

Session: Biogeochemical and eco-hydrological dynamics of ecosystems in changing environments

Moderators: Hideaki Shibata, Victor Amoroso

Date and time: 13:00-15:30, September 8 (Wednesday), 2021

Start	End	Item	Name	Affiliation	LTER network	Title of presentation	Presentation
13:00	13:05	Opening & General note					
13:05	13:15	S1-1	Huichen Zhao	Institute of Atmospheric Physics, CAS	CERN	Antecedent water condition determines carbon exchange response to extreme precipitation events across global drylands	10 minutes
13:15	13:20	Q&A					
13:20	13:30	S1-1	TaeOk Kwon	Hokkaido University	JaLTER	Effects of climate and atmospheric nitrogen deposition on early to mid-term stage litter decomposition across biomes	10 minutes
13:30	13:35	Q&A					
13:35	13:40	S1-3	Masahiro Nakamura	Hokkaido University	JaLTER	Site-network survey of soil microbe community-level physiological profile using ecoplate across Japan	5 minutes
13:40	13:45	Q&A					
13:45	13:50	S1-4	Thanakorn Lattirasuvan	Maejo University Phrae Campus	Thailand	Soil physicochemical properties of dry dipterocarp mixed pine forest at Omkoi district Chiang mai province	5 minutes
13:50	13:55	Q&A					
13:55	14:05	S1-5	Miwako Nagane	Hokkaido University	JaLTER	Controlling factors of the temporal and spatial variation on N ₂ O emission from soil in cool temperate forests, northern Japan	10 minutes
14:05	14:10	Q&A					
14:10	14:20	S1-6	Le Thi Nguyet Nga	Vietnam Academy of Science and Technology	Vietnam	Zooplankton in Dankia reservoir, Lac Duong District, Lam Dong Province, Vietnam	10 minutes
14:20	14:25	Q&A					
14:25	14:30	S1-7	Dongshuo Lu	Wuhan University	CERN	Inundation alteration in China's marsh wetlands from 1992 to 2019 revealed by nighttime light and Landsat data	5 minutes
14:30	14:35	Q&A					
14:35	14:45	S1-8 (Video)	Caitlin Moore	The University of Western Australia, OzFlux	Australia-TERN	Filling the ecosystem monitoring gaps in TERN: making Western Australian SuperSites more super	10 minutes
14:45	15:30	Q&A, General discussion					

Session 2: Urban ecology and citizen science

Moderators: Chiao-Ping Wang, Nguyen Hong Quan

Date and time: 13:00-15:30, September 8 (Wednesday), 2021

Starting time	Number	Name	Affiliation	LTER network	Title of presentation
13:00	Opening & General note				
13:10	S2-1	Le Van Thuy Tien	Can Tho University	V-LTER	Water-related hazards in urban areas from socio-hydrological perspective:the case of Can Tho city, Vietnam
13:20	S2-2	Huidong Li	Institute of Applied Ecology, CAS	CERN	Interaction between urban heat island and urban pollution island
13:30	S2-3	Suxiao Li	Institute of Geographic Sciences and Natural Resources Research, CAS	CERN	Quantifying influences of interacting social-ecological factors on ecosystem services bundles in China capital circle
13:40	S2-4	Yeong Bu KIM	Kyungpook National University	KTER	BIMONTHLY SURVEILLANCE OF WILD RODENTS AND CHIGGER MITES IN URBAN PARKS IN DAEGU FROM 2018 TO 2019
13:50	S2-5	Chao-Nien Koh	Division of Forest Protection, Taiwan Forestry Research Institute	TERN Taiwan	A RODENT PEST DOMINATES THE DIET OF A NEWLY DWELLING URBAN RAPTOR IN TAIPEI CITY
14:00	S2-6	I-Chi Hsia	National Taiwan University	TERN Taiwan	BUSHES AS SOIL ARTHROPOD REFUGEE IN URBAN PARK

14:10	S2-7	Yufen Ren	Research Center for Eco-Environmental Sciences, CAS	CERN	ANALYSIS OF RIVER ZOOPLANKTON COMMUNITY CHARACTERISTICS IN AUTUMN OF BEIJING
14:20	S2-8	Katie Irvine	TERN Australia	TERN Australia	Extending TERN's biodiversity monitoring at temporal and spatial scales using citizen science
14:30	S2-9	YU Xiubo	Institute of Geographic Sciences and Natural Resources Research, CAS	CERN	Applications of citizen data in the conservation of waterbirds and their habitats in China.
14:40	S2-10	Helen K. Liu	Department of Political Science, National Taiwan University	TERN Taiwan	PERCEPTION OF CITIZEN SCIENCE FOR IAS PREVENTION: ASSESSMENT OF ONLINE INTERACTIVE MAP ON MOTIVATION AND PARTICIPATION
14:50	S2-11	Houlang Duan	Institute of Geographic Sciences and Natural Resources Research, CAS	CERN	Waterbird habitat loss: fringes of the Yellow and Bohai Seas along the East Asian–Australasian Flyway
15:00	General discussion				

Session 3: Long-term ecosystem monitoring, experiment and research: best practices and perspectives

Moderators: Xiubo Yu, Ohseok Kwon

Date and time: 10:45-13:15, September 9 (Thursday), 2021

Starting time	Number	Name	Affiliation	ILTER network	Title of presentation	Time
10:45	Opening & General note					
10:55	S3-1	Moon Bo Choi	Kyungpook National University	KLTER	Behavioral Response of the invasive alien hornet <i>Vespa velutina nigrithorax</i> against human action	5min
11:00	S3-2	Moon Bo Choi	Kyungpook National University	KLTER	Defensive Behavior of the Invasive Alien Hornet, <i>Vespa velutina</i> , Against Color, Hair, and Auditory Stimuli of Potential Aggressors	10min
11:10	S3-3	Ohseok KWON	Kyungpook National University	KLTER	Analysis on the insect community dynamics of Dokdo Island, Korea from 1978 to 2015	10min
11:20	S3-4	Hiroyuki MURAOKA	Gifu University	JALTER	COMBINING MULTI-YEAR OBSERVATION AND OPEN-FIELD WARMING EXPERIMENT TO INVESTIGATE LEAF PHENOLOGY IN A DECIDUOUS BROADLEAF FOREST	10min
11:30	S3-5	Le Thi Trang	Institute of Tropical Biology	VLTER	Initial record of phytoplankton in Hon Lao island of Cu Lao Cham World Biosphere Reserve, Quang Nam province	10 min
11:40	S3-6	Fadong LI	Shandong Yucheng Agro-ecosystem National Observation Research Station	CERN	STRAW INCORPORATION AND NO-TILLAGE INFLUENCES SOIL RESPIRATION AND ITS COMPONENTS IN THE NORTH CHINA PLAIN: RESULTS BASED ON LONG-TERM IN SITU OBSERVATION	10min
11:50	S3-7	Hong Truong Luu	Southern Institute of Ecology	VLTER	Progress of the permanent forest plot system developed by the Southern Institute of Ecology in southern Vietnam	5min
11:55	S3-8	Mark Grant	TERN Australia	AusLTER	Maintaining an LTER community in Australia – looking back, looking forward	10min
12:05	S3-9	Oraphan SUNGKAJANTTRA NON	Kasetsart University	ThaiLTER	VEGETATION RESOURCE MANAGEMENT IN MAE SAKUT NATURE TRAIL, MAE HONG SON PROVINCE, NORTHERN THAILAND	5min
12:10	S3-10	John Pickard	Echidna EcoServices	AusLTER	47 years of counting <i>Kippistia suaedifolia</i> , an unpalatable perennial gypsum endemic in semi-arid Australia	10min
12:20	S3-11	Thammanoon TEMCHA	National Park Office	ThaiLTER	BIODIVERSITY DYNAMICS OF TREES IN 4 PERMANENT SAMPLE PLOTS, EVERGREEN, DRY EVERGREEN, MIXED DECIDUOUS AND PINE-DRY DIPTEROCARP FORESTS IN THE CENTRAL, WESTERN AND EASTERN REGIONS OF THAILAND	5min
12:25	S3-12	Tonghua Wu	Northwest Institute of Eco-Environment and Resources	CERN	ESTABLISHING COMPARATIVE LONG-TERM PERMAFROST ECOLOGICAL OBSERVATIONS BETWEEN QINGHAI-TIBET PLATEAU AND ALASKA	10min
12:35	S3-13	Wongsatorn PHUMPHUANG	Kasetsart University	ThaiLTER	DRY EVERGREEN FOREST DYNAMICS BASED ON 16 HA PERMANENT PLOT IN SAKAERAT BIOSPHERE RESERVE, NORTHEASTERN THAILAND	5min
12:40	S3-14	Yongyut Trisurat	Kasetsart University	ThaiLTER	A Climate-change Risk Analysis for Species and Floristic Regions in Thailand	10min
12:50	S3-15	Xiubo Yu	Institute of Geographic Sciences and Natural Resources Research	CERN	Long-term ecosystem monitoring systems- experiences of Chinese Ecosystem Research Network	10min
13:00	S3-16	Chi-Ling Chen	Taiwan Agricultural Research Institute, Council of Agriculture, Executive Yuan, Taichung, Taiwan	TERN	LONG-TERM EFFECT OF DIFFERENT FARMING PRACTICES ON CROP YIELD, BIODIVERSITY, AND ENVIRONMENT IN CENTRAL TAIWAN	10min
13:10	General discussion					

Session 4: Toward establishment of Asia-Pacific eDNA monitoring network
(Jointly organized by JSPS Core to Core program, ANEMONE, and ILTER-EAP)

Moderators: Tanaka Kenta, Michio Kondoh

Date and time: 10:45-13:15, September 9 (Thursday), 2021

Starting time	Number	Name	1st author's country	title	Min
10:45	Opening & General notes				5
10:50	S4-1	Reiji MASUDA, Tanaka KENTA, Akifumi TANABE, Michio KONDOH3	Japan	PROPOSAL FOR COLLABORATIVE RESEARCH ON FISH COMMUNITY AND BIODIVERSITY MONITORING USING eDNA IN EAST ASIA-PACIFIC NETWORK	10
11:00	S4-2	Tadashi KAJITA, Yukuto SATO, Hideyuki IMAI, Hiroto NAGAI, Maria Daniela ARTIGAS RAMIREZ, Tomoyuki KOMAI, Yoshiaki TSUDA	Japan	FORMATION OF A RESEARCH NETWORK TOWARD GLOBAL SCALE BIODIVERSITY MONITORING OF MANGROVE ECOSYSTEM BY USING EDNA METABARCODING	10
11:10	S4-3	Luzhen CHEN	China	THE BIODIVERSITY AND MANGROVE CARBON STOCKS IN RESPONDING TO CLIMATE CHANGE	10
11:20	S4-4	Mohammad BASYUNI, Desrita DESRITA, Ipanna Enggar Susetyal, Arida SUSILOWATI, Hatika HAIRANI, Anggita M HARAHAP, Tadashi KAJITA	Indonesia	DIVERSITY AND DISTRIBUTION OF FISH IN EAST COASTAL OF NORTH SUMATRA AND ACEH, INDONESIA	10
11:30	S4-5	Severino G. Salmo III and Maria Elisa Gerona-Daga	Philippines	ESTABLISHING VEGETATION-SEDIMENT-FAUNAL RELATIONSHIP AND ITS ROLE IN MANGROVE CONSERVATION AND RESTORATION	10
11:40	S4-6	Venus LEOPARDAS, Tadashi KAJITA, Masahiro NAKAOKA	Philippines	TOWARD ESTABLISHMENT OF ASIA-PACIFIC eDNA MONITORING NETWORK: THE PHILIPPINE NODE	10
11:50	S4-7	Itchika SIVAIPRAM, Jes KETTRATAD, Pongtep PUNNARAK, Bunyawat PONYONG, Nittharatana PAPHAVASIT, Tadashi KAJITA	Thailand	EDNA METABARCODING AS A NEW TOOL FOR MONITORING OF MANGROVE ECOSYSTEM IN THAILAND	5
11:55	Break				10
12:05	S4-8	Mohd Nazre SALEH and Alison K.S. WEE	Malaysia	STATUS OF MANGROVE FOREST IN MALAYSIA AND THE POTENTIAL USE OF EDNA METABARCODING KNOWLEDGE FOR MANGROVE FOREST MANAGEMENT	10
12:15	S4-9	Alison K.S. WEE, Mohd Nazre SALEH, Amy Y.H. THEN, Tadashi KAJITA	Malaysia	THE POTENTIAL OF USING MULTI-TAXA ENVIRONMENTAL DNA AS A BIOMONITORING TOOL IN COASTAL ECOSYSTEMS IN MALAYSIA	10
12:25	S4-10	Kithsiri Ranawana, Shalika Kumburegama and Manoj Prasanna	Sri Lanka	MANGROVE FAUNA IN SRI LANKA	10
12:35	S4-11	Sivakumar K, S. Balamurugan, P. Ragavan, B. Deivasigamani, T. Ganesh and Savita S. Kerkar	India	INDIAN OCEAN ATOLL MANGROVES IN AN eDNA METABARCODING PERSPECTIVE	10
12:45	S4-12	Oliver Berry	Australia	A DNA BARCODE LIBRARY FOR ALL NAMED AUSTRALIAN SPECIES	10
12:55	S4-13	Michio Kondoh	Japan	ANEMONE: ENVIRONMENTAL DNA MONITORING NETWORK IN JAPAN	10
13:05	General discussion				10