

KONFERENCJA

Stormwater Poland 2019

GDAŃSK, 11-13 MARCA 2019

Sustainable management of rainwater

European Solidarity Centre
Gdańsk, pl. Solidarności 1

AGENDA

DAY 1 | MARCH 11 th 2019

Venue: European Solidarity Centre, pl. Solidarności 1, Gdańsk

- 8:15 – 9:00 Registration of participants
9:00 – 9:15 Official opening of the conference

SESSION I: Rainwater in the development of urban space

SESSION MODERATORS: prof. dr hab. eng. Elżbieta Nachlik and prof. dr hab. Andrzej Kotowski

During the conference, we will start a real dialogue of stakeholders of the development of the agglomeration, aimed at coordinating the management of rainwater with the development and transformations of our cities. Within this block, we will reach for inspirational examples of practices from the country and abroad on various scales, which prove that water is a resource conditioning the proper development of all cities.

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- 9:15 – 9:45 **Rainwater management. A personal perspective.**
Dr Mark Fletcher, Arup Fellow, UK
- 9:45– 10:00 **Retention as a planning issue**
dr hab. eng. arch. Magdalena Belof, prof. Associate. Wroclaw University of Technology and dr Maciej Zathej, Institute for Territorial Development, Poland
- 10:00 – 10:15 **Retention and flood safety in the spatial planning system**
dr arch. Tomasz Majda, Society of Polish Town Planners, Poland

10:15 – 10:30	Rainwater in the development of urban space in Gdansk <i>Piotr Grzelak, Deputy President of the City, Gdańsk, Poland</i>
10:30 – 10:45	Retention actions of State Forests on the outskirts of the agglomeration on the example of RDSF operations in Wrocław. <i>Ryszard Majewicz, Regional Directorate of State Forests in Wrocław, Poland</i>
10:45 – 11:00	Educational water parks as a way of the retention in public space <i>Wojciech Falkowski, ECOL-UNICON, Poland</i>
11:00 – 11:15	Session summary
11:15 – 11:30	Coffee break

SESSION II: Standards for maintaining and equipping drainage systems

SESSION MODERATORS: dr hab. eng. Paweł Licznar, prof. Wrocław University of Technology and dr hab. eng. Jadwiga Królikowska, prof. nadzw., Cracow University of Technology

Taking advantage of the presence of a wide range of Polish and foreign rainwater stakeholders, as part of the second session of the conference, we will attempt to work out the foundations of national standards based on experience from Europe and the world.

11:30 – 12:00	Standards of rainwater in Bydgoszcz <i>Stanisław Drzewiecki, MWiK Bydgoszcz, Poland</i>
12:00 – 12:15	Standards in the planning and design of retention and drainage systems <i>Agnieszka Wrzesińska, WAVIN, Poland</i>
12:15 – 12:30	Rainwater in standards of shaping greenery in the city. <i>PhD, country arch. Piotr Reda oraz PhD, eng. Country arch. Łukasz Dworniczak, Landscape Architecture Association, Poland</i>
12:30 – 12:45	Ways of dealing with waste with the help of sewage systems. <i>Zbigniew Zakrzewski, CDM Smith, Poland</i>
12:45 – 13:00	Amiblu retention systems - planning and operating guidelines <i>Robert Walczak AMIBLU, Poland</i>
13:00 – 13:15	WRcSO. Rethinking the CSO for the 21st Century <i>Peter Henley, Water Research Centre Limited, UK</i>
13:15 – 13:30	Standards of using linear drainage with prefabricated reinforced concrete casing. <i>Maciej Pawlak, HAURATON, Poland</i>

13:30 – 13:45	Material properties affecting the minimization of the life cycle cost of the product in relation to the latest standards. <i>Paweł Pill, Uponor Infra, Poland</i>
13:45 – 14:00	Session summary
14:00 – 14:45	Lunch break

SESSION III: Going digital - the process of implementing digital rainwater management

SESSION MODERATORS: dr hab. eng. Maciej Mrowiec, prof. associate. Czestochowa University of Technology and dr hab. eng. Ewa Wojciechowska, prof. associate. Gdansk University of Technology, dr eng. Roman Edel, the City of Kiel

As part of the third thematic session of the conference, we will address the topic of modern tools for rainwater management, encouraging participants to apply a completely new tooling workshop. Beginning with the exploitation or thorough change of its business model, let's reach for the tools of the future.

14:45 – 15:15	Digital twinning of river basin districts <i>Andrew Blackhall, Water Research Centre Limited, UK</i>
15:15 – 15:30	Challenges and perspectives of digital rainwater management <i>Tomasz Grochowski, RETENCJAPL, Poland</i>
15:30 – 15:45	Automated and collaborative digital workflows for integrated flood management. <i>Rodrigo Fernandes, Bentley Systems, Portugal</i>
15:45 – 16:00	Quality and accuracy of measuring devices in the hydrodynamic model calibration cycle <i>Marcin Glixelli, Municipal Water and Sewage Enterprise S.A., Kraków, Poland</i>
16:00 – 16:15	Coffee break
16:15 – 16:30	Digitalization of precipitation data – Requirements for state-of-the-art storm water management. <i>eng. Tobias Menzel, OTT Hydromet GmbH, Germany</i>
16:30 – 16:45	The use of rainfall data in the daily work of MPWiK S.A. in Wrocław <i>Tomasz Konieczny, MPWiK S.A. Wrocław, Poland</i>
16:45 – 17:00	Effective drainage of hardened surfaces with the help of the free PAM TOOLS calculator. <i>Krzysztof Drzyzga, Saint-Gobain PAM, Poland</i>
17:00 – 17:15	Summary of the session and first day of the conference
20:00 – 00:00	Evening gala for conference participants Venue: The Great Armory at Targ Węglowy 6

DAY 2 | MARCH 12 th 2019

Venue: European Solidarity Centre, Gdańsk, plac Solidarności 1,

10:00 – 10:15 Welcoming guests and starting the second day of the event

SESSION IV: Mechanisms for financing water management

SESSION MODERATOR: Rafał Szporko - President of DS Consulting and dr hab. eng. Ewa Burszta – Adamiak, University Of Life Sciences In Wroclaw

As part of the fourth thematic session, we will show ways to forecast the costs of operating drainage systems, and estimate their costs when taking over existing assets. The discussion will include real implementation of mechanisms of stable financing of drainage systems (in Polish conditions).

10:15 – 10:45 **Challenges and opportunities for financing projects of urban Resilience Programmes.**
Joanne Manda, UNDP Bangkok Regional Hub, Thailand

10:45 – 11:00 **The results of the project developing adaptation plans for climate change in cities over 100,000 inhabitants (MPA) and co-financing projects from EU funds after 2020 in the environmental sector.**
Piotr Czarnocki, Ministry of the Environment, Poland

11:00 – 11:15 **UK approach to financing construction and maintenance of drainage systems**
Małgorzata Dolata, Water Research Centre Limited, Wielka Brytania

11:15 – 11:30 **Public aid and the financing of the rainwater and meltwater management system by local government units - when is the risk and how to avoid it?**
Katarzyna Zięba, DS LEX, Poland

11:30 – 11:45 **Optimization of costs related to rainwater management on the example of a production plant in Poland.**
Jeremi Elżanowski, ACO Elementy Budowlane, Poland

11:45 – 12:00 **Session summary**

12:00 – 12:15 Coffee break

SESSION V: Rainwater as a management challenge

SESSION MODERATOR: prof. dr hab. eng. Jacek Mąkinia, Gdansk University of Technology and dr eng. Agnieszka Brzezińska, Technical University of Lodz

Rainwater management is a real managerial challenge. In the 5th conference block in the formula of a wide discussion panel with the participation of high-class managers, we will address the challenges faced by managers of drainage systems.

- 12:15 – 12:45** **How Climate Change is changing how we manage our city**
Ole Larsen, CALL Copenhagen, Denmark
- 12:45 – 13:00** **Management of rainwater and drainage waters in a large industrial plant.**
dr eng. Arkadiusz Kamiński, PKN Orlen S.A., Poland
- 13:00 – 13:15** **The role of media campaigns in the implementation of rain projects.**
Marek Jankowiak, MWiK Bydgoszcz, Poland
- 13:15 – 13:45** **EBC's benchmarking programme for water services – need for developing a stormwater benchmarking module?**
Peter Dane, European Benchmarking Co-operation, Netherlands
- 13:45 – 14:00** **When rainwater is a problem. - The correct selection and optimization of pumping systems.**
Piotr Matysiak, Pumps Wastewater, Poland
- 14:00 – 14:15** **Session summary**
- 14:15 – 14:30** Coffee break
- 14:30– 15:30** **Discussion panel - Managerial challenges in the rainwater sector**

DISCUSSION I - Strategy of drainage systems

Moderator: Klara Ramm – expert of Chamber of Commerce "Polish Waterworks", Polish representative in EurEau

Experts:

Anna Czyżewska, National Fund for Environmental Protection and Water Management

Tadeusz Rzepecki, Tarnowskie Wodociągi Sp. z o. o.

Ryszard Gajewski, Gdańskie Wody Sp. z o. o.

Jarosław Rosa, BIPROWODMEL Sp. z o. o.

Andrzej Wójtowicz, Wodociągi Słupsk Sp. z o. o.

DISCUSSION II - Maintenance and operation of drainage systems

Moderator: Andrzej Osiński - expert of RETENCJAPL and Chamber of Commerce "Polish Waterworks"

Experts:

Mariusz Bednarczyk, Miejskie Wodociągi i Kanalizacja Sp. z o. o. w Pile

Piotr Czarnocki, Ministry of the Environment

Marta Bis, Przedsiębiorstwo Wodociągów i Kanalizacji Sp. z o.o. w Tarnowskich Górach

Stanisław Drzewiecki, Miejskie Wodociągi i Kanalizacja w Bydgoszczy

Andrzej Kurkiewicz, Elbląskie Przedsiębiorstwo Wodociągów i Kanalizacji Sp. z o. o.

Włodzimierz Dudlik, AQUANET S.A.

15:30 – 15:45	Summary of the conference. The official ending of the conference part of the event
15:45 – 16:45	Lunch for conference participants.
17:00	The end of the second day of the event.

DAY 3 | MARCH 13 th 2019

09:00 – 13:00	WORKSHOP I Effective management of retention projects Moderators: Jacek Zalewski, RETENCJAPL Rodrigo Fernandes, Bentley Systems, Portugal Michał Oktawiec, RETENCJAPL Tomasz Glixelli, RETENCJAPL Venue: Hotel Radisson Blu, Gdańsk, ul. Długi Targ 19
09:00 – 13:00	WORKSHOP II Financing drainage systems - from investment to maintenance Moderators: Rafał Szporko, DS Consulting Renata Woźniak, Vecchie, RETENCJAPL Katarzyna Zięba, DS LEX Jacek Zalewski, RETENCJAPL Jarosław Rosa, expert RETENCJAPL

Venue: Hotel Radisson Blu, Gdańsk, ul. Długi Targ 19

09:00 – 13:00

WORKSHOP III

From idea to detail. Legal, administrative, infrastructure and quality meanders of small and large retention in public space.

Moderators:

inż. arch. Joanna Małuj, GRAPH 31

dr hab. inż. arch. Anna Januchta-Szostak, prof. nadzw. PP

Artur Groth, Ecol-Unicon

Aleksander Lech, GCL

Venue: Hotel Radisson Blu, Gdańsk, ul. Długi Targ 19

09:00 – 13:00

WORKSHOP IV: STUDY VISIT

Rainwater management - how they do it in Gdansk?

Moderators:

Joanna Rayss, Gdańskie Wody

Wojciech Szpakowski, Gdańskie Wody

Meeting place: Gdańsk, Targ Węglowy

09:00 – 13:00

WORKSHOP V: FIELD CLASS

How to use rainwater - green / blue infrastructure in practice.

Moderators:

Mariusz Cytowski, Ecol-Unicon

Karol Mikołajewski, RETENCJAPL

Paweł Kapelanowski, GCL

Meeting place: Gdańsk, Targ Węglowy

Venue: Gdańsk, 2 Równa Street, production facility of ECOL-UNICON

13:00 – 14:00

Lunch break

14:00

The end of the Stormwater Poland 2019 event.