Environmental Quality Management, Graduate School of Engineering, Kyoto
		University
	Hiroya Yamano	Director, Center for Environmental Biology and Ecosystem Studies, National Institute for Environmental Studies

(4) Technical Sessions Working Group

Technical Session]			
Chairperson	Masatoshi Denda Kohji Mabuchi	Senior Researcher, Water Environment Research Group, Public Works Research Institute Senior Researcher, Lake Biwa Branch office, Center for Environmental Biology and Ecosystem Studies, National Institute for Environmental Studies	
	Jun Nishihiro Hiroya Yamano	Associate Professor, Department of Environmental Science, Faculty of Science, Toho University Director, Center for Environmental Biology and Ecosystem Studies, National Institute for Environmental Studies	
	Takehito Yoshida	Associate Professor, Department of General Systems Studies, The University of Tokyo	
Technical Se	ssion 2		
Chairperson	Kunihiko Amano	Director, River Department, National Institute for Land and Infrastructure Management, Ministry of Land, Infrastructure, Transport and Tourism	
	Toshiharu Kataoka	Director, Environmental Division, Tonegawa Karyu Integrated Operation and Maintenance Office, Japan Water Agency	
	Sachio Oguri	Deputy General Manager, Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism	
	Makoto Umeda	Associate Professor, Graduate School of Engineering, Department of Civil and Environmental Engineering, Tohoku University	
	Hiroshi Yajima	Deputy Director Professor, Estuary Research Center, Shimane University	
Technical Se	ssion 3		
Chairperson	Kazuhide Hayakawa Akio Imai	Deputy Division Director, System analysis Division, Lake Biwa Environmental Research Institute Head, Lake Biwa Branch office, National Institute for Environmental Studies	
	Zin'ichi Karube Ayato Kozu	Lecturer, department of Biotechnology and Chemistry, Faculty of Engineering, Kindai University Head, Center for Regional Environmental Research Lake and River Environment Section, National	
	Motoo Utsumi	Institute for Environmental Studies Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba	
Technical Se	ession 4		
	Makoto Kagawa	Professor Emeritus, Ryutsu Keizai University	
	Hiroshi Nagai	Chief director, Historical Materials and Liberal Arts Department, Ibaraki Prefectural Archives and Museum	
	Satoshi Nagano	Associate Professor, College of Social Sciences, Ritsumeikan University	
	Atsushi Numazawa	Research Advisor, Kasumigaura Citizens' Association	
	Yang Ping	senior research scientist, Lake Biwa Museum	
	Kentaro Tamino	Professor, Faculty of Health & Sport Sciences, Ryutsu Keizai University	
	Hironobu Wakatsuki	Associate Professor, Department of Business Administration, Kinjo College	
Technical Se	ssion 5		
Chairperson	Sadao Eguchi	Leader, Soil, Water and Nutrient Cycle Unit, Division of Biogeochemical Cycles, Institute for Agro- Environmental Sciences, National Agriculture and Food Research Organization	
	Tomijiro Kubota	Leader, Hydrology and Water Resources Unit, Division of Regional Resources Engineering, Institute for Rural Engineering, National Agriculture and Food Research Organization	
	Hisao Kuroda Kazuya Nishina	Professor, Department of Regional and Comprehensive Agriculture, College of Agriculture, Ibaraki University Senior Researcher, Soil Environment Section, Center for Regional Environmental Research, National	
	Masaru Yamaoka	Institute for Environmental Studies Leader, Aquatic Environmental Engineering Unit, Division of Hydraulic Engineering, Institute for Rural	
		Engineering, National Agriculture and Food Research Organization	
Technical Se	ession 6		
Chairperson	Ichiro Embutsu	Chief Researcher, Center for Technology Innovation-Control, Hitachi Research Institute, Research and Development Group, Hitachi, Ltd.	
	Bunkei Matsushita	Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba	
	Keigo Nakamura	Senior Researcher, Water Environment Research Group, Public Works Research Institute/Director, Aqua Restoration Research Center, Public Works Research Institute	
	Shin-ichi Nakano	Professor, Center for Ecological Research, Kyoto University	
	Hiroaki Tanaka	Professor, Research Center for Environmental Quality Management, Graduate School of Engineering, Kyoto University	
	Hiroaki Tao	Director - General AIST Shikoku, National Institute of Advanced Industrial Science and Technology	

Technical Session 7			
	Masafumi Fujita	Associate Professor, Urban and Civil Engineering, Graduate School of Science and Engineering (Engineering)Department, Ibaraki University	
	Hiroaki Furumai	Professor, Research Center for Water Environment Technology, Graduate School of Engineering, The University of Tokyo	
	Ikurou Kasuga	Associate Professor, Water Environment Technology Lab, Urban Environmental Engineering Course, Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo	
	Kazuhiro Komatsu	Senior Researcher, Lake and River Environment Section, Center for Regional Environmental Research, National Institute for Environmental Studies	
	Hitoshi Tanaka	Group Reader, Senior Researcher, Water Environment Group, Center for Environmental Science in Saitama	
Technical Session 8			
Chairperson	Tai Harada	director, Specified Non-profit Organization Kasumigaura Academy	
	Shinji Ide	Professor, School of Environmental Science, the University of Shiga Prefecture	
	Munetsugu Kawashima	Professor Emeritus, Shiga University	
	Kahoru Ogawa	Director, Kahoru Ogawa Environmental Education Office	
	Hiromi Oikawa	Director General, Certified Non-profit Organization for Nature Conservation and History Transmission of Shishitsuka Satoyama	
Technical Session 9			
Chairperson	Isao Endo	Fellow, Institute for Global Environment Strategies	
	Naoko Hirayama	Assistant Professor, Department of Environmental Policy and Planning, School of Environmental Science, University of Shiga Prefecture	
	Victor Shiholo Muhandiki	Senior Researcher, International Lake Environment Committee Foundation	
	Masahisa Nakamura	Vice President, International Lake Environment Committee Foundation	
	Keiko Wada	Deputy Director, Institute of Lake Biwa-Yodo River Water Environmental Research, Lake Biwa-Yodo River Water Quality Preservation Organization	

(5) Lake Kasumigaura Session Committee

Chairperson	Takehiko Fukushima	Director, Ibaraki Kasumigaura Environmental Science Center
Members	Takemi Ebisawa	President, Kitaura Wide Sea-area Fisheries Cooperative
	Ichiro Fukaya	Senior Director, Ibaraki Agricultural Cooperative Association
	Masanori Hirohara	Manager, Life Environmental Section, Civic Division, Kasumigaura City
	Tomio Kobayashi	Manager, Production Engineering Environment Section, Production Division, Kanto Regional Agricultural
		Administration Office, Ministry of Agriculture, Forestry and Fisheries
	Kazuya Kumagai	Director, Water Environment Division, Environmental Management Bureau, Ministry of the Environment
	Shinichiro Matsuzaki	Senior Researcher, Center for Environmental Biology and Ecosystem Studies, National Institute for
		Environmental Studies
	Kazuhiro Mizuta	Manager, Environmental Conservation Section, Civic Life Division, Tsuchiura City
	Motohiko Sano	Senior Director, Ibaraki Livestock Industry Association
	Yoshihiro Sugaya	Manager, Life Environmental Section, Civic Division, Hokota City
	Yukio Suzuki	Economic Council of Ibaraki (Kasumigaura Society of Commerce and Industry)
	Toshio Takishita	Vice President (Kasumi session), 2018 Citizens' Association that works closely with the World Lake
		Conference
	Tsuyoshi Tatsuno	General Manager, Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of Land,
		Infrastructure, Transport and Tourism
	Seiki Usui	President, Kasumigaura Fisheries Cooperative
	Motoo Utsumi	Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba
	Koji Yoshikawa	Head of River Environment Division, River Department, Kanto Regional Development Bureau, Ministry
		of Land, Infrastructure, Transport and Tourism

(6) Lakes Session Committee

Chairperson Takehil	ko Fukushima Direc	or, Ibaraki Kasumigaura Environmental Science Center
Members Kaoru	Abe Direc	or, Division of Biogeochemical Cycles, Institute for Agro-Environmental Sciences, National
	Agric	ulture and Food Research Organization
Yayoi F	⁻ unahashi Direc	or for River Environment Coordination, River Environment Division, Water and Disaster
	Mana	gement Bureau, Ministry of Land, Infrastructure, Transport and Tourism
Eiichi I	Hayashi Mana	ger, Environmental Section, Life Environmental Division, Mito City
Shinji I	de Profe	ssor, School of Environmental Science, the University of Shiga Prefecture
Akio In	nai Head	, Lake Biwa Branch Office, National Institute for Environmental Studies
Yuichi	Kayaba Direc	or, Water Environment Research Group, Public Works Research Institute
Naoki	Komatsu Direc	tor General. Shiga Prefectural Government
Ayato I	Kozu Head	, Center for Regional Environmental Research Lake and River Environment Section, National
	Institu	ite for Environmental Studies
Kazuya	a Kumagai Direc	tor, Water Environment Division, Environmental Management Bureau, Ministry of the Environment
Mitsug	u Kuroda Mana	ger, Green Environmental Section, Life Economic Division, Ibaraki Town
Reiko	Nakamura Secre	tary-General, Ramsar Center Japan
Mieko	Otani Secre	tary-General, -Challenge Ibaraki- Residents Movement
Kai-Qir	n XU Princi	pal Researcher, Center for Material Cycles and Waste Management Research, National Institute
	for Er	vironmental Studies
Hiroshi	•	tor General, River Environment Division, Land Development Department, Chiba Prefecture
Koji Yo	shikawa Head	of River Environment Division, River Department, Kanto Regional Development Bureau, Ministry
	of La	nd, Infrastructure, Transport and Tourism

(7) Satellite Venue Coordination Committee

Chairperson	Shigeki Kurita	Director, Environmental Management Division, Department of Civil Affairs and the Environment, Ibaraki Prefecture
Members	Akira Abe	Vice President(working with Tsuchiura City), 2018 Citizens' Association that works closely with the
		World Lake Conference (Kasumigaura Citizens' Association)
	Eiichi Hayashi	Manager, Environmental Section, Life Environmental Division, Mito City
	Masanori Hirohara	Manager, Life Environmental Section, Civic Division, Kasumigaura City
	Toshio litsuka	Vice Chairperson (working with Kasumigaura City), 2018 Citizens' Association that works closely with
		the World Lake Conference (Household Effluent Purification Promotion Group of Kasumigaura City)
	Masahiko Koike	Deputy General Manager, Kasumigaura Conveyance Work Office, Kanto Regional Development
		Bureau, Ministry of Land, Infrastructure, Transport and Tourism
	Mitsugu Kuroda	Manager, Green Environmental Section, Life Economic Division, Ibaraki Town
	Kazuhiro Mizuta	Manager, Environmental Conservation Section, Civic Life Division, Tsuchiura City
	Sachio Oguri	Deputy General Manager, Kasumigaura River Office, Kanto Regional Development Bureau, Ministry of
		Land, Infrastructure, Transport and Tourism
	Masayuki Osone	Vice Chairperson (working with Hokota City), 2018 Citizens' Association that works closely with the
		World Lake Conference (World Lake Conference Northern Kitaura District Promotion Meeting)
	Yoshihiro Sugaya	Manager, Life Environmental Section, Civic Division, Hokota City
	Masamichi Takahashi	Vice Chairperson (working with Mito City), 2018 Citizens' Association that works closely with the
		World Lake Conference (Environmental Conservation Conference of Mito City)
	Akitoshi Yagi	Deputy General Manager, Hitachi River and National Highway Office, Kanto Regional Development
		Bureau, Ministry of Land, Infrastructure, Transport and Tourism
	Yaeko Yahagi	Vice Chairperson (working with Ibaraki Town), 2018 Citizens' Association that works closely with the
		World Lake Conference (Clean up Hinuma Network)

(8) Student Conference Committee

Chairperson	Mieko Kuwana	Executive Director, Department of Residential and Environmental Affairs
Members	Osamu Abe	Professor, College and Graduate School of Sociology, Rikkyo University
	Yayoi Haraguchi	Professor, College of Humanities and Social Sciences, Ibaraki University
	Shigekazu Ichiki	Secretary-General, International Lake Environment Committee Foundation
	Hideo Kawamatsu	Association of Ibaraki High School Principals (Principal, Shimodate 1st High School)
	Munetsugu Kawashima	Professor Emeritus, Shiga University
	Akira Nishikawa	Director, High School Education Division. Educational Bureau, Shiga Prefectural Board of Education
	Yasuhiro Numata	Managing Director, The Ibaraki Shimbun
	Keiichi Sue	Ibaraki Principals Association (Principal, litomi Elementary School)
	Junichi Tashiro	Ibaraki Private School Association (Principal, Meikei High School)
	Motoo Utsumi	Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba

(9) Student Conference Review Working Group

Chairperson	Mieko Kuwana	Executive Director, Department of Residential and Environmental Affairs
Members	Osamu Abe	Professor, College and Graduate School of Sociology, Rikkyo University
	Takehiko Akabane	Science Education Research Department, Ibaraki Educational Research Association
		(Teacher, Yatabe Junior High School)
	Hajime Hamada	Natural Science Department, Ibaraki Prefecture Senior High School Cultural Federation
		(Teacher, Mitsukaido Primary High School)
	Yayoi Haraguchi	Professor, College of Humanities and Social Sciences, Ibaraki University
	Kana Hatta	Staff, International Lake Environment Committee Foundation
	Masaki Hisamatsu	Environmental Counselor (Principal, Sannou Elementary School)
	Naoto Hosoda	Manager, Ibaraki Kasumigaura Environmental Science Center
	Munetsugu Kawashima	Professor Emeritus, Shiga University
	Masaya Matsuda	Director, Lake Biwa Museum Environmental Learning Center
	Shunichi Miwa	Senior Manager, Ibaraki Kasumigaura Environmental Science Center
	Nobuhiko Nakama	Senior Manager, High School Education Division. Educational Bureau, Shiga Prefectural Board of Education
	Yoshihiro Ushioda	Science Education Research Department, Ibaraki Educational Research Association
		(Teacher, Souwakita Junior High School)
	Hiroyuki Yamaguchi	Environmental Counselor(Director, Specified Non-profit Organization Eco-ren)
	Toshiyuki Nawa	Natural Science Department, Ibaraki Prefecture Senior High School Cultural Federation
		(Teacher, Kukizaki High School)

(10) Ibaraki Kasumigaura Announcement Drafting Committee

Chairperson Sa	aburo Matsui	Trustees, International Lake Environment Committee Foundation
Members Ta	akehiko Fukushima	Center Director, Ibaraki Kasumigaura Environmental Science Center
SI	huichi Matsumoto	Senior Director of Kasumigaura Restoration, Department of Residential and Environmental Affairs
		Ibaraki Prefecture
M	lasahisa Nakamura	Vice President, International Lake Environment Committee Foundation
Μ	lotoo Utsumi	Associate Professor, Faculty of Life and Environmental Sciences, University of Tsukuba

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(As of August 31, 2018)

17th World Lake Conference (Lake Kasumigaura, Ibaraki, Japan, 2018) is supported by following companies and groups.



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11 Funders

(As of 2018)

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Kanto Regional Management Service Association

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Memo



Access to the Venue





Main Venue Tsukuba International Congress Center

Address : 2-20-3, Takezono, Tsukuba, Ibaraki, 305-0032, Japan

Tsukuba International Congress Center was built with the aim of strengthening research exchange capabilities in Tsukuba and revitalizing the regional economy through holding conventions. In 2016, G7 Science and Technology Ministers' Meeting was held in Tsukuba, Ibaraki Prefecture.



Contact Information

The 17th World Lake Conference (Lake Kasumigaura, Ibaraki, 2018)

Executive Committee Secretariat (Environmental Management Division, Ibaraki Prefecture)

978-6 Kasahara-cho, Mito city, Ibaraki 310-8555 Japan TEL: +81-29-301-2995 FAX: +81-29-301-2969 Email: wlc17@pref.ibaraki.lg.jp



The 17th World Lake Conference (Lake Kasumigaura, Ibaraki, 2018)

Secretariat c/o Convention Linkage, Inc.

2 Sanbancho, Chiyoda-ku, Tokyo, 102-0075 JAPAN TEL: +81-3-3263-8695 FAX: +81-3-3263-8693 Email: cl-wlc17@c-linkage.co.jp

This conference receives the support of river fund by the River Foundation. This conference is also supported by Honda Memorial Foundation, Kanto Regional Management Service Association, Tsukuba EXPO'85 Memorial Foundation.



http://www.wlc17ibaraki.jp/en/index.html



Please note that all the schedule on this announcement is tentative.

Photos by Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Tsuchiura City, Tsukuba City, Kasumigaura City, Hokota City, Ibaraki Town, Mito City, Ibaraki-Prefectural Kasumigaura Citizens' Association, Tourism & Local Products Association Ikoinomura Hinuma and Tsukuba International Congress Center