

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
MONDAY, 2 September					
08:00	Registration				
10:00	Opening Session Welcome <i>Dr. Stefan Klotz, Head of UFZ-Research Unit "Ecosystems of the Future"</i> Welcome address <i>MinR'in Oda Keppler, Federal Ministry of Education and Research</i> UFZ - National and European Environmental Data Hub <i>Prof. Dr. Georg Teutsch, Scientific Managing Director of UFZ</i> ILTER – Status and Perspectives <i>Dr. Michael Mirtl, Chair of ILTER & LTER-Europe, eLTER ESFRI Coordination</i>				
11:00	Coffee break				
11:30	Keynote lecture: Slow research in an era of urgency <i>Bob Scholes, Witwatersrand-University, Johannesburg, ZA</i>				
12:30	Lunch break				
14:00	Keynote lecture: Fostering sustainability transformations through place-based social-ecological research <i>Berta Martin-Lopez, Leuphana University of Lüneburg, DE</i>				
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 2 Climate change impact on ecosystem processes	Topic 4 Advances in long-term socio-ecological research and sustainability science		
	Chair: Peter Haase	Chair: Martin Forsius	Chair: Daniel Orenstein		
15:00	Black widows on an urban heat island: hormonal, developmental and behavioral shifts stemming from extreme heat. <i>James Johnson, Arizona State University</i>	Exotic observational sites: a nuisance or critical experimental test beds <i>Dan Yakir, Weizmann Institute of Science</i>	Paving the blue-green way through Polish cities – how much green in green the "S" allows. Lodz LTSER case study <i>Kinga Krauze, ERCE PAS</i>		
15:20	Assessing the population changes of Odonata across Germany since 1980 using heterogeneous data <i>Diana Bowler¹; David Eichenberg; Helge Bruelheide; Florian Jansen; Klaus Jürgen Conze; Frank Suhling; Bernd Trockur; Dominik Jablotschkin; Holger Lueg; Arne Drews; Aletta Bonn</i> ¹ German Centre for Integrative Biodiversity Research	Long-Term Ecosystem Research Infrastructure for Carbon, Water and Nitrogen (LTER-CWN) <i>E. Diaz-Pines¹; M. Bahn²; T. Dirnböck³; M.Englisch⁴; K. Gartner⁴; D. Große Kathöfer⁵; B. Kitzler⁴; J. Kobler³; A. Maier⁵; J. Peterseil³; G.Pröll³; C. Wohner³; S.Zechmeister-Boltenstern¹; S. Glatzel⁵</i> ¹ University of Natural Resources and Life Sciences; ² University of Innsbruck; ³ Environment Agency Austria; ⁴ Austrian Research Centre for Forests; ⁵ University of Vienna	Linking Social and Ecological Data to Understand how Pacific Island Fishers Navigate Changing Coral Reefs <i>Sally Holbrook¹; Andrew Rassweiler²; Matthew Lauer³; Sarah Lester²; Russell Schmitt¹</i> ¹ University of California Santa Barbara; ² Florida State University; ³ San Diego State University		

15:40	Adding years, adding certainty? Drivers of temporal change in wild bees and birds in agricultural landscapes <i>Mark Frenzel; Oliver Schweiger Helmholtz Centre for Environmental Research UFZ</i>	River Pinios hydrologic observatory-central Greece: a start up LTER site <i>Vassilios Pisinaras¹; Frank Herrmann²; Andreas Panagopoulos¹; Evangelos Tziritis¹; Frank Wendland²</i> ¹ Hellenic Agricultural Organisation GR; ² Forschungszentrum Jülich	Change in social-ecological coupling on the Chinese Loess Plateau in recent decades: an insight from long term research on watersheds <i>Xiubo Yu¹; Yu Liu; Chao Fu; Yuehan Dou</i> ¹ Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences		
Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
16:00	Cormorant - fishery conflict: an integrated approach (Romanian Lower Danube River waterscapes) <i>Relu-Constantin Giuca¹; Angheluta Vadineanu²</i> ^{1/2} University of Bucharest	Evaluating the impact of modeling uncertainties on decision makers: application to the Maginot's Water Line resources <i>J. Charpentier¹; R. Barbier²; F.-J. Daniel²; S. Fernandez²; S. Glatron³; J. Gustedt⁴; D.Heintz⁵; J. Laurent⁶; S. Weill⁷</i> ¹ LTSER-FR; ² GESTion Territoriale de l'Eau et de l'environnement ³ Dynamiques Européenne; ⁴ INRIA / ICUBE / ICPS; ⁵ Institute of Plant Molecular Biology; ⁶ ICUBE; ⁷ Laboratory of Hydrology and Geochemistry of Strasbourg	Developing a tool for monitoring Sense of Place over the long-term at LTER sites and LTSER platforms <i>Noa Avriel-Avni¹; K.Moses²; J. Holzer³; M. Lavi-Neeman⁴; R. Rozzi⁵; A. Berkowitz⁶; M. Troncoso²</i> ¹ Dead Sea and Arava Science Center; ² Universidad de Magallanes; ³ Technion - Israel Institute of Technology; ⁴ Arava Institute for Environmental Studies; ⁵ University of North Texas; ⁶ Cary Institute of Ecosystem Studies		
16:20	The role of scales and attributes considered in farmland bird decline - a bird community change analysis from Northeast Germany <i>Michael Glemnitz¹; Alfred Schultz²; Ulrich Stachow¹; Friederike Borges¹; Christina Brüggemann³</i> ¹ ZALF Müncheberg; ² Eberswalde University for Sustainable Development; ³ Universität Potsdam	Importance of multidisciplinary long-term data to assess groundwater quality and its socio-ecological impact in the Postojna-Planina Cave System <i>Matej Blatnik¹; M. Năpăruș-Aljančić¹; B. Kogovšek¹; J. Kogovšek¹; F. Gabrovšek¹; M. Petrič¹; N. Ravbar¹; S. Šebela¹; J. Turk²; T. Pipan¹</i> ¹ ZRC SAZU; ² Slovenian National Building and Civil Engineering Institute (ZAG)	Findings from SEACRIFOG Stakeholders Consultation Workshops <i>M. Acosta¹; E. Krkoška Lorencová¹; E. Grieco²; A. Bombelli²; J. Beck³; E. Salmon⁴; J. Helmschrot³; M Bamba Sylla⁶; M. Pavelka¹; D. Váčekár¹; C. Mensah¹; Veronika Jorch⁷</i> ¹ CAS; ² CMCC Foundation; ³ SASSCAL; ⁴ ICOS ERIC; ⁶ WASCAL; ⁷ Thünen Institute of Climate-Smart Agriculture		
16:40	Coffee break				

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 2 Climate change impact on ecosystem processes	Topic 4 Advances in long-term socio-ecological research and sustainability science		
	Chair: Ingolf Kühn	Chair: Chiling Chen	Chair: Nancy Grimm		
17:10	Temporal progression of soil nematode community and diversity along rice cultivation process Hsuan-Wien Chen, National Chiayi University	Climate change drives global shifts in lake thermal habitat Benjamin Kraemer ¹ ; O. Anneville; S.Ban; W.Colom-Montero; S. P. Devlin; M. T. Dokulil; E.E. Gaiser; K. D. Hambricht; D. O. Hessen; S. N. Higgins; K. D. Jöhnk; W. Keller; L. B. Knoll; P. R. Leavitt; F.Lepori; M. S. Luger; S. C. Maberly; D.C. Müller-Navarra; A. A. Paterson; D. C. Pierson; R. M. Pilla; D. C. Richardson; M. Rogora; J. A. Rusak; S. Sadro; N. Salmaso; M. Schmid; E. A. Silow; R. Sommarunga; J. A. A. Stelzer; D.Straille; W. Thiery; P. Verburg; G. A. Weyhenmeyer; L. A. Winslow; R. I. Woolway; R. Adrian ¹ IGB Leibniz Institute for Freshwater Ecology and Inland Fisheries	Coping with challenges and obstacles of public participation in the design of a green city. The City of Lodz (Central Poland) case study. Renata Włodarczyk-Marciniak; Kinga Krauze; Daria Sikorska European Regional Centre for Ecohydrology of the Polish Academy of Sciences		
17:30	Near-term iterative forecasts of biodiversity change Glenda Wardle ¹ ; Chris Dickman ¹ ; Aaron Greenville ¹ ; Ayesha Tulloch ¹ ; Thomas Newsome ¹ ; Michael Dietze ² ¹ The University of Sydney; ² Boston University	Climate change impact on lake metabolism: Trends, thresholds and predictions in the context of metabolic theory of ecology. Rita Adrian ¹ ; Benjamin M Kraemer ¹ ; Ulrike Scharfenberger ¹ Leibniz Institute of Freshwater Ecology and Inland Fisheries	Towards a LTSER-network-wide harmonized protocol for stakeholder and ecosystem service mapping – the case study of the Arava LTSER platform Jessica Schäckermann ¹ ; Elli Groner ¹ ; Daniel Orenstein ² ¹ Dead Sea and Arava Science Center; ² Technion - Israel Institute of Technology		
17:50	ObsMiCE: a monitoring system to assess long-term changes in biodiversity of small mammals and associated parasites in a broad range of West African ecosystems Ambroise Dalecky ¹ ; & ObsMiCE ¹ IRD, LPED	Interactive effects of climate change and eutrophication on mangrove seedling growth and establishment. Lucy Gwen Gillis, Daniel A. S. Hortua, Martin Zimmer, Tim C. Jennerjahn, Lucia S. Herbeck Leibniz-Zentrum für Marine Tropenforschung,	An analysis of agrobiodiversity in México through a causal framework Nancy Arizpe CONACYT-CONABIO, Mexico		
18:10	Vitality, regeneration, biodiversity and ecosystem function of a water limited conifer forest as affected by manipulation of overstory leaf area: An overview of the first 10 years at the Kedoshim LTER Yagil Osem ¹ ; Ela Zangy; Mor Ashkenazi; Yosef Moshe; Chanoch Zoref; Calev Ailon; Uri Meirovich ARO Israel	Drivers and mechanisms of peat collapse in coastal wetlands Benjamin Wilson ¹ ; Shelby Servais ¹ ; Sean Charles ¹ ; Viviana Mazzei ² ; Stephen E. Davis ² ; Evelyn E. Gaiser; Steve Kelly ³ ; John Kominoski ¹ ; Christopher Madden ³ ; Jennifer Richards ¹ ; David Rudnick ⁴ ; Fred Sklar ³ ; Joseph Stachelek ³ ; Tiffany G. Troxler ¹ ¹ Florida International University; ² Everglades Foundation; ³ South Florida Water Management District; ⁴ Everglades National Park			
18:30	Ice breaker				

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2 B	Hall 2 A	
TUESDAY, 3 September					
09:00	Keynote lecture The significance of continuous comprehensive observations: From atmospheric clustering via feedback loops to global climate and air quality <i>Markku Kulmala, University of Helsinki, FI</i>				
10:00	Coffee break				
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 2 Climate change impact on ecosystem processes	Topic 3 Altered nutrient cycles and environmental pollution	Topic 6 Global research infrastructures	
	Chair: Inger Kappel	Chair: Tiffany Troxler	Chair: Hideake Shibata	Chair: Ika Djukic	
10:30	Integrative approach to sustainable land use <i>Zita Izakovicova¹; Milena Moyzeova¹; Viktoria Miklosova¹; Lubos Halada¹; Peter Bezak</i> ¹ Institute of Landscape Ecology SAS	Tropical forest response to global change: studies from the Luquillo Experimental Forest <i>Grizelle González</i> USDA Forest Service	Atmospheric deposition of nitrogen, phosphorous, and acid in Chinese ecosystems: dynamics, patterns, and the influencing factors <i>Qiufeng Wang; Guirui Yu; Yanlong Jia; Jianxing Zhu; Haili Yu; Nianpeng He</i> Chinese Academy of Sciences	ICP Forests: Long-term monitoring of the effects of anthropogenic and natural stressors on forest ecosystems under the UNECE Air Convention <i>Alexa Michel; Anne-Katrin Prescher; Andreas Schmitz; Inken Krüger; Till Kirchner; Kai Schwärzel</i> Thünen Institute of Forest Ecosystems	
10:50	Monitoring spatio-temporal change trends in vegetation greenness and precipitation <i>Yolandi Ernst; Barend Erasmus</i> University of the Witwatersrand	Decadal trends of fog and rainwater inputs to declining relict cloud forests in semiarid Chile <i>Juan Armesto¹; F. Alfaro²; A.Gaxiola³</i> ¹ Pontifical Catholic University of Chile-Instituto de Ecología y Biodiversidad; ² GEMA Center for Genomics, Ecology & Environment, Universidad Mayor, Santiago Chile.; ³ Pontifical Catholic University of Chile	The first long-term soil N x P manipulation experiment in a temperate forest system <i>Ruth Yanai¹; Melany Fisk²; Timothy Fahey³</i> ¹ SUNY-ESF; ² Miami University; ³ Cornell University	The vision of a research infrastructure enabling holistic, long-term observations on critical ecosystem processes in Europe <i>Jaana Bäck¹; Michael Mirtl²</i> ¹ University of Helsinki, FI; ² UFZ	
11:10	How do plants invade the mountain ecosystem? Drivers of long-term vegetation changes, role of human disturbances <i>Jana Mullerova; Michaela Vitkova; Petr Pysek</i> Czech Academy of Sciences	Climate change in Southern Patagonia influencing over forest ecosystem processes and natural regeneration dynamics <i>Guillermo Martínez Pastur¹; R. Díaz Delgado; Y. M. Rosas; V. Lencinas; P. L. Peri</i> ¹ CONICET	Interactive effects of ozone, nitrogen deposition and climate in terrestrial ecosystems of Spanish mountain areas <i>Rocío Alonso¹; Ignacio González-Fernández; Héctor García-Gómez; Susana Elvira; Isaura Rábago; Javier Sanz; Victoria Bermejo</i> ¹ CIEMAT	Infrastructure to enable effective access to Australia's ecosystem science data services and analytical platforms <i>Siddeswara Guru¹; Beryl Morris</i> ¹ Terrestrial Ecosystem Research Network,	
11:30	Trait composition in glacier forefield succession <i>Ingolf Kühn, Helmholtz Centre for Environmental Research - UFZ</i>	Ecosystem-level responses to experimental summer drought: a 10-year long experiment in a Chilean temperate forest <i>Aurora Gaxiola¹; Martin Carmona; Fransica Diaz; Juan Armesto</i> ¹ Pontifical Catholic University of Chile	Effect of agricultural long term ecosystem on soil fertility and productivity of crops: continuous lowland rice system at Yunlin branch, TNDARES <i>Chia Chen Pan¹; Jui Chang Wang; Wen Jin Jiang</i> ¹ Tainan District Agricultural Research and Extension Station, COA	What can a 'geri' learn from the experiences and strategies of a national observation and research infrastructure in a developing economy? <i>Johan Pauw; Tommy Bornman; Gregor Feig; Wim Hugo</i> South African Environmental Observation Network (SAEON)	

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2 B	Hall 2 A	
11:50	Beyond species geography: the drivers that erode mountains to collapse Geraldo Fernandes ¹ ; Frederico Neves ² ; Ricardo Solar ¹ ; Milton Barbosa ¹ ; Patricia Morellato ³ ¹ Universidade Federal de Minas Gerais; ² Universidade; ³ Universidade Estadual Paulista	Sensitivity of Pine forest ecosystems to rainfall amount and their effect on the water yield across climatic gradient in the dry Mediterranean region Eyal Rotenberg ¹ ; Fyodor Tatarinov ¹ ; Shani Roahtyn ² ; Dan Yakir ¹ ¹ Weizmann Institute of Science; ² The Technion	Influences of nitrogen fertilization on soil enzymatic activity in grasslands Carmen Postolache; Florina Botez; Andreea Csolti University of Bucharest	Greater than the sum of the parts: collaboration in and beyond the U.S. LTER Network Martha R. Downs ¹ , Frank Davis ¹ , Huang T ian-yuan ² ¹ University of California-Santa Barbara, US, ² Fudan University	
12:10			Long-term monitoring of of headwater streams water quality in the Vosges Mountains (North-Eastern France) Marie-Noëlle Pons ¹ ; Anne Poszwa ² ; Philippe Rousselet ² ; Philippe Wagner ² ; Benoit Pollier ³ ; Steve Pontvianne ¹ ; Arnaud Legout ³ ; François Guérolde ² ¹ LTSER ZAM - LRGP; ² Université de Lorraine ; ³ INRA - Centre de Nancy	Sharing Observation and Downscaled Modelling Data using the eLTER Information System John Watkins, Mike Brown, Klaus Goergen, Vladan Minic, Alessandro Oggioni, Johannes Peterseil, Sue Rennie, Christoph Wohner ¹ Centre for Ecology and Hydrology (CEH); ² Environment Agency Austria	
12:10	Lunch break				
13:30	Keynote lecture Changes in plant-pollinator interactions and consequences for plants using distributed networks Tiffany Knight, Helmholtz Centre for Enmental Research - UFZ / German Centre for Integrative Biodiversity Research (iDiv)				
14:30	Poster session & Coffee break				
Time / Room	Hall 1 CD	Hall 2 A	Hall 2 B	SR 219	R 131
15:30-18:30	Workshop 4: Where does initiative end? Towards the circumnavigation of ecological communities	Workshop 6: Droughts and deluges: Defining and understanding their ecosystem impacts	Workshop 11: Citizens for Long-Term Ecological Research	Workshop 9: Building a Multilingual ILTER Vocabulary: A Translation Workshop	Workshop 5: Understanding socio-ecological transitions - a „landscape“ of changes

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
WEDNESDAY, 4 September					
09:00	Keynote lecture Drivers of change in tropical protected areas: long-term monitoring of a Brazilian biodiversity hotspot. <i>Mercedes Bustamante, University of Brasilia, BR</i>				
10:00	Winner of the ILTER internal competition				
10:30	Coffee break				
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 2 Climate change impact on ecosystem processes	Topic 4 Advances in long-term socio-ecological research and sustainability science		
	Chair: Mark Frenzel	Chair: Aurora Gaxiola Alcantar	Chair: Kinga Krauze		
11:00	Long-term influence of harvesting over plant understory dynamics and regeneration development in Nothofagus pumilio forests <i>Guillermo Martinez Pastur¹; Yamina Micaela Rosas; Vanessa Lencinas; Pablo Luis Peri</i> ¹ CONICET	Will Arctic-specific feedback mechanisms become an obstacle to achieving a stabilized global climate? <i>Martin Forsius, Finnish Environment Institute SYKE</i>	Agriculture adaptation for wetland conservation in Mekong delta – a case study at Tram Chim Ramsar site <i>Hong Quan Nguyen¹; D. H. Nguyen¹; T. L. Trinh²; D. M. H. Luan Pham¹; T. T. H. Nguyen¹; V. H. G. Nguyen²; D. D. Phan³; Q. Le¹; D. D. Tran¹; K.D. Nguyen⁴; W. Sea⁵</i> ¹ Vietnam National University; ² World Wide Fund for Nature (WWF); ³ Vietnam Academy of Science and Technology; ⁴ University of Sciences, Ho Chi Minh City; ⁵ Bemidji State University, Bemidji		
11:20	Changes in cerrado woody vegetation submitted to different fire regimes <i>Margarete Sato; Heloisa Miranda; Carlos Klink</i> <i>University of Brasilia</i>	Regional greenhouse gas (GHG) budget of Kokemäenjoki river basin, SW Finland <i>Maria Holmberg¹, A. Akujärvi¹, S. Anttila¹, I. Bergström¹, P. Kortelainen¹, A. Mäkelä², F. Minunno², K. Rankinen³, M. Peltoniemi³, T. Rasilo, T. Sallantausta¹, P. Vanhala¹, M. Forsius¹.</i> ¹ Finnish Environment Institute, ² University of Helsinki, ³ National Resources Institute (LUKE)	Application of the TeaComposition initiative in an agricultural environment <i>Marie-Noëlle Pons¹; Thiébaud Simon²; Sophie Maillant²</i> ¹ LTSER ZAM - LRGP - CNRS - UL; ² Chambre régionale d'agriculture Grand Est		
11:40	Patterns and drivers of stability in long-term metacommunity data <i>Christopher Swan¹; Eric Sokol; Nathan Wisnoski; Riley Andrade; Max Castorani; Christopher Catano; Aldo Compagnoni; Annie Cooper; Thomas Lamy; Nina Lany; Luca Marazzi; Sydne Record; Jonathan Tonkin; Nicole Voelker; Phoebe Zarnetske</i> ¹ University of Maryland	Impact Assessment of Climate Change on Crop Production and Greenhouse Gas Emission in central Taiwan by DNDC model <i>Chiling Chen¹; C.-Yi Liao¹; J.-K. Tsai¹; D.-J. Liao²; H.-S. Wu²; C. Chang³; R.-C. Wang³</i> ¹ Taiwan Agricultural Research Institute; ² Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute; ³ Tainan District Agricultural Research and Extension Station	Is socio-ecological research meeting expectations? Results from a case study evaluation of Long-Term Socio-Ecological Research (LTSER) programs in Europe <i>Jennifer Holzer, Technion - Israel Institute of Technology</i>		

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2			
12:00	Species insurance trumps spatial insurance in stabilizing biomass of a marine macroalgal metacommunity <i>Thomas Lamy</i> ¹ ; <i>Shaopeng Wang</i> ² ; <i>Delphine Renard</i> ³ ; <i>Kevin Lafferty</i> ⁴ ; <i>Dan Reed</i> ¹ ; <i>Robert Miller</i> ¹ ¹ <i>University of California Santa Barbara</i> ; ² <i>Peking University</i> ; ³ <i>University of California</i> ; ⁴ <i>U.S. Geological Survey</i>	Occurrence of chigger mites mediating Tsutsugamushi disease and host rodents in the central region of South Korea from 2015 to 2018 <i>Ohseok Kwon</i> ¹ ; <i>Moon Bo Choi</i> ; <i>Yeongbu Kim</i> ¹ <i>Kyungpook National University</i>	Urban resilience to extreme events: framing cities and their infrastructure as social-ecological-technological systems (SETS) <i>Nancy B. Grimm</i> , <i>David M. Iwaniec</i> , <i>Marta Barbés Blasquez</i> , <i>Mikhail Chester</i> , <i>Elizabeth Cook</i> , <i>Timon McPhearson</i> , <i>Tischa Muñoz-Erickson</i> , <i>Yeowon Kim</i> , <i>Charles Redman</i>			
12:20	Lunch break					
Time / Room	Hall 1 AB	Hall 1 CD	Hall 2			
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 2 Climate change impact on ecosystem processes	Topic 6 Global research infrastructures			
	Chair: Alessandra Pugnetti	Chair: Maria Holmberg	Chair: John Watkins			
13:40	State-dependent driver-response relationships facilitate long-term ecosystem change <i>Russell Schmitt</i> ; <i>Sally Holbrook</i> ; <i>Thomas Adam</i> ; <i>Andrew Brooks</i> ; <i>Samantha Davis</i> <i>University of California Santa Barbara</i>	Resolving the paradox of grassland responses to extreme drought <i>Alan Knapp</i> ; <i>Nathan Lemoine</i> ; <i>Melinda Smith</i> , <i>Anching Chen</i> <i>Colorado State University</i>	Fit for purpose - assessing the representativeness of the International Long Term Ecological site network <i>Christoph Wohner</i> ¹ ; <i>E.C. Ellis</i> ² ; <i>M.Mirtl</i> ³ ; <i>H. Mollenhauer</i> ³ ; <i>J. Peterseil</i> ¹ ; <i>H. Shibata</i> ⁴ ; <i>S. Zacharias</i> ³ ¹ <i>Umweltbundesamt GmbH, AT</i> ; ² <i>University of Maryland</i> ; ³ <i>UFZ Leipzig</i> ; ⁴ <i>Hokkaido University</i>			
14:00	Effects of typhoons and El Niño-Southern Oscillation events on intertidal seagrass beds over decadal timescales <i>Hsing-Juh Lin</i> , <i>National Chung Hsing University</i>	Precipitation amount and event size interact to reduce ecosystem functioning during dry years in a mesic grassland <i>Andrew Felton</i> , <i>Ingrid Slette</i> , <i>Melinda D. Smith</i> , <i>Alan K. Knapp</i>	The Freshwater Information Platform: an online network to facilitate monitoring, data compilation and publishing <i>Astrid Schmidt-Kloiber</i> ¹ ; <i>A. De Wever</i> ² ; <i>V. Bremerich</i> ³ ; <i>J. Strackbein</i> ⁴ ; <i>D.Hering</i> ⁴ ; <i>S. Jähnig</i> ³ ; <i>K. Martens</i> ⁵ ; <i>K. Tockner</i> ⁶ ¹ <i>BOKU Vienna</i> ² <i>INBO</i> ; ³ <i>IGB Berlin</i> ; ⁴ <i>University of Duisburg-Essen</i> ; ⁵ <i>Royal Belgian Institute of Natural Sciences</i> ; ⁶ <i>Freie Universität Berlin</i>			
14:20	Can we sustain ecohydrological regulation in rural landscapes under socio-economic transitions? Case study of the The Pilica River Catchment (LTSER platform, Central Poland) <i>Kinga Krauze</i> ; <i>Renata Włodarczyk-Marciniak</i> ; <i>Katarzyna Izydorczyk</i> <i>ERCE PAS</i>	Aridity thresholds for ecosystem processes concur across a gradient, rainfall manipulations and long-term monitoring in Mediterranean shrubland ecosystems <i>José Grünzweig</i> ¹ ; <i>Yael Navon</i> ; <i>Marcelo Sternberg</i> ¹ <i>Hebrew University of Jerusalem</i>	Que vadis TeaComposition – towards the circumnavigation of ecological communities? <i>Ika Djukic</i> ¹ ; <i>S. Kepfer-Rojas</i> ; <i>I.Kappel Schmidt</i> ; <i>K. Steenberg Larsen</i> ; <i>C. Beier</i> ; <i>B. Berg</i> ; <i>K. Verheyen</i> ; <i>S. Trevathan Tackett</i> ; <i>P. Macreadie</i> ; <i>TeaComposition et al.</i> ¹ <i>Swiss Federal Research Institute WSL</i>			

14:40	Effects of multiple environmental factors on terrestrial carbon sink in the karst region of southwest China <i>Li Zhang¹; Yan Lv¹; Pan Li²; Xiaoli Ren¹; Honglin He¹</i> <i>¹Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; ²Institute of Geochemistry, Chinese Academy of Sciences</i>	Uncertainties of estimated litter decomposition rates derived from standard Tea Bags in Northwest Germany <i>Markus Wagner; Bernd Ahrends; Henning Meesenburg</i> <i>Northwest German Forest Research Institute</i>	Topic driven research infrastructure - the example of the global tree mortality network <i>Tanja Sanders¹; Bernhard Schuldt; Henrik Hartmann; Nadine Ruehr</i> <i>¹Thuenen-Institut</i>		
15:00	Coffee break				
Time / Room	Hall 1 CD	Hall 2 A	Hall 2 B	SR 219	R 131
15:30-18:30	<i>Workshop 10: Exploring long-term biodiversity data from ILTER sites</i>	<i>Workshop 3: Operationalizing long-term social-ecological research: future perspectives</i>	<i>Workshop 1: Challenges for global assessment of nitrogen impacts to human and environments: Review of the INMS and contributions of the ILTER</i>	<i>Workshop 8: Towards a Multilingual ILTER Vocabulary: A Quality and Usability Evaluation Workshop</i>	<i>Workshop 7: Understanding and responding to extreme weather events in ecosystems and social-ecological-technological systems (SETS)</i>
20:00	Conference Dinner at the Moritzbastei				

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
THURSDAY, 5 September					
09:00	Keynote lecture Global Dryland Ecosystem Programme <i>Bojie Fu Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, CN</i>				
10:00	Coffee break				
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 5 New methods, technology and innovative science support services	Topic 3 Altered nutrient cycles and environmental pollution		
	Chair: Elli Groner	Chair: Michael Liddell	Chair: Steffen Zacharias		
10:30	An equal time scale of regeneration cannot mirror the long-term degradation in wet grasslands <i>Gert Rosenthal¹; Nils Stanik¹; Josef Müller²</i> ¹ University of Kassel; ² University of Bremen	Whole system diagnostics: a new diagnostic approach to combining the Bulgarian mapping and assessment, validation and monitoring through bioindication <i>Kremena Gocheva¹; L. Yakimov¹; E. Tsvetanova; L. Petrov¹; A. Alexandrova¹; S. Bratanova-Doncheva²; N. Chipev¹; R. Fikova¹</i> <i>Bulgarian Academy of Sciences</i>	Biological Tide numerical modelling: in search for the best of two worlds <i>Paul Bois¹; Daniel Childers²</i> ¹ LTSER ZAEU - ICUBE - CNRS – Unistra; ² Arizona State University		
10:50	Responses of plant functional traits and phenology to climate change in a four-year experiment <i>Anja Linstädter¹; Franziska Ludwig²; Kindermann Liana¹; Nato Tephnadze-Hoernchen²; Harald Auge³; Anke S. K. Frank²; Ines Merbach³; Martin Schädler³; Sigrid Berger³</i> ¹ University of Bonn; ² University of Cologne; ³ UFZ	Combining long-term forest ecosystem monitoring with UAV-based multispectral remote sensing in one database <i>Max Strer; Stuart Krause; Tanja Sanders</i> <i>Thuenen-Institut</i>	Long-term physical, hydrochemical and biological measurements at the Sylt Roads Marine Observatory (1973-2013), Wadden Sea, North Sea <i>Johannes Rick; Karen Helen Wiltshire</i> <i>AWI</i>		
11:10	Human disturbance and upward expansion of plants in a warming climate: results from 20 years of observations <i>Matteo Dainese, Eurac Research</i>	Multi-scale remote sensing for long-term monitoring and conservation management in Doñana LTSER platform <i>Ricardo Díaz-Delgado, Estación Biológica de Doñana&</i>	Long-Term Trends in Wadden Sea Eutrophication <i>Justus van Beusekom, Helmholtz-Zentrum Geesthacht</i>		
11:30	Alien mouflons keep the vegetation of endangered dry grasslands species-rich – results of long-term monitoring of LTER plots in the Czech Republic <i>Petr Petřík¹; Tomáš Černý²; Karel Boublík³; Jan Douda³</i> ¹ The Czech Academy of Sciences; ^{2/3} Czech University of Life Sciences Prague	A core model for satellite-based change detection, observation, and attribution of ecosystem function in a fire-prone ecosystem <i>Jasper Slingsby¹; Glenn Moncrieff¹; Adam Wilson²</i> ¹ South African Environmental Observation Network; ² University at Buffalo, Buffalo	Integrated Environmental Indicators System to Estimate the Nitrogen Threats by Land Use Change in Coastal Zone Areas of Taiwan <i>Ming-Chien Su¹; Nien-Hsin Kao²</i> ¹ National Dong Hwa University; ² Kun Shan University		

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
11:50	Vegetation and insects in an abandoned heathland after more than 100 years - Land-use legacy <i>Inger Kappel Schmidt¹; Sebastian Kepfer-Rojas²; David Bille Byriel²</i> ¹ University of Copenhagen; ² Københavns Universitet, IGN	Standardization and devices development for vegetation structure and plant growth monitoring in Chinese Ecosystem Research Network (CERN) <i>Dongxiu Wu¹; Lin Zhang; Chuangye Song; Yonghua Qu; Xinwei Wang; Fangming Wu</i> ¹ Institute of Botany, Chinese Academy of Science	Challenges to develop the global assessment guidance for the nitrogen impacts for human and nature <i>Hideaki Shibata¹; Jill Baron²; Azusa Oita³; Allison Leach⁴; Timothy Weinmann⁵</i> ¹ Hokkaido University; ² US Geological Survey; ³ Tohoku University; ⁴ University of New Hampshire; ⁵ Colorado State University, JP		
12:10	Lunch break				
	Topic 1 Drivers of long-term changes in biodiversity, ecosystem integrity and ecosystem function	Topic 5 New methods, technology and innovative science support services	Topic 6 Global research infrastructures		
	Chair: Shayli Dor-Haim	Chair: Wim Hugo	Chair: Johan Pauw		
14:00	Contribution of LTER sites across the globe to the diversity-stability debate <i>Elly Groner, Noah Morris</i> <i>Dead Sea and Arava Science Center</i>	MOSES: A novel observing system for highly dynamic events <i>Ute Weber¹; Claudia Schütze¹; and the MOSES Team</i> ¹ UFZ Leipzig	The Hellenic long-term ecosystem research network: where do we stand <i>Andreas Panagopoulos¹; P. Lyberakis²; G. Maneas³; M. Mimikou⁴; N. Mihalopoulos⁵; N. Nikolaidis⁶; T. Petanidou⁷; N. Skoulikidis⁸</i> ¹ Hellenic Agricultural Organisation; ² Samaria National Park; ³ Navarino Environmental Observatory; ⁴ National Technical Univ. of Athens; ⁵ Univ. of Crete		
14:20	Saving Biodiversity of Terrestrial and Riverine Ecosystems: Assessment and Monitoring in Selected Long-Term Ecological Research (LTER) Sites in Southern Philippines <i>Victor Amoroso; Florfe Acma; Alma Mohagan; Einstine Opiso; Fulgent Coritico</i> <i>Central Mindanao University</i>	Developing a Continental Biodiversity Sensor network using an 'add-on mode' approach. <i>Michael Liddell, James Cook University</i>	Swedish Infrastructure for Ecosystem Science -A national initiative for coordination and harmonization of field-based ecosystem research <i>Stefan Bertilsson; Ulf Grandin; Ulf Jonsell</i> <i>Swedish University of Agricultural Sciences</i>		
14:40	Disturbances in Central Amazonian black-water floodplains caused by climate and land-use changes <i>Jochen Schöngart¹; F. Wittmann²; A.F. de Resende¹; G. de Sousa Lobo¹; J. Rocha Duarte Neves¹; M. da Rocha¹; A. Costa Quaresma¹; L. Oreste Demarchi¹; B. Weiss Albuquerque¹; Y. Oliveira Feitosa¹; G. Biem Mo</i> ¹ National Institute for Amazon Research; ² Karlsruhe Institute for Technology; ³ Max Planck Institute for Biogeochemistry ⁴ São Paulo State University; ⁵ Naturalis Biodiversity Center	Linking local in situ monitoring data and European data bases for mutual advantages – Innovative approaches for monitoring the effects of nature based solutions in the urban environment <i>Herbert Haubold¹; Andreas Littkopf²; Roger Milego Agràs³</i> ¹ Environment Agency Austria, AT; ² European Topic Centre Urban, Land and Soil Systems; ³ Universitat Autònoma de Barcelona	The Expanded Freshwater and Terrestrial Environmental Observation Network <i>Gregor Feig¹; Robert Scholes²</i> ¹ SAEON; ² University of the Witwatersrand		

Time / Room	Hall 1 AB	Hall 1 CD	Hall 2		
15:00	<p>Assessing the importance of matrix elements to maintain biodiversity in remaining areas of the Atlantic Forest biome: a multi-taxa approach in a Brazilian LTER site <i>Marcus Vieira¹; V. Borges-Junior¹; M. Carvalho²; N. Corrêa³; L. Martins³; M. Muanis⁴; A. Siqueira⁵; M. Almeida-Gomes⁶; A. F. Nunes-Freitas³; J. Prevedello⁵</i> ¹ Universidade Federal do Rio de Janeiro - UFRJ; ² Universidade de Brasília; ³ Universidade Federal Rural do Rio de Janeiro - UFRRJ; ⁴ Programa de Pós-Graduação em Ecologia; ⁵ Universidade do Estado do Rio de Janeiro - UERJ; ⁶ Universidade Federal do Mato</p>	<p>CEBA, a data lake dedicated to the observation of environmental ecosystems <i>Vincent Breton¹; David Sarramia²; Alexandre Claude¹; Gilles Mailhot¹; Francis Ogereau²; Jeremy Mezhoud²; Estelle Theveniaud¹</i> ¹ CNRS; ² Clermont Auvergne University</p>	<p>AQUACOSM & MESOCOSM.EU: Two networks of experimental aquatic mesocosm facilities offering opportunities to connect ecosystem process studies with LTER findings and activities <i>Jens Christian Nejtgaard¹; Stella Angela Berger¹; Katharina Makower¹; Meryem Beklioglu²; Robert Ptacnik³</i> ¹ Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB); ² Middle East Technical University; ³ WasserCluster Lunz -Biologische Station GmbH</p>		
15:20	<p>Rainfall anomalies driving fluctuations of biodiversity and ecosystem processes in the Restinga de Jurubatiba National Park, Brazil <i>Rodrigo Martins¹; P. Gonçalves¹; A. C. Petry¹; A. Gripp¹; C. Braga¹; S. Batista¹; H. Bergallo²; É. Caramaschi¹; P. Carvalho¹; A. Dias¹; B. Felice¹; H. Lemos¹; F. Martins-Hatano³; E. Ma</i> ¹ Universidade Federal do Rio de Janeiro - UFRJ; ² Universidade do Estado do Rio de Janeiro - UERJ; ³ Universidade Federal Rural da Amazônia - UFRA</p>	<p>Whim Bog: a long-term nitrogen manipulation experiment on sensitive semi- natural vegetation <i>Netty van Dijk, Centre for Ecology and Hydrology Edinburgh</i></p>	<p>The Shallow Marine and Coastal Research Infrastructure: A model for Coastal and Marine ILTER sites (ILTER-CMS) <i>Thomas Bornman¹; Johan Pauw¹; Angus Paterson²; Nicky Allsop¹; Juliet Hermes¹</i> ¹ South African Environmental Observation Network (SAEON); ² South African Institute for Aquatic Biodiversity</p>		
15:40	Coffee break				
16:00	Closing Session				