

Symposium Dispuut Water & Environment

May 19th 2020

Flood and Drought

Two sides of the same coin


TU Delft

 **DISPUUT WATER & ENVIRONMENT**

General information

Contact information



+31 6 55690026 (Charlie Jurjus)



symposiumdwe@tudelft.nl



dispuutwaterandenvironment.com

Committee of approval

prof. dr. ir. L.C. Rietveld

Head Water Management Department
Professor of Drinking Water & Urban Water Cycle Technology

prof. dr. ir. J.B. van Lier

Head Section Sanitary Engineering
Professor of Environmental Engineering/Waste Water Treatment

prof. dr. ir. M.K. de Kreuk

Master Coordinator Environmental Engineering
Professor Water Treatment

prof. dr. ir. N.C van de Giessen

Head Water Resources Management
Professor of Water Resources

prof. dr. ir. M. Bakker

Professor of Geohydrology



Introducing the Symposium

The Symposium is hosted annually by Dispuut Water & Environment which focusses on essential issues related to water and environment. Every year an assortment of internationally respected scientists, engineers, and professionals are brought together to give a series of lectures and workshops that explore the chosen topic from many different angles.

This year's theme will be "Flood and drought". The goal of the Symposium is to educate our students and the public at large through fostering discussion and debate on the global challenge of facing flooding and droughts. The event day ends with a case study session and drinks which offers the opportunity for companies, speakers, and participants to get in touch with each other and create valuable relationships.

In this booklet you can find all the information on the Dispuut, the organization Committee and the Symposium. If you are interested in participating in this Symposium to get in touch with dedicated students from the master tracks Water Management and Environmental Engineering or if any questions arise, don't hesitate to contact us. Our contact information can be found on the previous page.

The Symposium will be held in English.

The audience

The guests at the annual Symposium are mostly students from the masters Water Management and Environmental Engineering. Following different master tracks, their range of interest covers the areas of Hydrology, Water Resources Engineering, Urban Water Management, Sanitary Engineering, Water Quality and Treatment and Atmospheric Processes. Students from different faculties and other universities will also be invited, focussing on Hydraulic Engineering, Agriculture and Agronomy Science and any other interested.



Theme

“Flood and drought: two sides of the same coin”

Satellite records of global water cycles increase in size and detail. Patterns and trends are emerging and indicate long-term changes to global water distributions. More and more records are set for both wet and dry weather around the globe. Societies, economies and food production are all affected by both extreme rainfall and extreme lack of it.

Many cities around the world are already facing water stress. Recent years Cape-Town (South-Africa), Sao Paulo (Brazil) and Chennai (India), teetered on the brink of Day Zero whilst Rome also had to cut water supplies. Even The Netherlands coped with extreme droughts. But water stress does not only mean drought. This year, the Mississippi River saw its longest flood on record due to extreme precipitation. Venice has recently seen record floodings, submerging 70% of the city. Both drought and flooding must be seen together. Subsiding ground levels in combination with rising sea levels threaten many regions in the world, like the Netherlands.

Globally, awareness of the water problem is rising. The UN Sustainable Development Goal (SDG) 6, Water and Sanitation, specifically mentions water scarcity and integrated water resource management. Still, water demand is rising and adaptation of water infrastructure and management is needed.

The Dispuut Water and Environment Lustrum Symposium attempts to bring together representatives of research, government and industry to share their knowledge and stories on flood and drought and to discuss problems together with participants from different backgrounds.



Day program

This program is provisional, slight adjustments can still be made. The symposium will be held on the 19th of May 2020.

12:30	Walk in
13:00 - 13:30	Word of welcome by Huub Savenije
13:30 - 14:15	1st speaker
14:15 - 14:25	Discussion with audience
14:25 - 15:10	2nd speaker
15:10 - 15:20	Discussion with audience
15:10 - 15:55	3rd speaker
15:55 - 16:05	Discussion with audience
16:05 - 16:30	Break with company & organization information market, including drinks and bites
16:30 - 18:15	Case studies/workshops
18:15	Company information market & drinks including bites



Previous editions



2019 Drowning in plastics

dr. ir. Bram Martijn

dr. ir. Geert Jan Willems

prof. dr. ir. Wim Uijttewaal

PNW Water Supply Company

SABIC

TUD Hydraulic Engineering

2018 Day zero

dr. Hessel Winsemius

Fokko van der Groot

dr. ir. Joep Schyns

Deltares

Boskalis and Ecoshape

University of Twente



2017 Hidden water

Arjen Hoekstra

Charlotte de Fraiture

dr. E. Salvatore

dr. Filiberto Altobelli

Michiel Adriaanse

University of Twente

UNESCO-IHE

UNESCO-IHE

Italian Institute of Agricultural Economy

KCPK

2015 Water as a Weapon

Alexander Verbeek

Julie van der Blik

Henk Post

Pieter van der Zaag

Ministry of Foreign Affairs

International Water Management Institute

Reest & Wieden, Royal Dutch Army

UNESCO-IHE



Dispuut Water & Environment

In the upcoming year 2020 the Dispuut Water & Environment will celebrate their 8th Lustrum, 40 years of collaboration between students, the faculty and our partner companies. In 1980 the study association was founded to build bridges within the department of Water Management and to develop and sustain a network beyond the academic framework. Nowadays, the master programme of Environmental Engineering is evenly incorporated in the work of the Dispuut and within its scope of action the Dispuut works on improving the level of sustainability.

Our board of seven members is responsible for the organization of eight committees to ensuring the quality of education while providing a platform for exchange. One main goal of our engagement is to provide bonding possibilities between interesting, successful and influential companies, highly topical research and dedicated and skilled students, thereby enhancing knowledge transfer and exchange of experiences. Our members benefit from various events like lunch lectures, business events and workshops, as well as social networking opportunities and study related excursions. The yearly symposium is one of our most important events to initiate discussions on current and important matters in an interdisciplinary and professional environment.



Symposium Committee

This year's Symposium is held by five students of the masters Water Management and Environmental Engineering. We are a group of enthusiastic environmental warriors who are keen on spreading awareness of environmental and social problems and discussing technical solutions. We as a team hope to inspire students to achieve a united goal and to explore innovative plans for a sustainable future. For any questions or remarks, please contact our chairman Diederick through the contact information provided in this folder.

f.l.t.r: Charlie Jurjus, Sarah Jacob, Katharina Wilbrand, Vera Kingma, Diederik Spaans.

Delft University of Technology (TU Delft) is the largest and oldest Dutch public technological university, located in Delft, the Netherlands. It counts as one of the best universities for engineering and technology worldwide, typically seen within the top 20. It is repeatedly considered the best university of technology in the Netherlands.

