



LIST OF APPROVED ABSTRACTS FOR ORAL PRESENTATION - SPECIAL SESSION

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If payment has already been made, we kindly request that you disregard this information.

SS01 - State And Trends Of Latino-America Freshwaters		
Code	Titles	Authors
1486	The influence of inorganic turbidity on the vertical distribution of picocyanobacteria in deep Andean lakes	BEATRIZ MODENUTTI (INIBIOMA, CONICET-UNComahue - Argentina), Luca Schenone (INIBIOMA, CONICET-UNComahue - Argentina), Esteban Balseiro (INIBIOMA, CONICET-UNComahue - Argentina)
1505	Lake Maracaibo (Venezuela): Causes, consequences, and possible ways to mitigate its eutrophication	JOSE RINCON (Laboratorio de Contaminación Acuática y Ecología Fluvial, Departamento de Biología, Facultad Experimental de Ciencias, Universidad del Zulia - Venezuela), Ernesto González (Laboratorio de Limnología, Instituto de Biología Experimental (IBE), Universidad Central de Venezuela - Venezuela), Carlos López (Centro del Agua y Desarrollo Sustentable, Campo Gustavo Galindo, Escuela Superior Politécnica del Litoral (ESPOL), Guayaquil, Ecuador / Departamento de Biología, Facultad Experimental de Ciencias, Universidad del Zulia, Venezuela - Ecuador)
1628	Andean Lakes, a proposal of lake districts	PABLO EDMUNDO PRADO VELASCO (Unidad de Limnología y Recursos Acuáticos, Universidad Mayor de San Simón, Cochabamba - Bolivia), BEATRIZ MODENUTTI (Laboratorio de Limnología, INIBIOMA, CONICET-UNComahue, Bariloche - Argentina), NELSON ARANGUREN-RIAÑO (Unidad de Ecología en Sistemas Acuáticos UDESA - Universidad Pedagógica y Tecnológica de Colombia UPTC - Colombia), ESTEBAN BALSEIRO (Laboratorio de Limnología, INIBIOMA, CONICET-UNComahue, Bariloche - Argentina), IRIS MARGOT SAMANEZ (Departamento de Limnología, Museo de Historia Natural - Universidad Nacional Mayor de San Marcos, Lima - Peru), MELINA CAMPERO (Unidad de Limnología y Recursos Acuáticos, Universidad Mayor de San Simón, Cochabamba - Bolivia), CARLA ELOISA FERNANDEZ (Unidad de Limnología y Recursos Acuáticos, Universidad Mayor de San Simón, Cochabamba - Bolivia), CARLOS ALBERTO RIVERA-RONDÓN (Laboratorio de Limnología, UNESIS, Departamento de Biología, Pontificia Universidad Javeriana, Bogotá - Colombia), FERNANDO M CARVAJAL-VALLEJOS (Unidad de Limnología y Recursos Acuáticos, Universidad Mayor de San Simón, Cochabamba - Bolivia), DIANA MABEL LÓPEZ-PARÍA (Departamento de Limnología del Museo de Historia Natural de la Universidad Nacional Mayor de San Marcos/División de Hidrobiología en LFL PERU S.A.C - Peru), YIMY HERRERA-MARTÍNEZ (Laboratorio de Ecología Acuática, Grupo XIUÁ, Escuela de Ciencias Biológicas, Universidad Pedagógica y Tecnológica de Colombia - UPTC, Tunja - Colombia), PATRICIO DE LOS RÍOS-ESCALANTE (Departamento de Ciencias Biológicas y Químicas, Facultad de Recursos Naturales, Universidad Católica de Temuco, Temuco - Chile)
1719	Temporal limnological patterns of a tropical lake in an intermittent fluvial system	DANIELA ROSERO LOPEZ (Universidad San Francisco de Quito - Ecuador), Andrea C. Encalada (Universidad San Francisco de Quito - Ecuador), Nelson Jr. Hairston (Cornell University - United States), Diana Ontaneda (Independent Researcher - Ecuador)

SS02 - Tropical floodplain lakes: ecological and hydrological processes		
Code	Titles	Authors
1286	Diel Dissolved Oxygen Variations in Amazon Floodplain Lakes	JOHN MELACK (University of California Santa Barbara - United States), Sally MacIntyre (UCSB - United States), Joao Amaral (UCSB - United States), Wencai Zhou (UCSB - United States)
1287	Near-surface turbulence and vertical mixing measurements in an Amazon floodplain lake: Implications for gas exchange	SALLY MACINTYRE (University of California Santa Barbara - United States), Wencai Zhou (University of California Santa Barbara - United States), John Melack (UCSB - United States)
1323	Carbon dioxide fluxes and environmental controls on Amazon floodplains	JOAO AMARAL (Universidad Del Rosario - Colombia), Pedro Maia Barbosa (Université du Québec à Montréal - Canada), John Michael Melack (University of California Santa Barbara - United States), Sally MacIntyre (University of California, Santa Barbara - United States), Bruce Rider Forsberg (Instituto Nacional De Pesquisas Da Amazonia - Manaus - AM - Brasil)
1455	Tropical floodplain lakes: ecology and hydrological processes	BRUCE FORSBERG (Instituto Nacional de Pesquisas da Amazonia - Manaus - AM - Brasil), João Henrique Fernandez Amaral (Universidad del Rosario - Colombia), John Melack (Earth Research Institute, University of California Santa Barbara - United States)

SS06 - From local to global water quality assessment with remote sensing

Code	Titles	Authors
1347	Use of multi- and hyperspectral data to assess the dynamics of primary producers in shallow Italian lakes	MARIANO BRESCIANI (National Research Council (CNR-IREA) - Italy), Monica Pinardi (National Research Council (CNR-IREA) - Italy), Nicola Ghirardi (National Research Council (CNR-IREA) - Italy), Alice Fabbretto (National Research Council (CNR-IREA) - Italy), Andrea Pellegrino (National Research Council (CNR-IREA) - Italy), Rosalba Padula (ARPA-Umbria - Italy), Paolo Villa (National Research Council (CNR-IREA) - Italy), Alessandro Quirino Scotti (National Research Council (CNR-IREA) - Italy), Claudia Giardino (National Research Council (CNR-IREA) - Italy)
1441	Chlorophyll-a Concentration Monitoring in Inland Waters Using Sentinel-2 Multispectral Data and In-situ Measurements: A Comparison of Gaussian Processes Regression and Parametric Index Models	GABRIEL CABALLERO (University of Valencia - Spain), Xavier Sòria-Perpinyà (University of Valencia - Spain), Eduardo Vicente (University of Valencia - Spain), Bárbara Alvaro (University of Valencia - Spain), Rebeca Pérez-González (University of Valencia - Spain), Patricia Urrego (University of Valencia - Spain), Carolina Tenjo (University of Valencia - Spain), Antonio Ruiz-Verdú (University of Valencia - Spain), Jesus Delegido (University of Valencia - Spain), Jaun Miguel Soria (University of Valencia - Spain), José Moreno (University of Valencia - Spain), María Rodrigo Alacreu (University of Valencia - Spain)
1457	USE OF MULTISPECTRAL SENSORS TO CLASSIFY MACROPHYTE SPECIES IN WETLANDS, AND DEFINITION OF DEVELOPMENT CHARACTERISTICS THROUGH VEGETATION INDEXES BY MEANS OF ARTIFICIAL INTELLIGENCE	RODRIGO MORO (UFPR - Curitiba - PR - Brasil), GABRIEL TROYAN RODRIGUES (PUC - Curitiba - PR - Brasil), SANDRA MARTINS RAMOS (UFPR - Curitiba - PR - Brasil), PHILIPPE RATTON (UFPR - Curitiba - PR - Brasil), LUCAS MONTEIRO DILDEY (UNILIVRE - Curitiba - PR - Brasil), EDUARDO RATTON (UFPR - Curitiba - PR - Brasil), RAUL ALBERTO MARCON (SANEPAR - Curitiba - PR - Brasil), ESTER AMELIA ASSIS MENDES (SANEPAR - Curitiba - PR - Brasil), LEILA TERESINHA MARANHO (UFPR - Curitiba - PR - Brasil), LEONARDO DE SOUZA LISBOA (UFPR - Curitiba - PR - Brasil), CRISTHYANO CAVALI DA LUZ (UNILIVRE - Curitiba - PR - Brasil), DURVAL NASCIMENTO NETO (UNILIVRE - Curitiba - PR - Brasil)
1478	Modular system for continuous monitoring of inland water quality by remote sensing - MAPAQUALI	CLAUDIO CLEMENTE FARIA BARBOSA (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Daniel Andrade Maciel (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Evelyn Marcia Moraes de Leão Novo (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Felipe Menino Carlos (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Rejane de Souza Paulino (Mississippi State University (MSU) - United States), Raianny Leite do Nascimento Wanderley (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Vitor Conrado Faria Gomes (IEAv - Instituto de Estudos Avançados - São Jose dos Campos - SP - Brasil), Felipe Nincao Begliomin (University of Cambridge - United Kingdom), Felipe de Lucia Lobo (Universidade Federal de Pelota - Pelotas - RS - Brasil), Vitor Souza Martins (Mississippi State University (MSU) - United States), Gilberto Ribeiro Queiroz (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil), Karine R. Ferreira (Instituto Nacional de Pesquisas Espaciais-INPE - São Jose dos Campos - SP - Brasil)
1489	Retrieval of phytoplankton pigment and taxonomic data from remote sensing reflectance spectra	ANTONIO RUIZ-VERDU (University of Valencia - IPL - Spain), Carolina Tenjo (University of Valencia - IPL - Spain), Xavier Sòria-Perpinyà (University of Valencia - IPL - Spain), Gabriel Caballero (University of Valencia - IPL - Spain), Bárbara Alvaro (University of Valencia - IPL - Spain), Eduardo Vicente (University of Valencia - ICBiBE - Spain), María Dolores Sendra (University of Valencia - ICBiBE - Spain), Olga Kramer (University of Valencia - ICBiBE - Spain), Patricia Urrego (University of Valencia - IPL - Spain), Jesús Delegido (University of Valencia - IPL - Spain), José Moreno (University of Valencia - IPL - Spain), María Antonia Rodrigo-Alacreu (University of Valencia - ICBiBE - Spain)
1651	Inland Aquatic Atmospheric Correction? Yes, you need it!	IGOR OGASHAWARA (Leibniz Institute of Freshwater Ecology and Inland Fisheries - Germany)
1734	Improving remote sensing estimation of Secchi disk depth for global lakes and reservoirs using machine learning methods	YIBO ZHANG (Chinese Academy of Science - China)
1743	A database of chlorophyll-a concentration for lakes and reservoirs derived from Sentinel-2 MSI imagery: validation in the Garonne river basin	MATHEUS TAVARES (GET/IRD - France), Jean-Michel Martinez (GET/IRD - France), David Guimarães Monteiro França (GET/CNES - France)

SS07 - Coupling remote sensing, modelling and in situ monitoring to support lentic ecosystems management: targeting lakes and reservoirs from Global South countries

Code	Titles	Authors
1399	Exploration of satellite-derived climate essential lakes variables in South American and African lakes	MONICA PINARDI (CNR-IREA - Italy), Mariano Bresciani (CNR-IREA - Italy), Rossana Caroni (CNR-IREA - Italy), Marina Amadori (CNR-IREA - Italy), Claudia Giardino (CNR-IREA - Italy), Natalia Lizana (CNR-IREA, University of Milan - Italy), Anna Joelle Greife (CNR-IREA, University of Milan - Italy), Francesco Fava (University of Milan - Italy), Laura Carrea (University of Reading - England)
1458	USE OF MULTISPECTRAL CAMERAS ON DRONES FOR THE CLASSIFICATION AND CHARACTERIZATION OF MACROPHYTE PLANTS IN WETLAND REGIONS, THROUGH THE USE OF ARTIFICIAL INTELLIGENCE COMBINED WITH VEGETATION INDICES	RODRIGO MORO (UFPR - Curitiba - PR - Brasil), GABRIEL TROYAN RODRIGUES (PUC - Curitiba - PR - Brasil), LEONARDO DE SOUZA LISBOA (UFPR - Curitiba - PR - Brasil), ESTER AMELIA ASSIS MENDES (Sanepar - Curitiba - PR - Brasil), RAUL ALBERTO MARCON (Sanepar - Curitiba - PR - Brasil), PHILIPPE RATTON (UFPR - Curitiba - PR - Brasil), LEILA TERESINHA MARANHO (UFPR - Curitiba - PR - Brasil), EDUARDO RATTON (UFPR - Curitiba - PR - Brasil), SANDRA MARTINS RAMOS (UNILIVRE - Curitiba - PR - Brasil), LUCAS MONTEIRO DILDEY (UNILIVRE - Curitiba - PR - Brasil), CRISTHYANO CAVALI DA LUZ (UNILIVRE - Curitiba - PR - Brasil), DURVAL NASCIMENTO NETO (UNILIVRE - Curitiba - PR - Brasil)

1620	Hydrodynamics and water quality of Rincón del Bonete reservoir (Uruguay): integrating numerical modeling with in-situ and satellite data	PABLO SANTORO (School of Engineering, Universidad de la República - Uruguay), Santiago Delgado (School of Engineering, Universidad de la República - Uruguay), Facundo Galletta (School of Engineering, Universidad de la República - Uruguay), Fernanda Maciel (School of Engineering, Universidad de la República - Uruguay), Eliana Morquio (School of Engineering, Universidad de la República - Uruguay), Rodrigo Mosquera (School of Engineering, Universidad de la República - Uruguay), Carolina Paz (School of Engineering, Universidad de la República - Uruguay), Francisco Pedocchi (School of Engineering, Universidad de la República - Uruguay), Ismael Piedra-Cueva (School of Engineering, Universidad de la República - Uruguay), Lucía Ponce de León (School of Engineering, Universidad de la República - Uruguay), Agustín Ríos (School of Engineering, Universidad de la República - Uruguay)
1707	Remote Sensing in the Identification of Limnological Variables: Estimator Models of Optically Active Components and Temporal Correlations in Itaipu Reservoir	DIEGO ALBERTO TAVARES (ITAIPU TECHNOLOGICAL PARK - BRAZIL - Foz do Iguaçu - PR - Brasil), EDIMAR PEREIRA DOS SANTOS JUNIOR (Universidade Federal de Santa Maria - SANTA MARIA - RS - Brasil), JUSSARA ELIAS DE SOUZA (ITAIPU BINACIONAL - FOZ DO IGUAÇU - PR - Brasil), RAQUEL FREITAS DUARTE (ITAIPU BINACIONAL - FOZ DO IGUAÇU - PR - Brasil), RAFAEL DEZORDI (ITAIPU TECHNOLOGICAL PARK - BRAZIL - FOZ DO IGUAÇU - PR - Brasil), WATERLOO PEREIRA FILHO (Universidade Federal de Santa Maria - SANTA MARIA - RS - Brasil)
1805	Comparison of 3D hydrodynamic modelling results and water temperature data provided by Landsat-8 in Lake Pampulha (Brazil)	Luana Siebra Andrade (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), TALITA SILVA (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Luiz Felipe Machado Faria de Souza (Universidade Federal do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Alexandre Flávio Assunção (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Lino Augusto Sander de Carvalho (Universidade Federal do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Brigitte Vinçon-Leite (LEESU/Ecole des Ponts ParisTech/Université Paris-Est - France)
1839	Water quality monitoring of urban lakes: Assessment of chlorophyll-a levels using Sentinel-2 MSI imagery	BRIGITTE VINÇON-LEITE (Ecole des Ponts ParisTech / LEESU - France), Arthur Costa Cavalcante (Ecole des Ponts ParisTech / LEESU - France), Arthur Guillot - Le Goff (Ecole des Ponts ParisTech - France), Luana Siebra Andrade (UFMG EHR - Belo Horizonte - MG - Brasil), Talita Fernanda das Graças Silva (UFMG EHR - Belo Horizonte - MG - Brasil), Lino Sander de Carvalho (UFRJ - Rio de Janeiro - RJ - Brasil), Luiz Fernando De Albuquerque Bruno (UFRJ - Rio de Janeiro - RJ - Brasil)

SS08 - Mathematical Modeling in Limnology: Present and Future

Code	Titles	Authors
1353	Hypoxia threats to local and continental lake fish diversity in North America and Europe	ANA HADASSA CRUZ MOREIRA (Radboud University - Netherlands)
1410	Enhancing numerical modeling of thermal structure in a humid subtropical reservoir undergoing rapid changes in weather through the analysis of air-water heat exchange components	AGUSTIN RIOS (Facultad de Ingenieria, Universidad de la Republica - Uruguay), Pablo Esteban Santoro (Facultad de Ingenieria, Universidad de la Republica - Uruguay), Carolina Paz (Facultad de Ingenieria, Universidad de la Republica - Uruguay), Santiago Delgado (Facultad de Ingenieria, Universidad de la Republica - Vanuatu), Francisco Pedocchi (Facultad de Ingenieria, Universidad de la Republica - Uruguay)
1461	Modelling biogeochemical cycles in lakes and their catchments: the case of Lake Pusiano and other environments of the Lombardy Region, Northern Italy	DIEGO COPETTI (CNR, Water Research Institute - Italy), Claudia Dresti (CNR, Water Research Institute - Italy), Nicolò Pella (University of Pavia; CNR, Water Research Institute - Italy), Paolo Dezuanni (University of Pavia; CNR, Water Research Institute - Italy), Lucia Valsecchi (CNR, Water Research Institute - Italy), Michela Rogora (CNR, Water Research Institute - Italy), Fabio Buzzi (ARPA Lombardia - Italy), Daniele Magni (Regione Lombardia - Italy), Javier Senent-Aparicio (Universidad Católica San Antonio de Murcia - Spain), Andrea Fenocchi (University of Pavia; CNR, Water Research Institute - Italy)
1464	Are alternative equilibria in shallow lakes a myth? Combining modelling and empirical data to test the concept	SABINE HILT (Leibniz Institute of Freshwater Ecology and Inland Fisheries Berlin - Germany), Mandy Velthuis (Radboud University Nijmegen - Netherlands), Annette B.G. Janssen (Wageningen University - Netherlands), Beatrix Beisner (Universite du Quebec a Montreal - Canada), Irmgard Blindow (Greifswald University - Germany), Soren Brothers (Royal Ontario Museum Toronto - Canada), Luc De Meester (Leibniz Institute of Freshwater Ecology and Inland Fisheries Berlin - Germany), Alena S. Gsell (Leiden University - Netherlands), Lars-Anders Hansson (Lund University - Sweden), Sarian Kosten (Radboud University Nijmegen - Netherlands), Pieter Lemmens (Leibniz Institute of Freshwater Ecology and Inland Fisheries Berlin - Germany), Sven Teurlincx (Netherlands Institute of Ecology - Netherlands)
1560	Transport and mixing induced by internal seiche destabilization on sloping bathymetry	RAFAEL DE CARVALHO BUENO (FEDERAL UNIVERSITY OF PARANÁ - CURITIBA - PR - Brasil), TOBIAS BLENINGER (FEDERAL UNIVERSITY OF PARANÁ - CURITIBA - PR - Brasil), ANDREAS LORKE (UNIVERSITY OF KAISERSLAUTERN-LANDAU - Germany)
1617	Water quality modeling calibration's approaches: objectives and methods	LAIS FERRER AMORIM DE OLIVEIRA (USP - São Paulo - SP - Brasil), José Rodolfo Scarati Martins (usp - São Paulo - SP - Brasil), Fernando Correia Labbate (usp - São Paulo - SP - Brasil)
1639	Rapid through-flow from storm events in a subtropical reservoir: modelling reveals propagation of nutrients and pathogens from the catchment to downstream river system	DAVID HAMILTON (Griffith University - Australia), MohammadHassan Ranjbar (Griffith University - Australia), Songyan Yu (Griffith University - Australia), Kate Smolders (Seqwater - Australia), Simon Rotherham (Seqwater - Australia), Michael Bartkow (Seqwater - Australia), Tony Weber (Alluvium Consulting - Australia), Michele Burford (Griffith University - Australia)
1658	The effect of data scarcity on calibration and validation of a coupled lake ecosystem model: A case study	MAUD SIEBERS (University of Stirling - United Kingdom), Peter Hunter (University of Stirling - United Kingdom), Ian Jones (University of Stirling - United Kingdom), Tom Shatwell (UFZ - Germany)

1661	Pivotal role of zooplankton in the trophic cascade of shallow water bodies ‐ A mesocosm modelling approach	MARIA SPOLJAR (Department of Biology, Zoology, Faculty of Science, University of Zagreb, Rooseveltov trg 6, HR-10000 Zagreb - Croatia), NATALIA KUCZYŃSKA-KIPPEN (Department of Water Protection, Faculty of Biology, Adam Mickiewicz University, Uniwersytetu Poznańskiego 6, 61-614 Poznań - Poland), CHEN ZHANG (State Key Laboratory of Hydraulic Engineering Intelligent Construction and Operation, Tianjin University, Tianjin 300350 - China), JELENA FRESSL (Elektroprojekt d.d., Alexander von Humboldtta 4, HR-10000 Zagreb - Croatia), TVRTKO DRAZINA (Department of Biology, Zoology, Faculty of Science, University of Zagreb, Rooseveltov trg 6, HR-10000 Zagreb - Croatia), TEA TOMLIANOVIĆ (Department of Fisheries, Beekeeping, Game Management and Special Zoology, Faculty of Agriculture, University of Zagreb, Svetošimunska 25, HR-10 000 Zagreb - Croatia), MARIJA PURGAR (Ruđer Bošković Institute, Bijenička cesta 54, 10000 Zagreb - Croatia)
1691	Nitrogen fixation is driven by cellular stores in a diazotrophic cyanobacterium: evidence from cultures and model validation	MAN XIAO (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), Michele A Burford (Australian Rivers Institute, Griffith University - Australia), Anusuya Willis (Australian National Algae Culture Collection, CSIRO - Australia), Melanie E Roberts (Australian Rivers Institute, Griffith University - Australia), Matthew P. Adams (School of Mathematical Sciences, Queensland University of Technology - Australia), Marieke A. Frassl (German Federal Institute of Hydrology - Germany), David P. Hamilton (Australian Rivers Institute, Griffith University - Australia)

SS09 - Deciphering Human- and Climate-Driven Impacts on Lakes using Paleolimnological Studies		
Code	Titles	Authors
1241	Assessing the impacts of aquaculture and pesticide use in a protected tropical wetland (Loktak Lake, India)	HAMISH DUNCALF-YOUNGSON (University of Nottingham, BGS - Great Britain (United Kingdom)), Virginia Panizzo (University of Nottingham - Great Britain (United Kingdom)), Jack Lacey (BGS - Great Britain (United Kingdom)), Rajiv Kangabam (KIIT - India)
1302	Sedimentary ancient DNA reveals the impact of land use disturbance on fish community structure in a small lake	GEORGIA THOMSON-LAING (Cawthron Institute - New Zealand), Jamie D Howarth (Victoria University of Wellington - New Zealand), Javier Atalah (Cawthron Institute - New Zealand), Marcus J Vandergoes (GNS Science - New Zealand), Xun Li (GNS Science - New Zealand), John K Pearman (Cawthron Institute - New Zealand), Chris Moy (University of Otago - New Zealand), Adelaine Moody (Victoria University of Wellington - New Zealand), Claire Shepherd (GNS Science - New Zealand), Susanna A Wood (Cawthron Institute - New Zealand)
1379	Forensic paleolimnology: Investigating the effects of mink fur farming versus other potential stressors on SW Nova Scotia (Canada) lakes	JOHN SMOL (Queen's University - Canada), Nell Libera (Queen's University - Canada), Kathleen Ruhland (Queen's University - Canada), Joshua Kurek (Mt. Allison University - Canada), Julia Campbell (Mt. Allison University - Canada), Abigail Jones (Queen's University - Canada), Linda E. Kimpe (Univ. Ottawa - Canada), Jennifer Kissinger (Univ. Ottawa - Canada), Carsten Meyer-Jacob (Queen's University - Canada), Jules M. Blais (Univ. Ottawa - Canada)
1394	Long-term cooling during the Late Holocene drove a drastic decrease in the functional and taxonomic diversity of cladocerans in a subarctic lake.	MARIA DE LOS ANGELES GONZALEZ SAGRARIO (Instituto de Investigaciones Marinas y Costeras, CONICET Universidad Nacional de Mar del Plata - Argentina), Tobias Vreder (Swedish University of Agricultural Sciences - Sweden), Simon Belle (Swedish University of Agricultural Sciences - Sweden)
1485	Paleolimnology in support of Indigenous governance in Ontario, Canada's largest inland lake	JOSHUA THIENPONT (York University - Canada), Randelle Adano (York University - Canada), Rachel Pellegrino (York University - Canada), Robert Stewart (Lakehead University - Canada), Nathan Wilson (Lakehead University - Canada), Frank Hardy (Biinjitiwaabik Zaaging Anishnaabek - Canada), Jennifer Korosi (York University - Canada)
1540	Sedimentary DNA reveals shifts in microbial diversity and function over 1000 years of increasing anthropogenic activity	SUSIE WOOD (Cawthron - New Zealand), Marcus Vandergoes (GNS Science - New Zealand), Lakes380 Team (Cawthron/GNS - New Zealand)
1669	One thousand years of change: exploring national scale shifts in lake health through periods of intensifying human impact.	MARCUS VANDERGOES (GNS Science - New Zealand), Susie Wood (Cawthron Institute - New Zealand), Xun Li (GNS Science - New Zealand), Claire Shepherd (GNS Science - New Zealand), Jamie Howarth (Victoria University of Wellington - New Zealand), John Pearman (Cawthron Institute - New Zealand), Chris Moy (University of Otago - New Zealand), Andrew Rees (Victoria University of Wellington - New Zealand), Members Lakes380 team (https://lakes380.com/about-the-project/the-team - New Zealand)
1765	Developing diatom-based transfer functions for lakes in the Araguaia River basin, Brazil.	DORIEDSON GOMES (Federal University of Bahia - SALVADOR - BA - Brasil), Loreane Dias Alves (UFBA/USP - SALVADOR - BA - Brasil), Luan Ribeiro Baqueiro Figueiredo (UFBA - Salvador - BA - Brasil), Pietro Martins Barbosa Noga (UFBA - Salvador - BA - Brasil), Angélica Yohana Cardozo Vargas (UFBA - Salvador - BA - Brasil)
1774	Paleoenvironmental changes over glacial and interglacial cycles (Mid-Pleistocene) in the Colônia Basin, Brazil	GISELE C. MARQUARDT (UFPR - Curitiba - PR - Brasil), Denise Campos Bicudo (Instituto de Pesquisas Ambientais - São Paulo - SP - Brasil), Jaques Everton Zanon (Instituto de Pesquisas Ambientais - São Paulo - SP - Brasil), Carlos Eduardo de Mattos Bicudo (Instituto de Pesquisas Ambientais - São Paulo - SP - Brasil), Ingrid Horák-Terra (Universidade Federal dos Vales do Jequitinhonha e Mucuri - Unai - MG - Brasil), Marie Pierre Ledru (Université Montpellier - France)
1876	A ~250-year long sedimentary DNA record of cyanobacterial Harmful Algal Blooms (cyanoHABs) from Lake Żabińskie, in North-Eastern Poland	ROBIN CRUCITTI-THOO (University of Warsaw - Poland), Wojciech Tylmann (University of Gdansk - Poland), Iwona Jasser (University of Warsaw - Poland)

SS10 - Landscape limnology		
Code	Titles	Authors
1452	HOW MANY AND WHICH ECOREGIONS ARE NEEDED FOR A SOUND BIOASSESSMENT OF STREAMS?	RAFAEL AROCENA (UNIVERSIDAD DE LA REPUBLICA - Uruguay), Manuel Castro (Universidad de la República - Uruguay)
1612	Conserving rivers under changing climate: Balancing stakeholder interests with ecological potential in the Au Sable River, Michigan, USA	JUSTIN MILLER (Michigan State University - United States), Hao Yu (Michigan State University - United States), Jared A Ross (Michigan State University - United States), Hunter A Pendergraft (Michigan State University - United States), Kelly F Robinson (U.S. Geological Survey - United States), Kaili M Gregory (University of Georgia - United States), Dana M Infante (Michigan State University - United States)
1623	Small Shallow Lakes of the Pampean Agricultural Landscape: Integration with the Natural and the Anthropogenic Environment	MARIA BOVERI (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Armando Martín Rennella (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Alejandro Lopez (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Cecilia Blanco (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Amalia Stasta Estigarribia (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Juan Ignacio Curarello (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Hernan Mazziotti (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Florencia Maccione (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina), Amancay Mamani (Universidad de Buenos Aires, Facultad de Agronomía, Departamento de Producción Animal, cátedra de Acuicultura y Ecología Acuática - Argentina)
1724	Recent development of tools and data for scalable and efficient analysis of freshwater ecosystems and biodiversity modeling.	JAIME RICARDO GARCIA-MARQUEZ (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Sami Domisch (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Afroditi Grigoropoulou (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Marlene Schürz (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Yusdiel Torres-Cambas (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Vanessa Bremerich (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Thomas Tomiczek (Leibniz Institute of Freshwater Ecology (IGB) - Germany), Giuseppe Amatulli (Yale University - United States)
1753	A fading landscape with vanishing diversity: describing diversity decay trends for temporary ponds' zooplankton communities along 60 years of landscape degradation.	DAVID CUNILLERA-MONTCUSI (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research, Budapest, Hungary - Hungary), Ádám Fierpasz (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research, Budapest, Hungary - Hungary), Zsófia Horváth (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research, Budapest, Hungary - Hungary)
1764	Georoute at the triple boarder of Brazil, Argentina and Paraguai.	GABRIELLA OTTMANN (UFSC - Florianópolis - SC - Brasil)

SS11 - Land-Use Changes on Neotropical Streams: Impacts and Scientific Advances		
Code	Titles	Authors
982	Investigating context-dependent leaf litter breakdown dynamics and influences in Neotropical riparian habitats	EMANUEL RAMPANELLI CARARO (Universidade Comunitária da Região de Chapecó - UNOCHAPECO - Chapecó - SC - Brasil), CÁSSIA ALVES LIMA-REZENDE (Universidade Comunitária da Região de Chapecó - UNOCHAPECO - Chapecó - SC - Brasil), GUILHERME SENA (Universidade de Brasília - Brasília - DF - Brasil), JOSÉ FRANCISCO GONÇALVES JÚNIOR (Universidade de Brasília - Brasília - DF - Brasil), RENAN de SOUZA REZENDE (Universidade Comunitária da Região de Chapecó - UNOCHAPECO - Chapecó - SC - Brasil)
1270	Unraveling the Interplay of Land-Use and Climate Change Stressors in Tropical Streams: Insights from a Mesocosm Experiment	RICARDO TANIWAKI (Universidade Federal do ABC - Santo André - SP - Brasil), Gabrielle Almeida (Universidade Federal do ABC - Santo André - SP - Brasil), Paulo Miranda (Universidade Federal do ABC - Santo André - SP - Brasil), Victor Saito (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Milena Sartori (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Hugo Saulino (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Mariana Morilla (Universidade Federal do ABC - Santo André - SP - Brasil), Marcelo Moretti (Universidade Vila Velha - Vila Velha - ES - Brasil), Jeremy Piggott (Trinity College Dublin - Ireland)
1538	Reshaping ecosystems: the impact of riparian zone degradation on community size structure and ecosystem functioning	PAULA MUNHOZ DE OMENA (UNIVERSIDADE VILA VELHA - Vila Velha - ES - Brasil), LARISSA CORTELETTI COSTA (UNIVERSIDADE VILA VELHA - Vila Velha - ES - Brasil), REBECCA OESTER (wiss Federal Institute of Aquatic Science and Technology - Switzerland), PAULA CAROLINA OLIVEIRA DOS REIS (Luiz de Queiroz College of Agriculture University of São Paulo - Piracicaba - SP - Brasil), ANDREAS BRUDER (University of Applied Sciences and Arts of Southern Switzerland - Switzerland), MARCELO SILVA MORETTI (UNIVERSIDADE VILA VELHA - Vila Velha - ES - Brasil)

1559	How do agricultural stressors influence leaf breakdown and decomposer assemblages in streams? A mesocosm experiment	MARCELO MORETTI (Universidade Vila Velha - Vila Velha - ES - Brasil), Lyandra O. Penha (Universidade Vila Velha - Vila Velha - ES - Brasil), Larissa C. Costa (Universidade Vila Velha - Vila Velha - ES - Brasil), Karoline V. Serpa (Universidade Vila Velha - Vila Velha - ES - Brasil), Paulo S. C. T. Miranda (Universidade Federal do ABC - Santo André - SP - Brasil), Gabrielle S. S. Almeida (Universidade Federal do ABC - Santo André - SP - Brasil), Mariana Morilla (Universidade Federal do ABC - Santo André - SP - Brasil), Maria Gabrielle R. Maciel (Universidade Federal do Rio Grande - Rio Grande - RS - Brasil), Milena Sartori (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Victor S. Saito (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Fabiana Schneck (Universidade Federal do Rio Grande - Rio Grande - RS - Brasil), Ricardo H. Taniwaki (Universidade Federal do ABC - Santo André - SP - Brasil)
1673	Multi-biomonitoring approaches are necessary for the assessment of change in land use effects in streams: experiences in Uruguay	Franco Teixeira de Mello (Universidad de la República - Uruguay), Margenny Barrios (Universidad de la República - Uruguay), Virginia Álvarez (Universidad de la República - Uruguay), Bárbara De Feo (Universidad de la República - Uruguay), Eugenia Fontes (Universidad de la República - Uruguay), Juan Manuel Gutiérrez (Universidad de la República - Uruguay), Emilia Heber (Universidad de la República - Uruguay), Alejandra Kröger (Universidad de la República - Uruguay), Evelyn Krojmal (Universidad de la República - Uruguay), Juan Pablo Lozoya (Universidad de la República - Uruguay), Adriana Piperno (Universidad de la República - Uruguay), Andrés Pérez Parada (Universidad de la República - Uruguay), Dieison A. Moi (Universidade Estadual de Campinas - Campinas - SP - Brasil), Martín Pacheco (Universidad de la República - Uruguay), Cesar Rodríguez-Bolaña (Universidad de la República - Uruguay), Dalma Soñez (Universidad de la República - Uruguay), Bárbara Suárez (Universidad de la República - Uruguay), Giancarlo Tesitore (Universidad de la República - Uruguay), Lucía Urtado (Universidad de la República - Uruguay), Camila Vidal (Universidad de la República - Uruguay)
1746	Riparian Forests as Stewards of Water Quality in Tropical River Basins	BIANCA LOUREIRO DO VALLE (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Lorena Torres Oporto (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Diego Guimarães Pujoni (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Francielle Silva Cardozo (Universidade Federal de São João del Rei - São João del Rei - MG - Brasil), Gabriel Pereira (Universidade Federal de São João del Rei - São João del Rei - MG - Brasil), José Fernandes Bezerra-Neto (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil)
1900	Human footprint(s) on stream community size structure: consistent impacts across latitudes?	DAN PERKINS (University of Roehampton, London - United Kingdom), Ignasi Arranz (King Juan Carlos University, Madrid - Spain), Ioar De Guzman (University of the Basque Country - Spain), Vojšava Gjoni (University of South Dakota - United States), Dean Jacobsen (University of Copenhagen - Denmark), Pavel Kratina (Queen Mary, University London - United Kingdom), Aitor Larranaga (University of the Basque Country - Spain), Ciarán Murray (NIVA Denmark Water Research - Denmark), Justin Pomeranz (Colorado Mesa University - United States), Jes J Rasmussen (NIVA Denmark Water Research - Denmark), Victor Saito (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Francisco Valente (Universidade Federal de São Carlos - São Carlos - SP - Brasil)

SS12 - Greenhouse gases emission and carbon sequestration in aquatic ecosystems: Unraveling drivers, magnitude and uncertainties		
Code	Titles	Authors
1014	Iron reduction, carbon release and GHG emission from soils flooded by a tropical reservoir	ETIENNE DAMBRINE (INRAE - France), Jérémie Gaillard (USMB - France), Vincent Chanudet (EDF - France), Régis Vigouroux (Hydreco - France), Olivier Attéia (Université Bordeaux, Géoresources et - France), Gregory Vanderheijden (BEF, INRAE - France), Fanny Colas (LEHNA, Université Claude Bernard Lyon - France)
1229	A large-scale study of CH4 ebullition in La Romaine Hydropower Complex (Quebec, Canada)	MARIANA PEIFER BEZERRA (Groupe de Recherche Interuniversitaire en Limnologie (GRIL), Département des Sciences Biologiques, Université du Québec à Montréal (UQÀM) - Canada), Pedro Maia Barbosa (Groupe de Recherche Interuniversitaire en Limnologie (GRIL), Département des Sciences Biologiques, Université du Québec à Montréal (UQÀM) - Canada), Paul A. del Giorgio (Groupe de Recherche Interuniversitaire en Limnologie (GRIL), Département des Sciences Biologiques, Université du Québec à Montréal (UQÀM) - Canada)
1243	Atmospheric CO2 absorption and counteraction by CH4 emissions in a large eutrophic lake with different habitats	LEI ZHANG (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), Jicheng ZHONG (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China)
1280	Assessing Carbon Emissions from Reservoirs in China: Insights from the G-res Model and Implications for Hydropower Planning	ZILIN WANG (University of Nottingham Ningbo China - China)
1364	Sources and sinks of methane (CH4) in a recently built boreal reservoir complex	PEDRO BARBOSA (GRIL/UQAM - Canada), Paul del Giorgio (GRIL/UQAM - Canada)
1387	LINKS BETWEEN LAKE METABOLISM AND DOC CONCENTRATION AND COMPOSITION	AMIR REZA SHAHABINIA (UQAM - Canada), Paul A del Giorgio (UQAM - Canada)
1474	GHG Program at Hydro-Québec: A focus on the use of automated GHG measuring systems in generating stations to capture temporal variations of the carbon footprint of reservoirs	MAUDE LAROCHELLE (Hydro-Québec - Canada), Maud Demarty (Aqua-Consult - Canada), Charles Deblois (Aqua-Consult - Canada), Yann Chavaillaz (Hydro-Québec - Canada), François Bilodeau (Hydro-Québec - Canada), Alain Tremblay (Hydro-Québec - Canada)

1475	Revisiting the carbon footprint of the Paix-des-Braves (Eastmain-1) reservoir 17 years after flooding, Québec (Canada)	YANN CHAVAILLAZ (Hydro-Québec - Canada), Maud Demarty (Aqua-Consult - Canada), Charles Deblois (Aqua-Consult - Canada), François Bilodeau (Hydro-Québec - Canada), Paul Del Giorgio (Université du Québec à Montréal - Canada), Alain Tremblay (Hydro-Québec - Canada)
1492	Tubifex spp. effects on sediment CH4 and CO2 emissions from three different sediments	ILENIA MARQUINA LUEVANO (RADBOD UNIVERSITY - Netherlands), LUCIA CABRERA LAMANNA (RADBOD UNIVERSITY - Netherlands), ANNELIES J VERAART (RADBOD UNIVERSITY - Netherlands), SARIAN KOSTEN (RADBOD UNIVERSITY - Netherlands)
1534	Calcite formation linked to photosynthesis reduces carbon dioxide emissions and can sequester carbon in hardwater ecosystems	ISABEL RECHE (Universidad de Granada - Spain), Ignacio Peralta-Maraver (Universidad de Granada - Spain), Eva Rodríguez-Velasco (Universidad de Granada - Spain), Andrés Martínez-García (Universidad de Granada - Spain), Miriam García-Alguacil (Universidad de Granada - Spain), Félix Picazo (Universidad de Granada - Spain), Rodrigo Javier Gonçalves (Universidad de Granada - Spain), Rafael Morales-Baquero (Universidad de Granada - Spain)
1785	GREENHOUSE GASES IN CLEAR-WATER LAKES ALONG A 2000 KM TRANSECT FROM THE PRAIRIES TO TUNDRA, CANADA	MILLA RAUTIO (Université du Québec à Chicoutimi - Canada), Vilmantas Prėskienis (Université du Québec à Chicoutimi - Canada), Henriikka Kivilä (Université du Québec à Chicoutimi - Canada), Jules M. Blais (University of Ottawa - Canada), Dënë Cheecham-Uhrich (Clearwater River Dënë Nation - Canada)

SS13 - Cyanobacteria; Nutrients; Control: from Science to Management

Code	Titles	Authors
1157	High-resolution mapping of toxic and bioactive metabolites in cyanobacterial harmful algal blooms within Lake Erie's western basin	JUDY WESTRICK (Wayne State University - United States), Arthur Zastepa (Environment and Climate Change Canada - Canada)
1160	Eutrophication Control of Large Shallow Lakes in China	BOQIANG QIN (Nanjing Institute of Geography & Limnology - China), Yunlin Zhang (Nanjing Institute of Geography & Limnology - China), Guangwei Zhu (Nanjing Institute of Geography & Limnology - China), Guang Gao (Nanjing Institute of Geography & Limnology - China)
1294	Monitoring picocyanobacteria in supply reservoirs: inconspicuous blooms of Cyanogranis Hind´k, 1982	LEOPOLDO CAPANEMA DE ALMEIDA (COPASA - BELO HORIZONTE - MG - Brasil), LEIDE GONÇALVES COTA (COPASA - TEÓFILO OTONI - MG - Brasil)
1319	The potential of freshwater bloom-forming cyanobacteria to invade coastal Baltic Sea waters at different climate change scenarios	LUKASZ WEJNEROWSKI (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Aleksandra Pelechata (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Michał Rybak (Department of Water Protection, Adam Mickiewicz University in Poznan - Poland), Agnieszka Piasecka (Department of Gene Expression, Adam Mickiewicz University in Poznan - Poland), Józef Piotr Antonowicz (Department of Environmental Chemistry and Toxicology, Pomeranian University in Slupsk - Poland), Gabriela Belniak (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Oskar Kamiński (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Marcin Krzysztof Dziuba (Department of Ecology and Evolutionary Biology, University of Michigan - United States), Judita Koreivienė (Laboratory of Algae and Microbial Ecology, Vilnius University - Lithuania), Jussi Meriluoto (Biochemistry, Åbo Akademi University - Finland), Piotr Dawidowicz (Department of Hydrobiology, University of Warsaw, - Poland)
1400	Long term impacts of nitrogen reductions on N2-fixing cyanobacteria in Lake Müggelsee, Germany	JORDAN FACEY (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Jan Köhler (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany)
1454	Tracking eutrophication and bloom control across the globe – CyaNuCo, a new SIL Working Group	INGRID CHORUS (Leibniz Institute of Freshwater Ecology and Inland Fisheries (guest scientist) - Germany), Olga Tammeorg (University of Helsinki, Department of Agricultural Sciences, Helsinki, Finland and Estonian University of Life Sciences, Tartu, Estonia - Finland), Hans Paerl (University of North Carolina at Chapel Hill, Institute of Marine Sciences - United States)
1480	Combined effects of carbon dioxide and temperature elevation on the performance of freshwater bloom-forming cyanobacteria	OSKAR KAMIŃSKI (Department of Hydrobiology, Adam Mickiewicz University in Poznań - Poland), Michał Rybak (Department of Water Protection, Adam Mickiewicz University in Poznań - Poland), Gabriela Belniak (Department of Hydrobiology, Adam Mickiewicz University in Poznań - Poland), Maria Katarzyna Wojciechowicz (Department of General Botany, Adam Mickiewicz University in Poznań - Poland), Marlena Ratajczak (Laboratory of Electron and Confocal Microscopy, Adam Mickiewicz University in Poznań - Poland), Marcin Krzysztof Dziuba (Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor - United States), Łukasz Wejnerowski (Department of Hydrobiology, Adam Mickiewicz University in Poznań - Poland)
1494	Ecological stoichiometry alterations in bloom-forming cyanobacteria at ambient and elevated carbon dioxide concentration and temperature	MICHAŁ RYBAK (Department of Water Protection, Adam Mickiewicz University in Poznan - Poland), Magdalena Woźniak (Department of Chemistry, Poznan University of Life Sciences - Poland), Oskar Kamiński (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Gabriela Belniak (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland), Marcin Krzysztof Dziuba (Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor - United States), Łukasz Wejnerowski (Department of Hydrobiology, Adam Mickiewicz University in Poznan - Poland)

1576	Shift of cyanobacterial community under nutrient reduction and climate change in Lake Taihu, a large eutrophic lake in China	GUANGWEI ZHU (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), Lijuan Kang (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), Hai Xu (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China)
1648	Relationships among microcystin concentrations, potentially producing species and environmental factors in Pampean shallow lakes	INES O'FARRELL (CONICET-Universidad de Buenos Aires - Argentina), Lilien Yema (CONICET-Universidad de Buenos Aires - Argentina), Carolina González (AYSA - Argentina), Fiorella Cociolo (CONICET-Universidad de Buenos Aires - Argentina), Romina Schiaffino (CITNOBA (UNNOBA-CONICET) - Argentina), Janet Santucho (INTECH (CONICET) - Argentina), Irina Izaguirre (CONICET-Universidad de Buenos Aires - Argentina)
1667	Blooms like it hot, but mussels don't: Influence of invasive quagga mussels on cyanobacteria during summer	JONAS MAUCH (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Maider Erize Gardoki (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Raphael Neiling (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Jan Köhler (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Sven Teurlinckx (Netherlands Institute of Ecology (NIOO) - Netherlands), Lillith Kramer (Netherlands Institute of Ecology (NIOO) - Netherlands), Mandy Velthuis (Radboud University Nijmegen - Netherlands), Naiara López-Rojo (French National Institute for Agriculture, Food, and Environment (INRAE) - France), Sabine Hilt (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany)
1686	In a world saturated with phosphorus, nitrogen rules: How does Microcystis produce massive blooms under nitrogen limitation?	LUIS AUBRIOT (Facultad de Ciencias - Uruguay), Lucila Gonzalez-Etchebehere (Facultad de Ciencias - Uruguay), Signe Haakonsson (Facultad de Ciencias - Uruguay), Hernán Olano (Facultad de Ciencias - Uruguay), Sol Colombo (Facultad de Ciencias - Uruguay), Sol De Giacomi (Facultad de Ciencias - Uruguay), Sylvia Bonilla (Facultad de Ciencias - Uruguay), Elena Galvanese (Facultad de Ciencias - Uruguay)
1692	Assessing the use of critical flow velocity thresholds for preventing persistent thermal stratification and suppressing cyanobacterial blooms	DONALD DAVIS (University of Technology, Sydney - Australia), Jordan Facey (University of Technology, Sydney - Australia), Andrew Brooks (NSW Department of Planning and Environment - Water - Australia), Doug Westhorpe (NSW Department of Planning and Environment - Water - Australia), Simon Mitrovic (University of Technology, Sydney - Australia)
1693	Restoring turbid shallow lakes to a clear-water state by biomanipulation combined with chemical treatments: a large-scale in-situ experiment in subtropical China	ZHENGWEN LIU (Nanjing Institute of Geography and Limnology - China)
1694	Large lake survey reveals that decreasing total phosphorus increases microcystin per phytoplankton biomass	CHARLOTTE SCHAMPERA (Technical University of Berlin - Germany), Thomas Niemyer (Technical University of Berlin - Germany), Ferdi Hellweger (Technical University of Berlin - Germany)
1696	Why do algal blooms intensify under reduced nitrogen and fluctuating phosphorus conditions: The underappreciated role of non-algal light attenuation	WEI Zou (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), Guangwei Zhu (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China)
1729	Resource stoichiometry interacts with fish ontogenetic stage to influence cyanobacteria in pelagic food webs.	JOSE ATTAYDE (UFRN - Natal - RN - Brasil), Danyhelton Dantas (UFRN - Natal - RN - Brasil), Jennifer Newell (Miami University - United States), Janderson Dias (UFRN - Natal - RN - Brasil), Renata Panosso (UFRN - Natal - RN - Brasil), Maria Gonzalez (Miami University - United States), Michael Vanni (Miami University - United States)
1775	Groundwater inputs: an overlooked but major contributor of phosphorus to lake ecosystems.	MARIA LISBOA (INIBIOMA-CONICET - Argentina), Rebecca L Schneider (Cornell University - United States), Lars G Rudstam (Cornell University - United States), Todd M Walter (Cornell University - United States)

SS14 - Lake restoration - controlling eutrophication

Code	Titles	Authors
1371	The eutrophic Lake Hålandsvatn, Norway – can it be saved?	AAGE MOLVERSMYR (NORCE Norwegian Research Centre - Norway), MARGIT REIERSEN (County Governor of Rogaland - Norway)
1380	Investigating the persistence of Fe-P in lake sediment under sulfidic conditions	HARM VAN KUPPEVELT (Leibniz Institute of Freshwater Ecology and Inland Fisheries - Germany), Ugo Marzocchi (Center for Water Technology (WATEC), Department of Biology, Aarhus University - Denmark), Michael Hupfer (Leibniz Institute of Freshwater Ecology and Inland Fisheries - Germany)
1406	ASSESSING THE EFFICACY OF THE "FLOCK & SINK" TECHNIQUE IN CYANOBACTERIA REMOVAL AND ITS IMPACT ON MICROCYSTIN CONGENERS: A MESOCOSM STUDY IN A DEEP TROPICAL RESERVOIR	RENAN ARRUDA (Rio de Janeiro State University - RJ - RJ - Brasil), Natália Pessoa Noyma (Rio de Janeiro State University - RJ - RJ - Brasil), Fernanda Rios Jacinavicius (University of São Paulo - SP - SP - Brasil), Davi Almeida Barreto (Federal University of Rio de Janeiro - RJ - RJ - Brasil), Marcella Coelho Berjante Mesquita (Rio de Janeiro State University - RJ - RJ - Brasil), Ana Carolina Coelho Prestes (Rio de Janeiro State University - RJ - RJ - Brasil), Erick Oliveira Dias (Rio de Janeiro State University - RJ - RJ - Brasil), Lúcia Helena Sampaio da Silva (Federal University of Rio de Janeiro - RJ - RJ - Brasil), Ernani Pinto (University of São Paulo - RJ - RJ - Brasil), Miquel Lüring (Wageningen University, Aquatic Ecology & Water Quality Management Group - Netherlands), Vera Lúcia de Moraes Huszar (Federal University of Rio de Janeiro - RJ - RJ - Brasil), Marcelo Manzi Marinho (Rio de Janeiro State University - RJ - RJ - Brasil)

1414	Multi-decadal evaluation of nutrient loads flowing into the Italian deep subalpine lakes through their main tributaries.	PAOLO DEZUANNI (UNIPV, CNR IRSA Verbania - Italy), Diego Copetti (CNR IRSA Brugherio - Italy), Claudia Dresti (CNR IRSA Verbania - Italy), Nicolò Pella (UNIPV, CNR IRSA Verbania - Italy), Michela Rogora (CNR IRSA Verbania - Italy), Fabio Buzzi (ARPA LOMBARDIA - Italy), Edoardo Cavallini (UNIPR - Italy), Daniele Nizzoli (UNIPR - Italy), Andrea Fenocchi (UNIPV, CNR IRSA Verbania - Italy)
1423	Evaluating the longevity of the coagulation and precipitation technique (Floc & Lock) in a shallow hypereutrophic system	ERICK DRUMMOND (UERJ - Rio de Janeiro - RJ - Brasil), Leonardo De Magalhães (UERJ - Rio de Janeiro - RJ - Brasil), Natália Pessoa Noyma (UERJ - Rio de Janeiro - RJ - Brasil), Ana Carolina Coelho Prestes (UERJ - Rio de Janeiro - RJ - Brasil), Marcela Coelho Berjante Mesquita (UERJ - Rio de Janeiro - RJ - Brasil), Renan Silva Arruda (UERJ - Rio de Janeiro - RJ - Brasil), Davi Almeida Barreto (UFRJ - Rio de Janeiro - RJ - Brasil), Vera Lúcia Moraes Huszar (UFRJ - Rio de Janeiro - RJ - Brasil), Lucia Helena Sampaio Silva (UFRJ - Rio de Janeiro - RJ - Brasil), Mike Lürling (WUR - Netherlands), Maira Mucci (WUR - Netherlands), Marcelo Manzi Marinho (UERJ - Rio de Janeiro - RJ - Brasil)
1424	CONTROLLING EUTROPHICATION AND CYANOBACTERIAL BLOOMS IN A HYPERTROPHIC COASTAL LAGOON	MARCELO MANZI MARINHO (University of Rio de Janeiro State - Rio de Janeiro - RJ - Brasil), Natália Noyma (UERJ - Rio de Janeiro - RJ - Brasil), Leonardo Magalhães (UERJ - Rio de Janeiro - RJ - Brasil), Marcella Mesquita (UERJ - Rio de Janeiro - RJ - Brasil), Renan Arruda (UERJ - Rio de Janeiro - RJ - Brasil), Ana Prestes (UERJ - Rio de Janeiro - RJ - Brasil), Indhyra Freire (UERJ - Rio de Janeiro - RJ - Brasil), Erick Drummond (UERJ - Rio de Janeiro - RJ - Brasil), Lúcia Silva (UERJ - Rio de Janeiro - RJ - Brasil), Vera Huszar (UFRJ - Rio de Janeiro - RJ - Brasil), Maira Mucci (WUR - Netherlands), Miquel Lürling (WUR - Netherlands)
1493	Optimization of filtration protocols in hypolimnetic withdrawal and treatment systems (HWTS)	FREDERICO ARAGAO (University of Helsinki - Finland), Leena Nurminen (University of Helsinki - Finland), Tom Jilbert (University of Helsinki - Finland)
1508	Phosphate and/or ammonium adsorption of different geo-engineering materials to control internal nutrient loads in lakes	YUXIN SHI (Wageningen University and Research - Netherlands), Maira Mucci (Wageningen University and Research - Netherlands), Miquel Lürling (Wageningen University and Research - Netherlands)
1552	Towards a Global Coalition for Sustainable Lake Management - an update from the World Water Quality Alliance	BRYAN SPEARS (UKCEH - United Kingdom), Konstantina Katsanou (IHE Delft - Netherlands), Laurence Carvalho (NIVA - Norway), Gary Free (JRC - Italy), Martyn Kelly (Bowbourn Consultancy - United Kingdom), Miquel Lürling (University of Wageningen - Netherlands), Amy Pickard (UK CEH - United Kingdom), Sandra Poikane (JRC - Italy), Nina Raasakka (UNEP - Kenya), Stuart Warner (UNEP - Ireland), Anham Salyani (UNEP - Kenya), Kenneth Irvine (IHE Delft - Netherlands)
1598	How efficient are pre-dams as reservoir guardians against eutrophication? A long-term study on nutrient retention	TAYNARA DE SOUZA FERNANDES (Helmholtz Center for Environmental Research - Germany), Tom Shatwell (Helmholtz Center for Environmental Research - Germany), Martin Schultze (Helmholtz Center for Environmental Research - Germany), Chenxi Mi (Department of Biological Sciences, University of Lethbridge - Canada), Maria Determann (Helmholtz Center for Environmental Research - Germany), Karsten Rinke (Helmholtz Center for Environmental Research - Germany)
1609	A radical dietary restriction: Can phosphate adsorbents used in lakes outcompete cyanobacteria and prevent their blooms?	JESSICA PAPER DE OLIVEIRA (Delft University of Technology / WETSUS - Netherlands), Thomas Prot (WETSUS - Netherlands), Leon Korving (WETSUS - Netherlands), Mark Van Loosdrecht (Delft University of Technology - Netherlands)
1614	Acute toxicity of compounds (coagulants, solid phase P-sorbent clays and hydrogen peroxide) used to mitigate cyanobacterial blooms on Chironomidae larvae	ANA CAROLINA COELHO PRESTES (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil), Beatriz da Silva ALVES (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil), Indhira Viana FREIRE (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil), Marcella Coelho Berjante MESQUITA (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil), Natália Pessoa NOYMA (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil), Vera Lucia Moraes HUSZAR (Rio de Janeiro Federal University - Rio de Janeiro - RJ - Brasil), Miquel LÜRLING (Wageningen University - Netherlands), Marcelo Manzi MARINHO (Rio de Janeiro State University - Rio de Janeiro - RJ - Brasil)
1642	Using sediment dredging as an effective approach of preventing algae-induced black blooms	QIUSHI SHEN (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), CHENG LIU (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), LEI ZHANG (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China), CHENGXIN FAN (Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences - China)
1647	MANAGING EUTROPHICATION, THE NEED FOR SYSTEM ANALYSIS AND COMBINED MEASURES	MIKE LURLING (Wageningen University - Netherlands)
1655	Understanding the effects of different climate change and mitigation strategies on the water quality of our lakes - how will decisions made today affect their future?	L MAY (UKCEH - United Kingdom), Miriam Glendell (James Hutton Institute - United Kingdom), Kerr Adams (James Hutton Institute - United Kingdom), Zisis Gagkas (James Hutton Institute - United Kingdom), Lily Goldsborough (UKCEH - United Kingdom), Iain Gunn (UKCEH - United Kingdom), Erica Zaja (UKCEH - United Kingdom), Michaela Roberts (James Hutton Institute - United Kingdom), Bryan Spears (UKCEH - United Kingdom), Philip Taylor (UKCEH - United Kingdom), Stephen Thackeray (UKCEH - United Kingdom), Mads Trolldborg (James Hutton Institute - United Kingdom)
1827	Managing eutrophication through chemical inactivation of phosphate- an overview of materials commercially available	MAIRA MUCCI (Wageningen University - Netherlands), Yuxin Shi (Wageningen University - Netherlands), Miquel Lürling (Wageningen University - Netherlands)

1881	Effect of the floc and lock technique on the autotrophic and heterotrophic picoplankton in a hypertrophic coastal lagoon.	FABIO JUNIOR (NATIONAL MUSEUM - UFRJ - RIO DE JANEIRO - RJ - Brasil), INDIRA VIANA FREIRE (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), NATALIA PESSOA NOYMA (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), LUCIA HELENA SAMPAIO SILVA (NATIONAL MUSEUM - UFRJ - RIO DE JANEIRO - RJ - Brasil), CAIO GRACO ROZA (University of Helsinki - Finland), LEONARDO DE MAGALHÃES (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), VIVIAN LEITE (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), GLEYCI MOSER (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), MIQUEL LÜRLING (Wageningen University - Netherlands), MARCELO MANZI MARINHO (University of Rio de Janeiro State (UERJ) - RIO DE JANEIRO - RJ - Brasil), VERA LUCIA MORAES HUSZAR (NATIONAL MUSEUM - UFRJ - RIO DE JANEIRO - RJ - Brasil)
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SS15 - Ecosystem structure and function along the saline continuum: from freshwaters to hypersaline inland waters

Code	Titles	Authors
971	The effect of salinity on the structure, functions and flows of matter in food webs in lake ecosystems	EGOR ZADEREEV (Krasnoyarsk Research Center - Russia), Alexander Tolomeev (Krasnoyarsk Research Center - Russia), Anton Drobotov (Krasnoyarsk Research Center - Russia), Tatiana Lopatina (Krasnoyarsk Research Center - Russia), Natalia Oskina (Khakassky State Nature Reserve - Russia)
1509	River restoration requires environmental flows to estuaries	JUSTIN BROOKES (The University of Adelaide - Australia), Matthew Hipsey (University of Western Australia - Australia), Peisheng Huang (University of Western Australia - Australia), Sherry Zhai (University of Western Australia - Australia), Matthew Gibbs (CSIRO - Australia)
1625	Climate change, variations in salinity, and its impacts on microzooplankton; a mesocosm experiment	FERNANDO ANTONIO RAO (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), ARMANDO MARTÍN RENNELLA (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), ALEJANDRO LOPEZ (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), AMANCAY MAMANI (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), LAURA ANDREA BASTIA (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), MARÍA BELÉN DE LA VEGA (Facultad de Agronomía - Universidad de Buenos Aires - Argentina), MARÍA BOVERI (Facultad de Agronomía - Universidad de Buenos Aires - Argentina)
1660	Investigating the Impacts of Salinization and Climate Change on Turkish Lakes: Space-for-Time-Substitute Sampling and Synchronized Mesocosm Experiments	Meryem Beklioğlu (Middle East Technical University - Türkiye), CIHELIO ALVES AMORIM (Middle East Technical University - Türkiye), Mustafa Korkmaz (Middle East Technical University - Türkiye), Gültekin Yılmaz (Middle East Technical University - Türkiye), Meltem Koru (Middle East Technical University: Orta Dogu - Türkiye), Tolga Coşkun (Middle East Technical University - Türkiye), İrem Gamze Arık (Middle East Technical University - Türkiye), İbrahim Kaan Özgencil (Middle East Technical University - Türkiye), Can Özen (Middle East Technical University - Türkiye), Zuhail Akyürek (Middle East Technical University - Türkiye), Korhan Özkan (Middle East Technical University - Türkiye), Erik Jeppesen (Aarhus University, Denmark; Middle East Technical University, Türkiye; Yunnan University, China - Denmark)
1713	Comparative assessment of phytoplankton and macroinvertebrates from freshwater and saline lakes in South Africa.	MUSA MLAMBO (Albany Museum - South Africa), Esethu Nkibi (Rhodes University - South Africa), Sam Motitsoe (Wits University - South Africa)
1871	Environmental assessment and socio-economic aspects in two estuarine systems under macro and micro tides influence	ELISABETE S. BRAGA (Instituto Oceanográfico da Universidade de São Paulo - São Paulo - SP - Brasil), Samara A Eschrique (Universidade Federal do Maranhão - São Luis - MA - Brasil), Juliana S Azevedo (Universidade Federal de São Paulo - Diadema - Diadema - SP - Brasil), Paula C.A. Silveira (Universidade Federal do Maranhão - São Luis - MA - Brasil), Náila Arraes Araújo (Universidade Federal do Maranhão - São Luis - MA - Brasil), Rosângela C Costa (Universidade Federal de São Paulo-Diadema - Diadema - SP - Brasil), Vitor G Chiozzini (Instituto Oceanográfico da Universidade de São Paulo - São Paulo - SP - Brasil), Suzieth M Melo (Universidade Federal do Maranhão - São Luis - MA - Brasil)
1880	Biodiversity of the Aral Sea remnant lakes - response to environmental challenges	NATALIE BARTENEVA (Nazarbayev University - Kazakhstan), Dmitry Malashenkov (Nazarbayev University - Kazakhstan), Polina Len (Nazarbayev University - Kazakhstan), Ayagoz Meirkhanova (Nazarbayev University - Kazakhstan), Aiyim Duisen (Nazarbayev University - Kazakhstan), Aidyn Abilkas (Nazarbayev University - Kazakhstan), Kanat Samarkhanov (Nazarbayev University - Kazakhstan), Ivan Vorobjev (Nazarbayev Universituy - Kazakhstan), Lajos Voros (Hungarian Academy of Sciences - Hungary)
1887	The effect of salinization on early life stage of Eurasian perch (<i>Perca fluviatilis</i>)	PAVEL MIKHEEV (Perm State University - Russia), Karina Yakubova (Perm State University - Russia), Mikhail Baklanov (Perm State University - Russia)

SS16 - Challenges of Aquatic Biodiversity and Conservation Strategies in Mined Environments: Exploring Impacts and Pathways to Recovery

Code	Titles	Authors
1359	Stable isotopes as a tool for understanding the impact of the rupture of an ore tailings dam on fish assemblages	PAULO POMPEU (UFLA - Lavras - MG - Brasil), Débora Reis Carvalho (Lancaster University - Great Britain (United Kingdom)), Daniel Resende Silva (UFLA - Lavras - MG - Brasil), Larissa Calais Paiva (UFLA - Lavras - MG - Brasil)

1813	HOW ARE FISH RECOLONIZING THE DOCE RIVER AFTER ONE OF THE BIGGEST MINNING DISASTERS IN HISTORY?	GILBERTO SALVADOR (UFMG - BELO HORIZONTE - MG - Brasil), Carlos Alberto Rodrigues Filho (UFMG - BELO HORIZONTE - MG - Brasil), Carlos Bernardo Mascarenhas Alves (UFMG - BELO HORIZONTE - MG - Brasil), Carlos Speber (UFV - Viçosa - MG - Brasil), Frederico Fernandes Ferreira (UFV - Viçosa - MG - Brasil), Dennys H. C. Drager (UFMG - BELO HORIZONTE - MG - Brasil), Gabriel Lourenço Bregião (UNESP - Rio Claro - SP - Brasil), Tiago Casarim Pessali (UFMG - BELO HORIZONTE - MG - Brasil), Tobias Antonio Barroso (Museu de Ciências Naturais PUC MG - BELO HORIZONTE - MG - Brasil), Renata Guimarães Frederico (UFMG - BELO HORIZONTE - MG - Brasil), Rafael Pereira Leitão (UFMG - BELO HORIZONTE - MG - Brasil)
1831	Spatio-temporal dynamics of benthic macroinvertebrate communities in remnant and fragmented tributaries following the Brumadinho dam break	DIEGO CASTRO (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Laura Gagliardi (Amplio Engenharia - Belo Horizonte - MG - Brasil), Lorenzo Guimarães (Amplio Engenharia - Belo Horizonte - MG - Brasil), Isabela Rocha (Amplio Engenharia - Belo Horizonte - MG - Brasil), Gabriel Felix (Amplio Engenharia - Belo Horizonte - MG - Brasil), Mariana Moura (Amplio Engenharia - Belo Horizonte - MG - Brasil), Ricardo Solar (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Tiago Dornas (Amplio Engenharia - Belo Horizonte - MG - Brasil), Camila Mendes (Amplio Engenharia - Belo Horizonte - MG - Brasil), Fábio Vieira (Amplio Engenharia - Belo Horizonte - MG - Brasil), Frederico Salles (Universidade Federal de Viçosa - Belo Horizonte - MG - Brasil), Henrique Paprocki (PUC-MG - Belo Horizonte - MG - Brasil)

SS17 - Contributions from the Brazil-LTER /PELD and REC-Rio Doce projects to the restoration of the Rio Doce basin, Southeast Brazil: A Legacy

Code	Titles	Authors
1717	Resilience or Ruin? Reconstructing the water quality time series of a tropical river impacted by mine tailings dam failure.	ANELISE GARCIA (Federal University of Minas Gerais - Belo Horizonte - MG - Brasil), DIEGO PUJONI (Federal University of Minas Gerais - BELO HORIZONTE - MG - Brasil), JOSÉ BEZERRA-NETO (Federal University of Minas Gerais - BELO HORIZONTE - MG - Brasil)
1728	Dynamic responses of a tropical lake metabolic rates to prolonged drought	Elisa Aguiar Porto Viana (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), LUDMILA SILVA BRIGHENTI (Universidade do Estado de Minas Gerais - Divinópolis - MG - Brasil), Diego Guimarães Florencio Pujoni (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Francisco Antônio Rodrigues Barbosa (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), José Fernandes Bezerra-Neto (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil)
1784	Contributions from the Brazil-LTER/PELD and REC-Rio Doce projects to the restoration of the Rio Doce basin, Southeast Brazil: A Legacy	FRANCISCO BARBOSA (UFMG - Belo Horizonte - MG - Brasil), Diego Rodrigues Pujoni (The Federal University of Minas Gerais - Belo Horizonte - MG - Brasil)
1793	Regeneration or collapse? Findings from the REC-Rio Doce Project on the Fundão dam collapse.	DIEGO PUJONI (UFMG - Belo Horizonte - MG - Brasil), Francisco Antônio Rodrigues Barbosa (UFMG - Belo Horizonte - MG - Brasil)

SS18 - Aquatic metacommunities: diversity patterns, assembly processes, spatial scales, and network connectivity

Code	Titles	Authors
1314	Sediment bacterial assemblages in temporary rivers networks are influenced by hydrological variability and habitat heterogeneity	ANNA FREIXA (Catalan Institute of Water Research (ICRA) - Spain), JUAN DAVID GONZALEZ TRUJILLO (Universidad Nacional de Colombia - Colombia)
1362	Land-use and flow intermittence influence biodiversity-stability relationships across spatial scales: implications for an uncertain future	ANDROS GIANUCA (UFRN - Natal - RN - Brasil), Victor R. di Cavalcanti (UFRN - Natal - RN - Brasil), Leonardo Cruz (ufrn - Natal - RN - Brasil), Mathieu Floury (University of Paris-Saclay - France), Julie Crabot (Institute of Environmental Assessment and Water Research (IDAEA – CSIC), Barcelona, Spain - Spain), Laurent Valette (INRAE - France), Jeremy Piffady (INRAE - France), Thibault Datry (INRAE - France)
1390	Untangling the complex food webs of tropical rainforest streams	VICTOR SATORU SAITO (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Pavel Kratina (Queen Mary University of London - United Kingdom), Gedimar Barbosa (Universidade Estadual Paulista - Rio Claro - SP - Brasil), Fabio Cop Ferreira (Universidade Federal de São Paulo - Santos - SP - Brasil), Jean Barbosa Leal (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Gabriela Zemelka (University of Hertfordshire - United Kingdom), Hugo Sarmento (Universidade Federal de São Carlos - São Carlos - SP - Brasil), Daniel Michael Perkins (University of Roehampton - United Kingdom)
1431	Network position influences temporal β -diversity in California, USA river networks	Ryan Conway (University of California, Riverside - United States), KURT ANDERSON (University of California, Riverside - United States), Bryan Brown (Virginia Tech University - United States), Eric Sokol (NSF NEON - United States), Chris Swan (University of Maryland, Baltimore County - United States)
1537	The flood pulse is key to shape aquatic richness patterns in extreme climatic events and over spatial scales	LAURA ANDREA ORTEGA CORREDOR (Universidade Estadual de Maringá - Maringá - PR - Brasil), Alfonso Pineda (Universidade Estadual de Maringá - Maringá - PR - Brasil), Claudia Bonecker (Universidade Estadual de Maringá - Maringá - PR - Brasil), Angelo Agostinho (Universidade Estadual de Maringá - Maringá - PR - Brasil), Luzia Rodrigues (Universidade Estadual de Maringá - Maringá - PR - Brasil)

1564	Understanding how biodiversity contributes to stability of stream fish metacommunities: Investigating multi-scale patterns at a continental extent over the past 30 years	KYLE BRUMM (Michigan State University - United States), Mariah Meek (Michigan State University - United States), Patricia Soranno (Michigan State University - United States), Elise Zipkin (Michigan State University - United States), Dana Infante (Michigan State University - United States)
1608	Assessing the role of the hydrographic network structure and connectivity on the South American freshwater fish diversity	THOMAS TOMICZEK (The Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Sami Domisch (The Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Jaime Ricardo Garcia Marquez (The Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany)
1649	A metacommunity framework to anticipate the combined effects of drying and pollution on temporary rivers	ZEYNEP ERSOY (Universitat de Barcelona - Spain), David Cunillera-Montcusí (Institute of Aquatic Ecology, Centre for Ecological Research - Hungary), Martí Piñero-Fernández (Universitat de Barcelona - Spain), Núria Cid (IRTA Marine and Continental Waters Programme - Spain), Miguel Cañedo-Argüelles (Institute of Environmental Assessment and Water Research (IDAEA, CSIC) - Spain), Núria Bonada (Universitat de Barcelona - Spain)
1799	Temperature impacts size structure of stream insect communities across the Americas	FRANCISCO VALENTE NETO (UNICAMP - Campinas - SP - Brasil), Victor S SAITO (UFSCar - São Carlos - SP - Brasil), Acácio de Sá Santos (UESC - Ilhéus - BA - Brasil), Juan M Rivera-Pérez (UFPA - Belém - PA - Brasil), Justin P. F. Pomeranz (Colorado Mesa University - United States), Leandro Juen (UFPA - Belém - PA - Brasil), Marciel E Rodrigues (UESB - Vitória da Conquista - BA - Brasil), Marcos Callisto (UFMG - Belo Horizonte - MG - Brasil), Marden S Linares (UFMG - Belo Horizonte - MG - Brasil), Gustavo Q Romero (UNICAMP - Campinas - SP - Brasil)
1834	The relationship between rarity and functional uniqueness of aquatic insects depends on the vegetation cover and latitude	DANIELLE KATHARINE PETSCH (Universidade Estadual Paulista - Assis - SP - Brasil), Barbbara Silva Rocha (INRAE - Aix Marseille Université - France), Fernando Miranda Lansac-Tôha (Universidade Estadual de Maringá - Maringá - PR - Brasil), Kimmo Tolonen (Finnish Environment Institute (Syke) - Finland), Jani Heino (University of Oulu - Finland), Tadeu Siqueira (University of Canterbury - New Zealand), Adriano Sanches Melo (Universidade Federal do Rio Grande do Sul - Porto Alegre - RS - Brasil)

SS19 - The relevance of ponds ecosystems for the biodiversity and society in the context of global changes

Code	Titles	Authors
1246	Do we need another science to conserve ponds?	THOMAS MEHNER (Leibniz Institute of Freshwater Ecology and Inland Fisheries - Germany)
1384	MyPond: A citizen science project to explore the hidden biodiversity of urban public and garden ponds	BARBARA BARTA (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research; Doctoral School of Biology, ELTE Eötvös Loránd University - Hungary), Zsuzsanna Márton (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research - Hungary), Andrew J Hamer (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research - Hungary), Irene Tornero (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research; GRECO, Institute of Aquatic Ecology, University of Girona - Spain), Csaba F Vad (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research - Hungary), Beáta Szabó (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research - Hungary), Péter Dobosy (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research - Hungary), Thu Huong Huynh Ngoc (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research; Doctoral School of Biology, ELTE Eötvös Loránd University - Hungary), Bence Buttyán (ELTE Eötvös Loránd University - Hungary), Csilla Laskai (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research - Hungary), Ádám Fierpasz (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research; Doctoral School of Biology, ELTE Eötvös Loránd University - Hungary), Zsófia Horváth (Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research; National Multidisciplinary Laboratory for Climate Change, HUN-REN Centre for Ecological Research; ELTE Eötvös Loránd University - Hungary)

1520	Zooplankton communities of subtropical ponds under different land-use intensities	<p>GISELL LACEROT (Departamento Interdisciplinario de Sistemas Costeros y Marinos. Centro Universitario Regional del Este. Universidad de la República. - Uruguay), Carmela Carballo (Sección Limnología, Instituto de Ecología y Ciencias Ambientales, Facultad de Ciencias, Universidad de la República - Uruguay), Clementina Calvo (Department of Biology, Texas State University, US/Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Maite Colina (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Florencia Cuassolo (CONICET-Universidad Nacional del Comahue - Argentina), Julieta Cuevas (Sección Limnología, Instituto de Ecología y Ciencias Ambientales, Facultad de Ciencias, Universidad de la República - Uruguay), Leandro Gallo (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Emilia Heber (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Constanza Passadore (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Franco Teixeira de Mello (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República - Uruguay), Mariana Meerhoff (Department of Ecoscience, Aarhus University, Dinamarca/Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República. - Uruguay)</p>
1536	New opportunities in the 21th century for creating ponds and pondscales	<p>BEAT OERTLI (University of Applied Sciences and Arts Western Switzerland - Switzerland), Aurélie Boissezon (University of Applied Sciences and Arts Western Switzerland - Switzerland), Eliane Demierre (University of Applied Sciences and Arts Western Switzerland - Switzerland), Julie Fahy (University of Applied Sciences and Arts Western Switzerland - Switzerland), Jules Hornung (University of Applied Sciences and Arts Western Switzerland - Switzerland), Adrienne Sordet (University of Applied Sciences and Arts Western Switzerland - Switzerland)</p>
1610	Ponds and pondscales as Nature-based Solutions (NbS) for adaptation to climate change: 10 evidence-based success stories.	<p>AURELIE BOISSEZON (HES-SO - Switzerland), Meryem Beklioğlu (METU - Türkiye), Jeremy Biggs (FHT - United Kingdom), Malgozata Blicharska (Uppsala Universitet - Sweden), Sandra Brucet (UVic - Spain), Thomas Davidson (Aarhus University - Denmark), Manuel Lago (ECOLOGIC - Germany), Pieter Lemmens (KUL - Belgium), Mariana Meerhoff (UDELAR - Uruguay), Thomas Mehner (IGB - Germany), Joël Robin (ISARA - France), Beat Oertli (HES-SO - Switzerland)</p>
1652	Understanding the Effect of Environmental Similarity, Environmental Filtering and Dispersal on Functional Trait Diversity of Zooplankton Communities in a Pond Metacommunity	<p>FERIDE AVCI (Department of Biological Sciences, Middle East Technical University - Türkiye), Hilal Kiran (Department of Biological Sciences, Middle East Technical University - Türkiye), Gizem Oğuz (Department of Biological Sciences, Middle East Technical University - Türkiye), Sarah S Hasnain (Department of Biological Sciences, Middle East Technical University - Türkiye), Meryem Beklioğlu (EKOSAM Ecosystem Research and Implementation Center, Middle East Technical University - Türkiye)</p>
1710	Do elements of the landscape affect tadpole secondary production? Results from an experimental pond system	<p>JOAO SOUZA (State University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Vinicius Neres-Lima (State University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Beatriz Moreira-Ferreira (State University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Cecília Lopes (State University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Eugenia Zandonà (State University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil)</p>
1730	Unraveling the Key Drivers of Biodiversity and Ecosystem Functioning in Temporary Ponds along a European Latitudinal Gradient	<p>CAROLINA TROCHINE (Department of Ecology, INIBIOMA CONICET-Universidad Nacional del Comahue - Argentina), Victoria Frutos Aragón (Aquatic Ecology Group, Universitat de Vic – Universitat Central de Catalunya - Spain), María Cuenca Cambroner (Aquatic Ecology Group, Universitat de Vic – Universitat Central de Catalunya - Spain), Tuba Bucak (Department of Ecoscience, Aarhus University - Denmark), Eti Levi (Department of Ecoscience, Aarhus University - Denmark), Thomas Alexander Davidson (Department of Ecoscience, Aarhus University - Denmark), Louisa-Marie von Plüskow (Leibniz Institute für Gewässerökologie und Binnenfischerei (IGB) - Germany), Robby Wijns (Laboratory of Aquatic Ecology, Evolution and Conservation, KU Leuven - Belgium), Julie Fahy (HES-SO, University of Applied Sciences and Arts of Western Switzerland - Switzerland), Feride Avci (Department of Biological Sciences, Middle East Technical University - Türkiye), Helen Greaves (Environmental Change Research Centre (ECRC) - United Kingdom), Pieter Lemmens (Laboratory of Aquatic Ecology, Evolution and Conservation, KU Leuven - Belgium), Sandra Brucet (Aquatic Ecology Group, Universitat de Vic – Universitat Central de Catalunya - Spain)</p>
1742	Potential drivers of macrophytes stoichiometry in ponds across a nutrient gradient and climate regions	<p>FLORENCIA CUASSOLO (CONICET-INIBIOMA-Universidad Nacional del Comahue, Bariloche, Argentina. - Argentina), Clementina Calvo (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay./Department of Biology, Texas State University, San Marcos, US - Uruguay), Maite Colina (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay), Leandro Gallo (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay), Emilia Heber (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay), Constanza Passadore (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay), Franco Teixeira-Mello (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay), Thomas Davidson (Department of Ecoscience, Aarhus University, Aarhus, Denmark - Denmark), Eti Levi (Department of Ecoscience, Aarhus University, Aarhus, Denmark - Denmark), Pieter Lemmens (Laboratory of Aquatic Ecology, Evolution and Conservation, KU Leuven, Belgium/9. Leibniz Institute für Gewässerökologie und Binnenfischerei (IGB), Berlin, Germany - Germany), Helen Greaves (Biology Department, University College London, United Kingdom - United Kingdom), Sandra Brucet (Aquatic Ecology Group, Universitat de Vic –Universitat Central de Catalunya, España - Spain), Carolina Trochine (Aquatic Ecology Group, Universitat de Vic –Universitat Central de Catalunya, España - Spain), Mariana Meerhoff (Departamento de Ecología y Gestión Ambiental, Centro Universitario Regional del Este, Universidad de la República, Maldonado, Uruguay. - Uruguay)</p>

1747	Unraveling Seasonal Dynamics and Functional Genomics of a Planktonic Cryptomycota	YVONNE BOSCHE (Chair of Urban Water Systems Engineering, Technical University of Munich - Germany), Hans-Peter Grossart (Department of Experimental Limnology, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin - Germany), Jason Woodhouse (Department of Experimental Limnology, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin - Germany), Mariana Kluge (Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala - Sweden), Federico Baltar (Fungal and Biogeochemical Oceanography, Department of Functional & Evolutionary Ecology, University of Vienna - Austria), Kira Fischer (Fungal and Biogeochemical Oceanography, Department of Functional & Evolutionary Ecology, University of Vienna - Austria), Eva Breyer (Fungal and Biogeochemical Oceanography, Department of Functional & Evolutionary Ecology, University of Vienna - Austria), Christian Wurzbacher (Chair of Urban Water Systems Engineering, Technical University of Munich - Germany)
1759	The aquatic fungal contribution to the carbon cycle from thermokarst ponds in the Arctic	MARIANA KLUGE (Swedish University of Agricultural Sciences - Sweden), Christian Wurzbacher (Technical University of Munich - Germany), Domenico Simone (Swedish University of Agricultural Sciences - Sweden), Karina Clemmensen (Swedish University of Agricultural Sciences - Sweden), Jan Stenlid (Swedish University of Agricultural Sciences - Sweden), Sarahi Garcia (Universitat Oldenburg - Germany), Stefan Bertilsson (Swedish University of Agricultural Sciences - Sweden), Sari Kluge (Swedish Nuclear Fuel and Waste Management Company - Sweden)
1833	An experimental ponds approach to evaluate the role of isolated tree in maintaining aquatic invertebrate community structure in a fragmented area	MARIA EDUARDA ROCHA XIMENES (Universidade do Estado do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), João Luiz de Caires Souza (Universidade do Estado do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Eugenia Zandonà (Universidade do Estado do Rio de Janeiro - Rio de Janeiro - RJ - Brasil)
1837	REVITALIZING RIPARIAN FOREST: EXPLORING THE INFLUENCE OF LEAF BIODIVERSITY ON THE FUNCTIONALITY OF AQUATIC ECOSYSTEMS FROM A MICROSCOPIC PERSPECTIVE	HANNA TURETTI CARDINOT (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Karen Kneippe Knapfner (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Mariana de Andrade Faustino (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Ana Luiza Rangel Linhares Lima (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Pedro Luiz Sanglard Silva (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Yumi Okumura Moliné (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Lara Bonsanto Olivato (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Pedro Amarilho Almeida Macedo (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Dionéia Evangelista Cesar (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil), Leonardo H Texeira (Vrije Universiteit Brussel Pleinlaan - Belgium), Andre Megali Amado (Universidade Federal de Juiz de Fora - Juiz de Fora - MG - Brasil)
1846	Relationship between ecosystems functions and biodiversity and anthropogenic activities on natural ponds ecosystems	MARIA-CUENCA CAMBRONERO (University of Vic - Spain), Beat Oerli (HEPIA, HES-SO - Switzerland), Helen M Greaves (University College London - United Kingdom), Carl Sayer (University College London - United Kingdom), Luc De Meester (IGB and KU Leuven - Germany), Mariana Meerhoff (Universidad de la República - Uruguay), Meryeem Bekioglu (METU - Türkiye), Pieter Lemmens (KU Leuven - Belgium), Thomas Mehner (IGB - Germany), Thomas A Davidson (University of Aarhus - Denmark), Sandra Bruce (University of Vic - Spain)
1868	Biodiversity in artificial rural ponds is largely explained by land use intensity	MEERHOFF MARIANA (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Maite Colina (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Andrés Canavero (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Carmela Carballo (Facultad de Ciencias, Universidad de la República - Uruguay), Florencia Cuassolo (CONICET-Universidad Nacional del Comahue, Bariloche, Argentina - Argentina), Emilia Heber (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Gissell Lacerot (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Geovani Arnhold Moresco (Universidad Estadual de Maringá - Maringá - PA - Brasil), Lucia Rodriguez-Tricot (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Lucia Sosa-Panzer (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Constanza Passadore (Centro Universitario Regional del Este, Universidad de la República - Uruguay), Franco Teixeira-de Mello (Centro Universitario Regional del Este, Universidad de la República - Uruguay)

SS20 - The phytothelmata as aquatic ecosystems

Code	Titles	Authors
1228	Microplastics alter the leaf litter breakdown rates and the decomposer community in subtropical lentic microhabitats.	WILLIAM GABRIEL BORGES (UNOCHAPECÓ - Chapeco - SC - Brasil), EMANUEL RAMPANELLI CARARO (UNOCHAPECÓ - Chapeco - SC - Brasil), RAQUEL BRITTO (UNOCHAPECÓ - Chapeco - SC - Brasil), AMANDA NINOV PAZINI (UNOCHAPECÓ - Chapeco - SC - Brasil), CÁSSIA ALVES LIMA-REZENDE (UNOCHAPECÓ - Chapeco - SC - Brasil), RENAN SOUZA REZENDE (UNOCHAPECÓ - Chapeco - SC - Brasil)
1566	Microcrustaceans in phytothelmata of <i>Nidularium innocenti</i> Lem. (Bromeliaceae) from the Atlantic Forest, Paraná, Brazil	Danilo Rezende Lopes Filho (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil), JONATHAN ROSA (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil), Tatiane Mantovano (State University of the North of Paraná - UENP - Jacarézinho - PR - Brasil), Vitor Gois Ferreira (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil), Gilmar Perbiche Neves (Federal University of São Carlos - UFScar - São Carlos - SP - Brasil), Janet Higuti (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil), Fábio Amodêo Lansac-Tôha (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil)

1584	Climate projections and phytothelmata: ostracod-bromeliad interactions in the Atlantic Forest	Eliezer Oliveira Conceição (State University of the North of Paraná - Jacarezinho - PR - Brasil), JANET HIGUTI (State University of Maringá/Nupélia/PEA - MARINGÁ - PR - Brasil), Tatiane Mantovano (State University of the North of Paraná - Jacarezinho - PR - Brasil), Julia Silva Pereira (University of Brasília, Institute of Geosciences - Brasília - DF - Brasil), Edivando Vítor Couto (Federal University of Technology – Paraná - Campo Mourão - PR - Brasil), José Hilário Delconte Ferreira (Federal University of Technology – Paraná - Campo Mourão - PR - Brasil), Thiago Fernando Rangel (Federal University of Goiás - Goiânia - GO - Brasil), Ricardo Lourenço Pinto (University of Brasília, Institute of Geosciences - Brasília - DF - Brasil), Koen Martens (Royal Belgian Institute of Natural Sciences - Belgium), Dayani Bailly (State University of Maringá/Nupélia/PEA - Maringá - PR - Brasil)
1606	A new species of the genus Elpidium (Crustacea, Ostracoda) from phytotelmata in northeast Argentina	ANALIA DIAZ (ILPLA - Argentina), Koen Martens (Royal Belgian Institute of Natural Science - Belgium)
1643	Ostracod (Crustacea) species introductions into New Caledonia along with ornamental bromeliads : an example of Noah's Ark principle in invasive biology.	Julia S. Pereira (Universidade de Brasília, Instituto de Geociências - Brasília - DF - Brasil), KOEN MARTENS (Royal Belgian Institute of Natural Sciences - Belgium), Janet Higuti (State University of Maringá (UEM), - Maringá - PA - Brasil), Ricardo Lourenço Pinto (Universidade de Brasília, Instituto de Geociências - Brasília - DF - Brasil)
1783	Resource availability and local environmental conditions buffers the impacts of rainfall changes on aquatic beta diversity	Pablo Augusto P. Antikeira (Universidade Estadual de Campinas - Campinas - SP - Brasil), LUIZ VELHO (Universidade Estadual de Maringá - Maringá - PR - Brasil), Diane S. Srivastava (University of British Columbia - Canada), Luzia Cleide Cleide Rodrigues (Universidade Estadual de Maringá - Maringá - PR - Brasil), Vinícius F Farjalla (Universidade Federal do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Valeria M de Oliveira (Universidade Estadual de Campinas - Campinas - SP - Brasil), Gustavo Cauê Piccoli (Universidade Estadual de Campinas - Campinas - SP - Brasil), Adriano L. Mendonça (Universidade Estadual de Campinas - Campinas - SP - Brasil), Paula Munhoz Omena (Universidade Vila Velha (UVV) - Vila Velha - ES - Brasil), Viviane Piccin dos Santos (Universidade Estadual de Campinas - Campinas - SP - Brasil), Gustavo Quevedo Romero (Universidade Estadual de Campinas - Campinas - SP - Brasil)

SS21 - Ecology and conservation of temporary aquatic ecosystems

Code	Titles	Authors
1332	Key habitats for maintaining regional aquatic insect biodiversity in mountainous wetland complexes in South America	MATEUS PIRES (Universidade do Vale do Taquari - UNIVATES - Lajeado - RS - Brasil), Cristina Stenert (FURG - Rio Grande - RS - Brasil), Leonardo Maltchik (FURG - Rio Grande - RS - Brasil), Luis Epele (UNPSJB - Argentina), Patricia Garcia (Universidad Nacional del Comahue - Argentina), Darold Batzer (University of Georgia - United States)
1450	Unravelling the contributions of large branchiopods to ecosystem services in temporary ponds.	MARINA TOMAS MARTIN (Inland Water Ecosystem Team, Departamento de Ecología, Universidad Autónoma de Madrid - Spain), Carmen Díaz-Paniagua (Estación Biológica de Doñana CSIC - Spain), Bram Vanschoenwinkel (Community Ecology Lab, Vrije Universiteit Brussel - Belgium), Margarita Florencio (Inland Water Ecosystem Team, Departamento de Ecología, Universidad Autónoma de Madrid - Spain)
1470	Determinants of Chihuahuan Desert Rock Pool Community Assemblages	ELIZABETH WALSH (University of Texas at El Paso - United States), Joseph L. McDaniel (University of Texas at El Paso - United States)
1513	The importance of conservation of temporary habitats as sources of species diversification: Examples from Rotifera	ELIZABETH WALSH (University of Texas at El Paso - United States), Aaron J. Robbins (University of Texas at El Paso - United States), Michel Rojo (University of Texas at El Paso - United States), Tristan Chavez-Poeschel (University of Texas at El Paso - United States)
1737	Temporal and spatial variations drive the phytoplankton communities in rock pools in a semi-arid region	LUCIANA BARBOSA (Federal University of Paraíba - Areia - PB - Brasil), Mihir Kulkarni (Indian Institute for Human Settlements - India), Énio Woclyli Dantas (State University of Paraíba - areia - PB - Brasil), Danielle Lima de Oliveira (Federal University of Paraíba - areia - PB - Brasil), Fátima dos Santos Silva (Federal University of Paraíba - areia - PB - Brasil), Jascieli Carla Bortolini (Federal University of Goiás - Goiânia - GO - Brasil)
1776	Flow intermittency affects macroinvertebrate communities in glaciated alpine catchments.	PIERRE CHANUT (Eawag - Switzerland), Thibault Datry (Inrae - France), Manuel Antonetti (ZHAW - Switzerland), Isabelle Gounand (CNRS - France), Michael Doering (ZHAW - Switzerland), Christopher Robinson (Eawag - Switzerland)
1832	Zooplankton diversity and environmental drivers in a tropical metacommunity of temporary ponds	XAVIER ARMENGOL DIAZ (University of Valencia/ICBIBE - Spain), ÁNGEL GÁLVEZ (University of Valencia/ICBIBE - Spain), ANDREU CASTILLO-ESCRIVÀ (University of Valencia/ICBIBE - Spain), FRANCESC MESQUITA (University of Valencia/ICBIBE - Spain)
1841	Arctic tadpole shrimp versus birds: <i>Lepidurus arcticus</i> regulates functioning of tundra pools threatened by guano eutrophication	BARTŁOMIEJ GOLDYŃ (AMU in Poznań - Poland), Daniel Fajfer (AMU in Poznań - Poland), Michał Rybak (AMU in Poznań - Poland), Łukasz Kaczmarek (AMU in Poznań - Poland), Piotr Klimaszuk (AMU in Poznań - Poland)

SS22 - Challenges and opportunities for implementation of the global freshwater biomonitoring agenda

Code	Titles	Authors
1342	Global Challenges and Opportunities: Harmonizing Freshwater Biodiversity Monitoring and Bioassessment with a Focus on Benthic Macroinvertebrates	JOHN SIMAIKA (IHE Delft Institute for Water Education - Netherlands), James Stribling (Tetra Tech Inc. - United States), Jennifer Lento (University of New Brunswick - Canada), Andreas Bruder (University of Applied Sciences and Arts of Southern Switzerland - Switzerland), Sandra Poikane (Joint Research Centre - Italy), Marcelo Moretti (University of Vila Velha - Velha - ES - Brasil), Nick Rivers-Moore (University of KwaZulu-Natal - South Africa), Kristian Meissner (Finnish Environment Institute - Finland), Craig Macadam (Buglife - The Invertebrate Conservation Trust - United Kingdom)
1594	What hinders the use of bioassessment in decision-making for inland waters?	SANDRA POIKANE (European Commission Joint Research Centre - Italy), John P Simaika (IHE Delft Institute for Water Education - Netherlands), Andreas Bruder (University of Applied Sciences and Arts of Southern Switzerland - Switzerland), Fabio de Oliveira Roque (Instituto de Biociências, Universidade Federal de Mato Grosso Do Sul - Campo Grande - MT - Brasil), Alejandra Bedoya (University of Antioquia - Colombia), Gary Free (European Commission Joint Research Centre - Italy), Jennifer Lento (Canadian Rivers Institute and Department of Biology, University of New Brunswick - Canada), Marcelo S. Moretti (Laboratory of Aquatic Insect Ecology, University of Vila Velha - Vila Velha - ES - Brasil), Dave Penrose (Penrose Environmental Consulting LLC - United States), James Stribling (Tetra Tech, Inc., Center for Ecological Sciences, - United States), Stuart Warner (Global Environment Monitoring Unit – GEMS/Water Science Division, United Nations Environment Programme (UNEP) - Ireland), Martyn G. Kelly (School of Geography, Nottingham University - United Kingdom)
1768	Conservation and monitoring of aquatic fungal biodiversity	ANDREAS BRUDER (University of Applied Sciences and Arts of Southern Switzerland, Institute of Microbiology - Switzerland), Jennifer Anderson (Swedish University of Agricultural Sciences, Department of Aquatic Sciences and Assessment - Sweden), Consortium FUNACTION (Various - Sweden), Consortium MoSTFun (Various - Switzerland)
1882	Towards a framework for harmonized macroinvertebrate bioassessment approaches	MAYRA ALEJANDRA CORREA BEDOYA (University of Antioquia - Colombia), Sandra Poikane (Joint Research Centre - Italy), James Stribling (Tetra Tech Inc - United States), Jennifer Lento (University of New Brunswick - Canada), Andreas Bruder (University of Applied Sciences and Arts of Southern Switzerland - Switzerland), John Simaika (IHE Delft Institute for Water Education - Netherlands)

SS24 - Plankton diversity in face of anthropogenic changes

Code	Titles	Authors
1273	Anthropogenic threats to microcrustaceans of Madeira Island	ŁUKASZ SŁUGOCKI (University of Szczecin - Poland), Maria Holyńska (Museum and Institute of Zoology Polish Academy of Sciences - Poland), Lucyna Kirczuk (University of Szczecin - Poland), Anna Rymaszewska (University of Szczecin - Poland), Juan J. Gonçalves Silva (Funchal Natural History Museum - Portugal), Ricardo Araújo (Funchal Natural History Museum - Portugal)
1334	WARMING PROMOTED-CYANOBACTERIAL BLOOMS ARE HIGHLY RESILIENT TO SIMULATED RAINFALL EXTREME EVENTS	GEOVANI MORESCO (Universidade Estadual de Maringá - Maringá - PR - Brasil), Juliana Déo-Dias (Universidade Federal do Rio Grande do Norte - Natal - RN - Brasil), Lucía Cabrera-Lamanna (Centro Universitario Regional del Este- Universidad de la República - Uruguay), Claudia Baladán (Centro Universitario Regional del Este- Universidad de la República - Uruguay), Luzia Cleide Rodrigues (Universidade Estadual de Maringá - Maringá - PR - Brasil), Mariana Meerhoff (Centro Universitario Regional del Este- Universidad de la República - Uruguay)
1416	Changes in winter-active zooplankton communities in relation to lake ice duration highlight the ecological role of algal-derived fat stores and the potential implications of shorter winters	MARIE-PIER HEBERT (University of Vermont (US) & Universisté du Québec à Chicoutimi (Canada) - Canada), Jason Stockwell (University of Vermont - United States), Thanuri Kasthuri Arachchi (Université du Québec à Chicoutimi - Canada), Milla Rautio (Université du Québec à Chicoutimi - Canada)
1533	Effects of floating photovoltaics on aquatic organisms: a review	SIMONE CARDOSO (Federal University of Juiz de Fora - Juiz de Fora - MG - Brasil), Paula Mazza Barbosa Oliveira (Federal University of Juiz de Fora - Juiz de Fora - MG - Brasil), Rafael Marques Almeida (School of Earth, Environmental, and Marine Sciences, University of Texas Rio Grande Valley - United States)
1631	Underlying mechanisms of phytoplankton directional compositional changes over 30 years in an Amazonian flood-plain lake impacted by mining siltation.	Vera Lúcia Huszar (Universidade Federal do Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Fabio Roland (Federal University of Juiz de Fora - Juiz de Fora - MG - Brasil), Reinaldo L. Bozelli (Federal University of Rio de Janeiro - Rio de Janeiro - RJ - Brasil), Francisco A. Esteves (Federal University of Rio de Janeiro - Macaé - RJ - Brasil), Caio Graco Rodrigues Leandro Roza (University of Helsinki - Finland)
1750	Species coexistence mediated by functional equivalence and cooperation	CARLA KRUK (CURE y Fcien, Universidad de la República - Uruguay), Claudia Piccini (CICA, Instituto de Investigaciones Biológicas Clemente Estable - Uruguay), Guadalupe Beamud (CONICET - Universidad Nacional del Comahue - Argentina), Lía Sampognaro (CURE, Universidad de la República - Uruguay), Facundo Lepillanca (CICA, Instituto de Investigaciones Biológicas Clemente Estable - Uruguay), Angel Manuel Segura (CURE, Universidad de la República - Uruguay)

1791	Evidence for strong selective forces structuring bacterioplankton metacommunity along 800 km from freshwater reservoir to the sea	ANGEL SEGURA (CURE - Uruguay), Claudia Piccini (IIBCE - Uruguay), Carla Kruk (FCIEN - Uruguay), Eliana Nervi (IIBCE - Uruguay), Alvaro Gonzalez-Revello (IIBCE - Uruguay), Florencia Bertoglio (IIBCE - Uruguay), Caio Graco-Roza (University of Helsinki - Uruguay), Jose Sotello-Silveira (IIBCE - Uruguay)
1883	Can a single dominant dinoflagellate impact ecosystem functioning?	TAMAR ZOHARY (Israel Oceanographic & Limnological Research - Israel), Sami Taipale (University of Jyväskylä - Finland)

SS25 - South American Spatially Extensive Biological Assessments: Gaps & Opportunities

Code	Titles	Authors
1254	Water Body Assessments across the USA	BOB HUGHES (Amnis Opes Institute - United States)
1363	Unlocking the secrets of multimetric indices: a global meta-analysis on indices responses to disturbances and the construction features influencing them	RENATA RUARO (Universidade Tecnológica Federal do Paraná - Curitiba - PR - Brasil), ÉDER A. GUBIANI (Universidade Estadual do Oeste do Paraná - Toledo - PR - Brasil), ANDRE A PADIAL (Universidade Federal do Paraná - Curitiba - PR - Brasil), JAMES R KARR (University of Washington - United States), ROBERT M HUGHES (Amnis Opes Institute - United States), ROGER P MORMUL (Universidade Estadual de Maringá - Maringá - PR - Brasil)
1365	Using genus-level taxonomy and traits for cost-effective ecological assessments of diatom assemblage condition	LUISA RIATO (U.S Environmental Protection Agency - United States), Ryan Hill (U.S. Environmental Protection Agency - United States), Alan Herlihy (Oregon State University - United States), David Peck (U.S. Environmental Protection Agency - United States), Philip Kaufmann (U.S. Environmental Protection Agency - United States), John Stoddard (U.S. Environmental Protection Agency - United States), Steven Paulsen (U.S. Environmental Protection Agency (now retired) - United States)
1484	Innovation in environmental management via Company-University partnership	MARCOS CALLISTO (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Carlos BM Alves (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Ricardo R Solar (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Diego R Macedo (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Paulo S Pompeu (Universidade Federal de Lavras - Lavras - MG - Brasil), Robert M Hughes (Oregon State University - United States), Felipe V Manzano (Eletrobras-Furnas - Rio de Janeiro - RJ - Brasil), Tiago CO Tourinho (Eletrobras-Furnas - Rio de Janeiro - RJ - Brasil), Paulo S Formagio (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil)
1811	Learning from large-scale assessments of stream habitat: Insights from efforts across the United States and the European Union	DANA INFANTE (Michigan State University - United States), Rafaela Schinegger (University of Natural Resources and Life Sciences - Austria), Marlene Schurz (Leibniz Institute of Freshwater Ecology and Inland Fisheries - Germany), Lizhu Wang (International Joint Commission - United States), Wesley Daniel (United States Geological Survey - United States), Arthur Cooper (Michigan State University - United States), Jared Ross (Michigan State University - United States), Hao Yu (Michigan State University - United States), Kyle Brumm (Michigan State University - United States)
1814	ARE SMALL EMBANKMENTS ("AÇUDES") CAPABLE TO CHANGE THE ICHTHYOFAUNA IN THE NEOTROPICAL STREAMS?	CARLOS BERNARDO MASCARENHAS ALVES (UFMG - Belo Horizonte - MG - Brasil), PAULO SANTOS POMPEU (UFLA - Lavras - MG - Brasil), PAULO SÉRGIO FORMAGIO (UFMG - BELO HORIZONTE - MG - Brasil), FELIPE VIANA MANZANO (ELETROBRAS FURNAS - RIO DE JANEIRO - RJ - Brasil), ROSALVA SULZBACHER (UFLA - LAVRAS - MG - Brasil), GILBERTO NEPOMUCENO SALVADOR (UFMG - BELO HORIZONTE - MG - Brasil)

SS27 - Advancing and implementing environmental DNA and RNA methods for assessing, monitoring and managing freshwater ecosystems

Code	Titles	Authors
1328	Insights into the ecological impact of trout introduction in an oligotrophic lake using sedimentary environmental DNA	LENA SCHALLENBERG (Cawthron Institute - New Zealand), Georgia Thomson-Laing (Cawthron Institute - New Zealand), David Kelly (Cawthron Institute - New Zealand), John K Pearman (Cawthron Institute - New Zealand), Jamie D Howarth (Victoria University of Wellington - New Zealand), Marcus Vandergoes (GNS Science - New Zealand), Jonathan Puddick (Cawthron Institute - New Zealand), Sean Fitzsimons (University of Otago - New Zealand), Andrew Rees (Victoria University of Wellington - New Zealand), Susanna Wood (Cawthron Institute - New Zealand)
1427	Using Oxford Nanopore Sequencing to monitor cyanobacterial summer blooms and reconstruct genomes of bloom-forming species	NAILA BARBOSA DA COSTA (Institut national de la recherche scientifique (INRS) - Canada), Maude Pomerleau (Institut national de la recherche scientifique (INRS) - Canada), Thomas Deschenes (Institut national de la recherche scientifique (INRS) - Canada), Marianne Potvin (Université Laval - Canada), Jeff Gauthier (Université Laval - Canada), Christophe Langevin (Institut national de la recherche scientifique (INRS) - Canada), Vani Mohit (ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP) - Canada), Irena Kukavica-Ibrulj (Université Laval - Canada), Daniel Verreault (ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP) - Canada), Roger C Levesque (Université Laval - Canada), Jérôme Comte (Institut national de la recherche scientifique (INRS) - Canada)

1498	Having IMPACT on monitoring aquatic parasite diversity – presenting a new pipeline evaluating eDNA as an integrative tool for studying parasites	KAMIL HUPALO (University of Duisburg-Essen - Germany), Daniel Grabner (University of Duisburg-Essen - Germany), Florian Leese (University of Duisburg-Essen - Germany), Rachel Paterson (Norwegian Institute for Nature Research (NINA) - Norway), Bernd Sures (University of Duisburg-Essen - Germany)
1645	Application of eDNA metabarcoding to phytoplankton research in freshwater and saline lakes	MILOS CIRIC (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Chemistry, Belgrade - Serbia), Clarisse Lemonnier (UMR CARTEL, INRAE, Savoie-Mont Blanc University, Thonon-les-Bains cedex - France), Benjamin Alric (UMR CARTEL, INRAE, Savoie-Mont Blanc University, Thonon-les-Bains cedex; Pôle R&D ECLA Ecosystèmes Lacustres - France), Srđan Miletić (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Chemistry, Belgrade - Serbia), Jelena Avdalović (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Chemistry, Belgrade - Serbia), Biljana Dojčinović (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Chemistry, Belgrade - Serbia), Željka Milovanović (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Ecology and Technoeconomics, Belgrade - Serbia), Vladimir Petrović (University of Belgrade, Institute of Chemistry, Technology and Metallurgy - National Institute of the Republic of Serbia, Department of Ecology and Technoeconomics, Belgrade - Serbia), Andreas Ballot (Norwegian Institute for Water Research – NIVA, Oslo - Norway), Frédéric Rimet (UMR CARTEL, INRAE, Savoie-Mont Blanc University, Thonon-les-Bains cedex; Pôle R&D ECLA Ecosystèmes Lacustres - France)
1663	Evaluation on the use of eDNA metabarcoding in microbial communities as potential bioindicators of ecosystem integrity in a tropical river with anthropogenic pollution gradient.	RICARDO IVAN CRUZ CANO (Universidad Nacional Autónoma de México - Mexico), Melanie Kolb (Universidad Nacional Autónoma de México - Mexico), Luz Bretón-Deval (Universidad Nacional Autónoma de México - Mexico), Martha Martinez (Universidad Nacional Autónoma de México - Mexico), Pindaro Diaz-Jaimes (Universidad Nacional Autónoma de México - Mexico)

SS29 - Non-native taxa in freshwater ecosystems

Code	Titles	Authors
1158	Serial invasions can disrupt the time course of ecosystem recovery	ALEXANDER KARATAYEV (Great Lakes Center @ SUNY Buffalo State - United States), Vadim A Karatayev (University of Kansas - United States), Lars G Rudstam (Cornell University - United States), Lyubov E Burlakova (Great Lakes Center @ SUNY Buffalo State - United States), Boris V Adomovich (Belarusian State University - Belarus), Kristen T Holeck (Cornell University - United States), Amy L Hetherington (Cornell University - United States), James R Jackson (Cornell University - United States), Csilla Balogh (Balaton Limnological Research Institute - Hungary), Zoltán Serfőző (Balaton Limnological Research Institute - Hungary)
1298	High regeneration abilities of <i>Hydrilla verticillata</i> (L.f.) Royle can neutralise negative effects of periphyton in its non-native range	HONG ZHU (Universidade Estadual de Maringá - Maringá - PR - Brasil), Roger Paulo Mormul (Universidade Estadual de Maringá - Maringá - PR - Brasil), Dong Xie (Nanjing Forestry University - China), Erik Jeppesen (Aarhus University - Denmark)
1356	Patterns of fish beta diversity are heterogeneously affected by exotic species across biogeographic domains	ANDRE PADIAL (Universidade Federal do Paraná - Curitiba - PR - Brasil), Lorraine L. Cavalcanti (Universidade Federal do Paraná - Curitiba - PR - Brasil), Thiago V. T. Occhi (Universidade Federal do Paraná - Curitiba - PR - Brasil), Julian D Olden (Washington University - United States)
1548	Vertical distribution of the invasive rotifer <i>Kellicottia bostoniensis</i> (Rousselet, 1908) in a neotropical reservoir	LUCAS CESAR SANTOS CABRAL (UNIRIO - RIO DE JANEIRO - RJ - Brasil), RAFAEL LACERDA MACÊDO (Freie Universität Berlin - Germany), BETINA KOZLOWSKY SUZUKI (UNIRIO - RIO DE JANEIRO - RJ - Brasil), VANESSA GUIMARÃES LOPES (Instituto Tecnológico Vale - BELÉM - PA - Brasil), VERA HUSZAR (UFJR - RIO DE JANEIRO - RJ - Brasil), CHRISTINA WYSS CASTELO BRANCO (UNIRIO - RIO DE JANEIRO - RJ - Brasil)
1607	Utilizing AS-ISK: Evaluating Invasive Potential Among Established Alien Species in Reservoirs of Southeastern Brazil	AYMAR ORLANDI NETO (UNESP - Ilha Solteira - SP - Brasil), Danilo Caneppele (HMZ Aquicultura & Conservação - Paraibuna - SP - Brasil), Hugo Marques (FishTag - Mogi Guaçu - SP - Brasil), João Henrique Pinheiro Dias (Unesp - Ilha Solteira - SP - Brasil), Juan Antonio Balbuena (Universitat de València - Spain), Igor Paiva Ramos (UNESP - Ilha Solteira - SP - Brasil)
1697	Secondary invasion, the “new normal” for South African aquatic systems	SAMUEL MOTITSOE (UNIVERSITY OF THE WITWATERSRAND - South Africa), JULIE COETZEE (SOUTH AFRICAN INSTITUTE OF AQUATIC BIODIVERSITY AND CENTER FOR BIOLOGICAL CONTROL - South Africa), JACLYN HILL (MAURICE LAMONTAGE INSTITUTE, DEPARTMENT OF FISHERIES & OCEANS - Canada), MARTIN HILL (RHODES UNIVERSITY - South Africa)
1852	A decade of the golden mussel invasive species in a hydropower reservoir cascade (SE Brazil) – controlling factors of population dynamics	SAVIO SILVA (State University of São Paulo (UNESP), Botucatu, SP, Brasil), GILMAR PERBICHE-NEVES (Federal University of São Carlos (UFSCar), São Carlos, SP, Brasil), MARCOS NOGUEIRA (State University of São Paulo (UNESP), Botucatu, SP, Brasil)

SS31 - Scientific and societal challenges of macrophyte decline and recovery in inland waters

Code	Titles	Authors
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1279	How do epiphytic algae influence the competition of free-floating and submerged plants?	GERGŐ KOLESZAR (University of Nyíregyháza - Hungary), Edwin Peeters (Wageningen University and Research - Netherlands), Gábor Borics (Centre for Ecological Research - Hungary), Gábor Várbió (Centre for Ecological Research - Hungary), Sebastian Birk (University Duisburg-Essen - Germany), Sándor Szabó (University of Nyíregyháza - Hungary)
1281	Regime shift and stable co-existence between submerged and free-floating vegetation	SANDOR SZABO (University of Nyíregyháza - Hungary), Gergő Koleszár (University of Nyíregyháza - Hungary), Aliz Cszimár (University of Nyíregyháza - Hungary), Edwin T.H.M Peeters (Wageningen University and Research - Netherlands)
1331	The leaf economic spectrum of freshwater plant communities	LINDSAY TROTTIER (MCGILL UNIVERSITY - Canada), EA Et al. (McGill University - Canada), Lars Lønsmann Iversen (McGill University - Canada)
1346	Ongoing charophyte decline in hardwater lakes: experiments on the impact of nutrients, shading, DIC, Ca and warming	MICHAŁ BRZOZOWSKI (Poznań University of Life Sciences - Poland), Uta Müller (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in Berlin - Germany), Patrick Heibüchel (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in Berlin - Germany), Andreas Hussner (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in Berlin - Germany), Rüdiger Mauersberger (Förderverein Feldberg-Uckermärkische Seenlandschaft e.V., Templin - Germany), Sabine Hilt (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in Berlin - Germany)
1483	Interaction between native and invasive submerged macrophytes in lakes: understanding the reasons for facilitation, competition and boom-bust dynamics	MORGAN BOTREL (McGill University, Groupe de recherche interuniversitaire en limnologie (GRIL) - Canada), Irene Gregory-Eaves (McGill University, Groupe de recherche interuniversitaire en limnologie (GRIL) - Canada), Ulrike Hamann (Schleswig-Holstein State Office for the Environment, Lakes department - Germany), Anne Lewerentz (Institute of Geography and Geoecology (IFGG), Karlsruhe Institute of Technology (KIT) - Germany), Sabine Hilt (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) Berlin - Germany)
1678	Effects of a large dam, flood disturbance and grazing on abundance, dispersal, and recovery of <i>Vallisneria spiralis</i> : critical habitat for the nationally threatened Australian lungfish	MARK KENNARD (Australian Rivers Institute, Griffith University - Australia), Colin Burke (Australian Rivers Institute, Griffith University - Australia), David Roberts (Seqwater - Australia), Luke Carpenter-Bundhoo (Australian Rivers Institute, Griffith University - Australia), Hannah Franklin (Australian Rivers Institute, Griffith University - Australia)

SS32 - Environmental education and outreach

Code	Titles	Authors
1249	Exploring environmental perceptions on streams: a comparative study of urban and rural students from the Global South	MATHEUS MAXIMILIAN RATZ SCOARIZE (Universidade Estadual de Maringá e Instituto BiodiverCidade - Maringá - PR - Brasil), Mirtha Amanda Angulo Valencia (Universidade Estadual de Maringá - Maringá - PR - Brasil), Mariana Ratz Scoarize (Universidade Estadual de Maringá - Maringá - PR - Brasil), Beatriz Bosquê Contieri (Universidade Estadual de Maringá - Maringá - PR - Brasil), Carolina Laurenti (Universidade Estadual de Maringá - Maringá - PR - Brasil), Evanilde Benedito (Universidade Estadual de Maringá - Maringá - PR - Brasil)
1373	GlacierXperience – an example of experiencing glaciers in environmental education and teaching of STEM	MARTIN GROGER (University of Siegen - Germany), Heck Volker (University of Siegen - Germany), Spitzer Philipp (University of Graz - Austria), Höper Jan (UiT The Arctic University of Norway - Norway)
1524	Citizen Science as a sustainability tool for the conservation of urban streams: a successful University-Company-Schools partnership	MARCOS CALLISTO (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Juliana Silva França (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Mariana Pinho (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Fernanda Leão (Programa Gerdau Germinar - Ouro Branco - MG - Brasil)
1679	Towards stronger emotional linkages between society and Danube River ecosystems	GABRIELA COSTEA (Leibniz Institute of Freshwater Research and Inland Fisheries (IGB) - Germany), Sabine Schmidt-Halewicz (LimSa Gewässer - Germany)
1751	Urban Streams as living labs for citizen Science and environmental education	MARIA JOAO FEIO (University of Coimbra, Dept. Life Sciences, MARE/ARNET, PROAQUA - Portugal), Ana Raquel Calapez (University of Coimbra, Dept. Life Sciences, MARE/ARNET, PROAQUA - Portugal), Sónia RQ Serra (University of Coimbra, Dept. Life Sciences, MARE/ARNET, PROAQUA - Portugal), Salomé FP Almeida (University of Aveiro, Dep. Biology, GeoBioTec - Portugal), Francisca Moreira (Marionet - Portugal), Mário Montenegro (Marionet, CEIS20 - Portugal), Carina Dantas (SHINE2, Europe - Portugal)
1824	Science education through environmental and social practices	JULIANA FRANÇA (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Bruna Souza Vieira (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Rafael Soares Carvalho (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Bruno Bernardo Dohler Guimarães (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Mariana Soares Pinho (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil), Tiago Chagas Oliveira Tourinho (Eletrobras Furnas - Rio de Janeiro - RJ - Brasil), Marcos SILVA Callisto (Universidade Federal de Minas Gerais - Belo Horizonte - MG - Brasil)

1844	Civic engagement and community leadership: a case study from a seven-year multi-institutional initiative to protect a river	CAROLINA MARTINS PRADO (Pastoral da Ecologia e do Meio Ambiente Paróquia Santa Isabel de Portugal - Maringá - PR - Brasil), Matheus Maximilian Ratz Scoarize (Universidade Estadual de Maringá - Maringá - PR - Brasil), Ricardo Massato Takemoto (Universidade Estadual de Maringá - Maringá - PR - Brasil), Maria De Los Angeles Perez Lizama (Universidade Cesumar - Maringa - PR - Brasil), Evanilde Benedito (Universidade Estadual de Maringá - Maringá - PR - Brasil)
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SS33 - Resilience Capacity (Adaptation And Transformation) Of Water Management And Governance Systems

Code	Titles	Authors
1429	Navigating Complex Waters: Applying Multi-Criteria Decision Analysis in the Danube River Basin and Mekong Delta for Transboundary Freshwater Management	KATARINA ANA CETINIC (Norwegian Institute for Water Research (NIVA) - Norway), Dang Thanh Lam (Southern Institute of Water Resources Planning (SIWRP) - Vietnam), Nam Nguyen Trung (Southern Institute of Water Resources Planning (SIWRP) - Vietnam), Mikhail Smilovic (International Institute for Applied Systems Analysis (IIASA) - Austria), Niko Wanders (Utrecht University (UU) - Netherlands), Eulalia Gómez Martín (Universitat Politècnica de València (UPV) - Spain), Emilio Politti (International Institute for Applied Systems Analysis (IIASA) - Austria), Jaime Ricardo García Márquez (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Sami Domisch (Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) - Germany), Simone Daniela Langhans (Norwegian Institute for Water Research (NIVA) - Norway)
1699	Inter and transdisciplinarity strategies for evaluating and improving water quality monitoring systems: Uruguay as a study case	NESTOR MAZZEO (CURE-Udelar and SARAS Institute - Uruguay), Ana Lía Ciganda (CURE-Udelar and Environmental Science Group, Wageningen University & Research - Uruguay), Camila Fernández-Nion (Instituto de Ecología y Ciencias Ambientales-Udelar - Uruguay), Francisco Jesus Peñas (Instituto de Hidráulica Ambiental de la Universidad de Cantabria - Spain), Alexia María González-Ferreras (Instituto de Hidráulica Ambiental de la Universidad de Cantabria - Spain), Carolina Crisci (CURE-Udelar - Uruguay), Cristina Zurbriggen (Facultad de Ciencias Sociales-Udelar - Uruguay), Daniel Pérez (Facultad de Psicología-Udelar - Uruguay), José Barquin (Instituto de Hidráulica Ambiental de la Universidad de Cantabria - Spain), Ismael Díaz (Instituto de Ecología y Ciencias Ambientales-Udelar - Uruguay)
1866	Governance of water resources in indigenous communities in southern Ecuador, a measure of resilience to water scarcity.	VICTOR CARTUCHE (University National of Loja - Ecuador), David Cartuche (University National of Loja - Ecuador), Lourdes González (Technical University of Manabi - Ecuador), Carlos Chuncho (University National of Loja - Ecuador), Darío Ventimilla (University National of Loja - Ecuador), Darío Quinde (University National of Loja - Ecuador), Andrés Gonzalez (Comunidad indígena Tambopamba - Ecuador), Darlin González (University National of Loja - Ecuador)
1869	Translational River Ecology: science from and for society in the global change era	NICOLE COLIN (Instituto de Ciencias Ambientales y Evolutivas, Universidad Austral de Chile - Chile), Pablo Sánchez (Instituto de Ciencias de la Tierra, Universidad Austral de Chile - Chile), Gabriel Moreno (Instituto de Ciencias de la Tierra, Universidad Austral de Chile - Chile), Marcelo Valencia (Instituto de Ciencias Ambientales y Evolutivas, Universidad Austral de Chile - Chile), Nicole Rocha (Instituto de Ciencias Ambientales y Evolutivas, Universidad Austral de Chile - Chile), Carla Marchant (Instituto de Ciencias Ambientales y Evolutivas, Universidad Austral de Chile - Chile), Sarah Kelly (Department of Anthropology, Dartmouth College - Chile)