

Programme

Thursday February 19

7:30 PM

Filmhuis Lumen
students*: €4,50

Film:

ThuleTuvalu

Friday February 20

10:30 – 12.30 PM

UNESCO-IHE
students only (free),
followed by lunch

Workshop: Film, Scientific
Visualizations & Water

speakers:

Linda Lilienfeld – Director of
Let's Talk About Water

Lenneke Knoop – The Water
Channel (thewaterchannel.tv)

Nick van de Giesen – Professor
Water Management, TU Delft

William Veerbeek – Senior
Researcher, UNESCO-IHE

Gennadii Donchyts – Senior
Advisor/Research, Deltares

Friday February 20

7:30 PM

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students*: €4,50

Film:

The Great Flood

Saturday February 21

1:15 – 2:00 PM

Filmhuis Lumen
free admission

Film & discussion:

H₂O mx

videolink speaker:

Eugenio Barrios – Director
Water Program, WWF Mexico

More information:
filmhuis-lumen.nl/LTAW

Let's Talk About Water

Film and
Water Event

FEB
19-20-21
2015



UNESCO-IHE
Institute for Water Education



UNESCO-IHE
Institute for Water Education



Let's Talk About Water

Welcome!

Venues:

Let's Talk About Water is a program designed to bring film and hydrologic science together to spark meaningful dialogue amongst scientists, students and the greater public. In our third year in Delft, one of the major water capitals of the world, we are presenting a four-part program.

Three feature films will be shown on 3 consecutive days at **Filmhuis Lumen:**

ThuleTuvalu Thursday, February 19, 7:30 PM
The Great Flood Friday, February 20, 7:30 PM
H₂O mx Saturday, February 21, 1:15 PM [free admission]

These programs are open to the public — students* can attend for half price.

In addition, we will be hosting a Workshop **Film, Scientific Visualizations & Water** at **UNESCO-IHE:**

Conversation/Short Films Friday, February 20, 10:30 AM – 12:30 PM [students only, free admission]

Geographically we travel from Greenland to the South Pacific in **ThuleTuvalu** and a present-day look at how climate change, glacial melt and sea level rise affects two different cultures 2500 miles apart.

At a continental scale with **The Great Flood** by Bill Morrison (Friday night) we go back in time to look at flooding that rocked the US continent, when the Mississippi floodwaters erupted over the course of two years in 1927 and 1928 — with black and white stock footage edged with nitrate deterioration from the period and set to an exquisite jazz score by Bill Frisell. The displacement and migrations of thousands of people affected the racial, economic and musical history of the United States.

On Saturday afternoon we will go from global and continental scales to one location — Mexico City — a magnificent city built on an ancient lake. **H₂O mx** shows it is suffering from flooding in a watershed closed off from the sea, draining its aquifers for drinking water for a parched population and starting to sink into its historic lakebed.

The **Workshop** at UNESCO-IHE (Friday morning) will examine how scientific computation in the world of hydrology can be electrified and made compelling to a wider audience outside of the scientific community by using software tools to create cutting edge and dynamic imagery to tell the story of where we — as humans — will fit into the watery world of our new climate changed planet.

Westvest 7
2611 AX Delft
unesco-ihe.org



UNESCO-IHE
Institute for Water Education

Doelenplein 5
2611 BP Delft
filmhuis-lumen.nl



Delft's independent
non-profit arthouse cinema,
powered by 120 volunteers

Half price!

*) For the evening screenings at **Filmhuis Lumen** students of **TU Delft** and **UNESCO-IHE** and employees of **Deltares** and the **Water Board** (Hoogheemraadschap van Delfland) pay €4,50 instead of the regular entrance fee (€9).

filmhuis-lumen.nl/LTAW

Filmhuis Lumen
Saturday
February 21
1:15 → 2:00 PM
free admission

Lunch time film & discussion **H₂O mx**

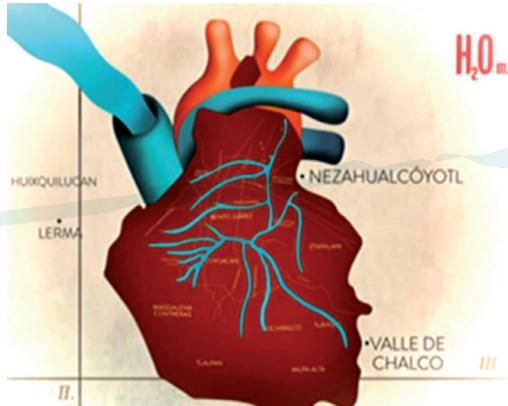
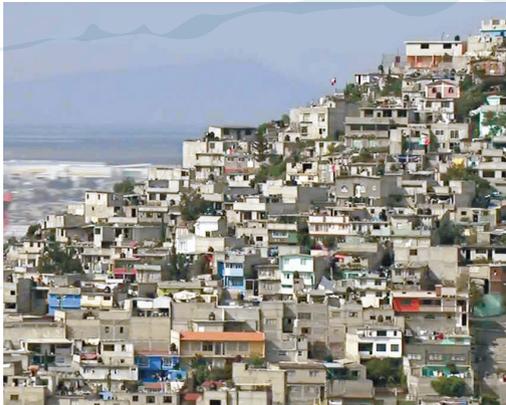
- videolink speaker: **Eugenio Barrios** – WWF Mexico, Director Water Program

H₂O mx uses Mexico City as an environmental case study to meticulously examine water shortage, waste and pollution —as well as their social consequences— through an examination of the geographical, political and economic challenges. Can a mega-city mobilize its 22 million citizens to become water sustainable?

Built on the basin of a great lake, Mexico City does not have its own water supply. Providing the city's citizens with fresh water from other regions and states each day —and caring for their sewage— is a herculean task. And with a deadline, that experts estimate to be five to ten years in the future, before a water disaster can push the city over the edge, **H₂O mx** makes an urgent call for committed action in order to solve the city's water woes as the city struggles to save itself even as its population grows daily.

Using a visually magnificent and urban panorama, it's an unsettling but beautiful watch as **H₂O mx** combines science, technology, infrastructure and policy discussions with personal stories, to show how everything is connected —and a city's water issues take meanings and shapes even beyond its borders— from dangerous detergent buildup in the clouds to farmers in Mezquital living off wastewater irrigation, to Chalco citizens fending off perennial floods.

Jose Cohen and Lorenzo Hagerman – Mexico, 2013, 82 min – English subtitles



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ThuleTuvalu

ThuleTuvalu chronicles the upheaval in the lives of people from different ends of the Earth who are increasingly bound together by the ongoing process of global warming.

Thule, a small town in northern Greenland, is the world's northernmost inhabited settlement. Tuvalu is one of the world's smallest island nations, covering 700 sq. km in the Pacific Ocean.

As the residents of Thule watch the arctic ice caps melt and their hunting grounds diminish, the people of Tuvalu cope with advancing sea levels and saltwater intrusion. They fear their island will sink into the sea. Older generations in both places want to stay and pass on survival skills to their children, but they realize that if temperatures continue to rise, they must adapt or leave.

Director Matthias von Gunten puts a human face to climate change, flooding and disaster management, connecting two communities confronted with the inescapable fact that they must change the very essence of their existences to survive.

Matthias von Gunten – Switzerland, 2014, 98 min – English subtitles



UNESCO-IHE
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students only (free),
followed by lunch

Workshop

Film, Scientific Visualizations & Water

Linda Lilienfeld – Director of Let's Talk About Water (letstalkaboutwater.com)
Role of historic film in water science

Lenneke Knoop – Business Development and Communication, The Water Channel (thewaterchannel.tv)
Role of short films and spots about water

Nick van de Giesen – Professor Water Management, TU Delft
EWater Cycle – Use of “film” as a communication tool during floods and for disaster risk management

William Veerbeek – Senior Researcher Flood Resilience Group, UNESCO-IHE
Flood resilience and challenges in urban flood management

Gennadii Donchyts – Senior Advisor/Research, Deltares
The power of dynamic earth surface water visualizations / simulation software tools

As a film and picture researcher for 40(!) years, specializing in science and history, Linda Lilienfeld believes in the power of an image to tell a story and move people. With climate change affecting weather patterns and sea level rise, the lives of many people are at risk. In the old days, film could be used for story telling or propaganda – to advise people about soil erosion due to flooding or the importance of the building of big dams. But we have entered a new era where the hydrologic images that can be created by computer technology are based on actual scientific computation and linked to “place” by GIS.

These new tools (experimental simulation software) collectively called “Dynamic Earth Surface Water Visualizations” can sometimes be 100 times faster and more detailed than existing models. For example “3Di area models can quite literally map out water flows and the effects of flooding, heavy precipitation and drought, which enables decision makers and civilians to visualize the impact of various climate scenarios and create solutions under extreme pressure.”

Quote from the **Deltares** brochure about San Francisco Bay – Delta Community Model:

“There is a need for open access, publicly available, integrated modeling platforms to facilitate and enhance interdisciplinary and interagency scientific communication, collaboration and understanding, to face developments due to climate change and management strategies.”

With this workshop (to be held in the international venue of UNESCO-IHE) there is an attempt to put these great accomplishments in the context of our mutual visual histories. Additional potential speakers are: **Rolf Hut** (TU Delft), **Fedor Baart** (Deltares, Tides of Alcatraz), **Jurjen Wagemaker** (FloodTags.com), **Kim Anema** (UNESCO-IHE, Flood Resilience), **Oliver Hoes** (3Di, TU Delft and Nelen & Schuurmans).

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The Great Flood

The Great Flood documents the catastrophic flood of April of 1927, when the Mississippi river broke out of its banks in 145 places and inundated 27,000 square miles to a depth of up to 30 feet. The Mississippi Flood of 1927 was one of the most destructive river floods in American history.

Part of this flood's enduring legacy was the mass exodus of displaced sharecroppers. Musically, the “Great Migration” of rural southern blacks to Northern cities saw the Delta Blues electrified and reinterpreted as the Chicago Blues, Rhythm and Blues, and Rock and Roll.

Using previously unseen outtakes from newsreel footage, minimal text and no spoken dialogue, filmmaker Bill Morrison reveals a society in the midst of a massive cultural, political and ecological upheaval. Guitarist Bill Frisell's score embodies the catastrophic events and serves as the emotional narrator of the film.

All film documenting this catastrophe was shot on volatile nitrate stock, and what footage remains is pock marked and partially deteriorated. The degraded filmstock figures prominently in Morrison's aesthetic with distorted images suggesting different planes of reality in the story – those lived, dreamt or remembered. We see the images through a prism of history, but one that dances with the sound of modern music.

Bill Morrison – USA, 2013, 78 min – English spoken, no subtitles

