

ISEHCNC/2017



First announcement & call for papers

ORGANIZERS

European Regional Centre
for Ecohydrology
Polish Academy of Sciences



World Meteorological
Organization



UNESCO International
Hydrological Programme



UNESCO World Water
Assessment Programme



International Centre
for Water Resources and Global Change
u/a UNESCO



Chongqing Institute
of Green and
Intelligent
Technology



Key Laboratory of
Reservoir Environment
Chinese Academy
of Sciences



University of Lodz



International Symposium

ECOHYDROLOGY

for the **Circular Economy**

and **Nature-Based Solutions**

towards mitigation/adaptation

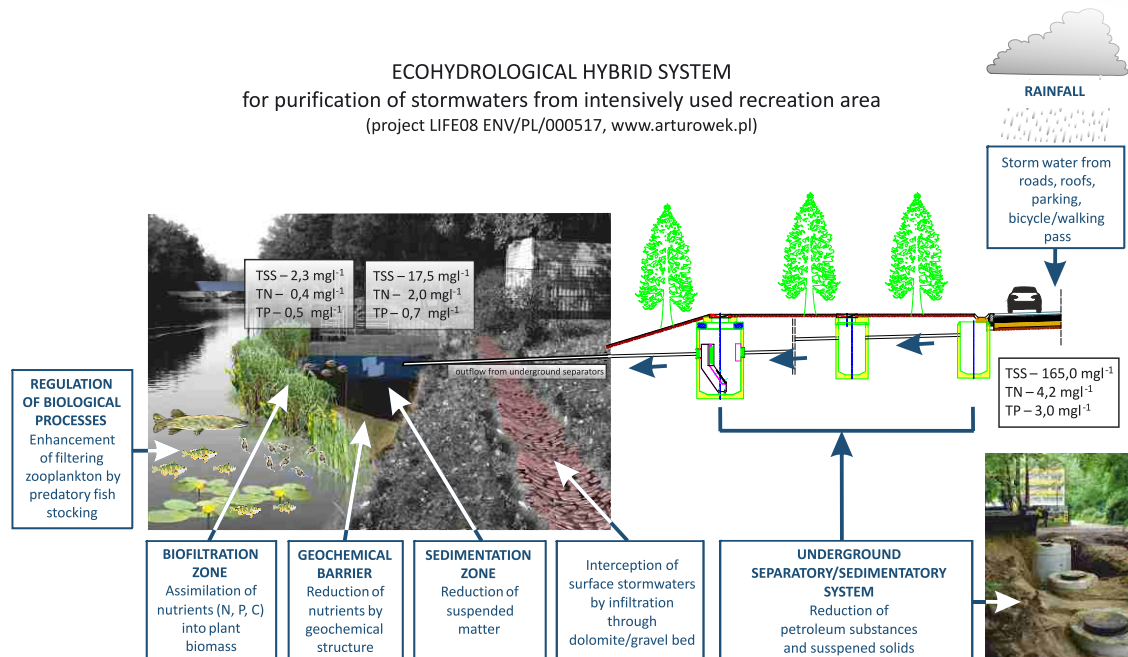
to **Climate Change**

26 – 28 September 2017

LODZ, POLAND

ECOHYDROLOGICAL HYBRID SYSTEM

for purification of stormwaters from intensively used recreation area
 (project LIFE08 ENV/PL/000517, www.arturowek.pl)



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RATIONALE

Co–chairs:

Maciej Zalewski
(European Regional
Centre for Ecohydrology
of the Polish Academy of Sciences)

Johannes Cullmann
(World Meteorological
Organization)

Giuseppe Arduino
(UNESCO International
Hydrological Programme)

In the face of global degradation of water–related ecosystems, climate instability and growing anthropogenic impacts, there is an urgent need to integrate the existing knowledge from different environmental sciences as a key for the development of problem–solving, sustainability science. Ecohydrology, as transdisciplinary science, has been postulating ecosystem processes as management tools for sustainability by defining multidimensional goals for catchment management – WBSRC (Water, Biodiversity, Ecosystem Services for Society, Resilience to climatic changes and Cultural heritage).

Since water is a major driver of biogeochemical evolution and hence of biodiversity and biological productivity, regulation of ecohydrological processes becomes the first and fundamental step towards achieving sustainability in the catchment, particularly in human–modified and degraded systems. Since its formulation under UNESCO's International Hydrological Programme, the implementation of WBSRC strategy is creating synergy between nature–based solutions and circular economy model with constant development and increasing efficiency.

VENUE

Lodz, POLAND

The symposium will bring together top experts from scientific institutions and international organizations and will provide an open floor for the discussion about integration of ecohydrological biotechnologies and systemic solutions with a circular economy development towards mitigation/adaptation to climate instability.

Every successful strategy must be founded with two elements: amplification of opportunities and elimination of risks. Circular economy, the rising issue of our times, focuses on "closing the loop" approach, contributes to increasing resources productivity (and decreasing of disposals), energy use and pollutants emission. To achieve the sustainability with adaptation to climate change it is necessary to implement the second element of the strategy, which is the enhancement of catchment carrying capacity (sustainability potential) with profound understanding of ecosystem processes and their dynamics. Ecohydrology, based on change from mechanistic to evolutionary approach, creates potential for the synergy effect between both circular economy and nature–based solutions.

The previous International Symposium on Ecohydrology, Biotechnology & Engineering, took place in Lodz (September 2013) and gathered over 210 experts and scientists from 31 countries.



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CALL FOR ABSTRACTS AND PAPERS

The International Scientific Committee of the Symposium welcomes the submissions in accordance with the following general topics:

Ecohydrology
Circular Economy
Bioeconomy
Nature-based solutions
Climate change adaptation, mitigation and resilience
Ecohydrological biotechnologies

Based on the reviewing process authors will be invited to make an oral/poster presentation, and to submit a full paper for a special symposium issue to be published by *Ecohydrology & Hydrobiology* (ELSEVIER) journal after the symposium.



**ECOHYDROLOGY
&
HYDROBIOLOGY**



Editor-in-Chief: Maciej Zabłocki



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www.journals.elsevier.com/ecohydrology-and-hydrobiology

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IMPORTANT DATES

Registration	01 March – 31 May 2017
Early registration closes	30 April 2017
Abstract Submission closes	10 June 2017
Symposium dates	26 – 28 September 2017

Pre-registration

If you are interested in participating, please send an e-mail to the **Symposium Secretariat at ehcnc@erce.unesco.lodz.pl** for a preliminary (non-binding) registration. This will ensure that you receive further information about registration process as it becomes available.

SYMPOSIUM FEES

standard registration	300,- euro
late registration	400,- euro
student registration	150,- euro
late student registration	200,- euro

Limited financial support will be available to assist participants from developing countries. The registration fee will include symposium proceedings and printed materials, coffee breaks, dinners, side events participation and social program.

SESSIONS AND ACCOMPANYING EVENTS

4th Symposium of Healthy Rivers and Sustainable Water Resource Management: Reservoir carbon cycling and GHG fluxes – from the perspective of Ecohydrology for Mitigation and Adaptation to Climate Change

Chairs: Jin-song Guo, Zhe Li (Key Laboratory of Reservoir Environment, Chinese Academy of Sciences) and Maciej Zalewski (ERCE PAS, Poland)



AMBER – Adaptive Management of Barriers in European Rivers (HORIZON 2020) – Project Meeting

Chairs: Carlos Garcia De Leaniz (Swansea University, UK), and Maciej Zalewski (ERCE PAS, Poland)

Revitalisation, Ecohydrology, Nature-Based Solutions and Circular Economy for the City of Future – Scientific session

Chairs: Iwona Wagner (ERCE PAS, Poland) and Pascal Breil (National Research Institute of Science and Technology for Environment and Agriculture, France)

Contact Information

For any queries and general questions related to the ISEHCNC please contact Symposium Secretariat e-mail: info.ehcnc@erce.unesco.lodz.pl

Webpage www.isehcnc.com will be available soon

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