

# US-NETHERLANDS CONNECTION



## WORKING GROUP/TASK FORCE ON WATER DATA AND DECISION MAKING IN MANAGEMENT, ADAPTATION & RESILIENCE

Details

Agenda

About FEF

### ABOUT THE PROGRAM

Florida Earth Foundation invites you to be a team member of 2016 USNC Pro. Set among the world's most advanced water infrastructure and management sites and connecting with the engineers, administrators and operators, this year's team will use the Digital Delta initiative as a case study and backdrop, as this team doubles as a Working Group/Task Force on Big Data and Decision Making in the water space. The Dutch have been working on water challenges for more than 1,000 years, and Recently the focus has shifted to climate adaptation and resilience. Explore this shifting mindset,

To register now, click the link in the top right corner or visit [www.floridaeearth.org/usncpro2016](http://www.floridaeearth.org/usncpro2016).

*"My experience at the US-Netherlands Connection coastal resilience professional program in 2014 was so rewarding, both in the material and the networking connections." - Jack Hampson vice president at Atkins Global*



### AT A GLANCE

**WHAT:** a working group/task force focusing on water data and decision making

**WHERE:** Delft, Netherlands

**WHEN:** May 9-13, 2016

**HOW MUCH:** \$500 to reserve a spot, \$2950 for the full program which includes hotel, most meals, in-country transportation and venue costs. Participant is responsible for airfare.

**WHAT ELSE:** Completely customizable



# PROGRAM DETAILS

The program is offered to all sectors and all fields for people interested in furthering their water governance and management knowledge. Florida Earth can also create a customized trip based on this seasoned model for specific organizations.

## VALUE-ADDED

- Collaborate and network
- Exchange information
- Reawaken innovation
- Explore the Dutch perspective
- Learn from a nation that has been working on water challenges for more than 1,000 years.
- Focus on adaptation and resilience
- Visit the UNESCO Institute for Water Education and meet the students and professors
- **Customizable program: for example, focus on resilience, or harnessing the power of Big Data.**

## HIGHLIGHTS

From the famous windmills of Kinderdijk to the world's largest moving structure, the Maeslant Barrier, explore engineering wonders and experience the charisma of ancient cities and the renewed focus on building with nature.

- Kinderdijk
- Oosterscheldt Barrier
- Futureland
- Maeslant Barrier
- UNESCO-IHE
- Kuerkenhof gardens
- Delft, Den Hague, Amsterdam
- Building with nature: Sand Engine, Room for the River

## RESERVE YOUR SPOT

A \$500 deposit will reserve your place for the 2016 program. The program will take place from May 9 to 13, 2016. Team members are responsible for transportation to and from the Netherlands and a program fee of \$2950, which covers the hotel in historic Delft, most meals, in-country transportation and venue costs.

Visit [www.floridaeearth.org/usncpro2016](http://www.floridaeearth.org/usncpro2016) or call the Florida Earth Office at (561) 281-5081.



ROTTERDAM



OOSTERSCHELDT  
BARRIER



MAESLANT BARRIER



KINDERDIJK





# THE 2016 USNC DETAILED AGENDA



**Saturday, May 7,** Amsterdam – Pick up team at Schiphol and Tour of Amsterdam. Late afternoon train to Delft. Check in hotel.

**Sunday, May 8,** Optional afternoon visit to [Keukenhof](#), the National Gardens of Holland.

**Monday, May 9,** UNESCO-IHE, [Delfland Water Authority](#) and The Hague

- 9:00 AM – Introduction and Orientation
- 9:30 AM – Welcome and Introduction to [UNESCO-IHE](#)
- 10:00 AM – The History of Dutch Water Management
- 11:00 AM – UNESCO-IHE's Work Around the World
- 12:00 PM – Lunch
- 1:00 PM – Introduction to Digital Delta initiative
- 2:00 PM – The Dutch Water Board System
- 3:00 PM – Rijkswaterstaat Basics and Role of Data
- 4:00 PM – Train to The Hague and a walking tour of Parliament, US Embassy, King's Palace
- 6:30 PM – Dinner on our own in The Hague

**Tuesday, May 10,** [Kinderdijk](#) and the Biesbosch National Park

- 9:00 AM Depart Delft
- 10:00 AM – Arrive at Kinderdijk
- 10:15 AM – Kinderdijk film in the Pumphouse
- 10:45 AM – The Story of Kinderdijk and Dutch Water
- 11:30 AM – Walking tour of Kinderdijk
- 12:30 PM Lunch at Grand Café Buena Vista
- 1:30 PM Leave for Biesbosch National Park
- 2:00 PM Room for the River and Decision Making
- 3:30 PM Boat Tour of the Biesbosch
- 5:00 PM Depart for Delft
- 6:00 PM Arrive at Delft. Dinner on your own

**Wednesday, May 11,** Province Zeeland

- 8:00 AM Depart Delft

- 9:45 AM Arrive [Watersnood Museum](#)

- 10:00 AM Welcome and Tour of the Watersnood

- 11:30 AM Tour of the Reinforcement Project Zuidhoek and Plompvoren

- 12:30 PM Drive to Oosterscheldt Barrier and Neeltje Jans

- 1:30 PM Lunch at the Top Huis

- 1:00 PM The Story of the [Oosterscheldt Barrier](#)

- 2:30 PM Decision Making and Tour of the Barrier

- 4:00 PM Leave Barrier

- 6:00 PM Arrive back in Delft

**Thursday, May 12,** Rotterdam and Hoek van Holland

- 9:00 PM Depart Delft

- 10:00 PM Arrive at [Futureland](#)

- 10:30 AM Creating Maasvlakte 2

- 12:00 PM Lunch

- 12:45 PM Drive to the Fast Ferry. Trip across the Nieuwe Waterweg

- 1:30 PM Arrive at the [Maeslant Barrier](#), the world's largest moving object

- 3:30 PM Depart the Maeslantkeringhuis

- 4:00 PM Arrive at the Sand Motor Project

- 5:00 PM Depart for Delft

- 5:30 PM Arrive Delft

**Friday, May 13,** [Deltares](#) in South Delft

- 9:00 AM Depart for Deltares

- 9:15 AM Arrive at Deltares

- 9:30 AM Deltares Decision Making Tools

- 11:30 AM Tour of the Modeling Center

- 12:30 PM Lunch at Deltares Café

- 1:30 PM Adjourn and back to Delft

- 1:45 PM Free time to explore, shop or rest

- 4:30 PM Closing session and debrief



# AGENDA CONTINUED



This year's program starts on Monday the 9th of May at UNESCO-IHE, the largest international graduate water education facility in the world, located in Delft. After the introduction, participants spend the afternoon at Rijkswaterstaat in The Hague. This national agency, part of the Dutch Ministry of Infrastructure and the Environment, is responsible for the execution of the public works and water management, including the construction and maintenance of waterways and roads, and flood protection and prevention (the Dutch equivalent of the U.S. Army Corps of Engineers). At the end of the day, participants get the chance to explore The Hague with Stan Bronson.

The program on Tuesday is focused on the Province of Zeeland, a province of which large parts are below sea level. In the morning we will visit the Watersnood museum (the Flood Museum) where we will learn about the 1953 North Sea Flood and talk to Ria Geluk, the founder of the museum, who was six when the storm engulfed Capelle, the hamlet where she lived. We will also visit Neeltje Jans (Delta Works; one of ASCE's 7 world wonders) where we will have a guided tour through the inside of the Stormsurge Barrier Oosterschelde and be given a presentation on its construction.

On Wednesday we will visit Kinderdijk, a small village situated in a polder at the confluence of two rivers, which harbors the largest concentration of old windmills in the Netherlands. To drain the polder, a system of 19 windmills was built around 1740. After an introduction at the visitor center, a local expert will give us a tour of the site, and participants will be able to visit one of the windmills. After lunch, we will continue the program at the Biesbosch museum where we will discuss the Room for the River program. The Biesbosch is a national park, and one of the few remaining fresh-water tidal areas in Europe. The Room for the River program aims to give the river more room to be able to manage higher water levels. After the introduction, we will be joined by Pim Nijssen, a management consultant of Twynstra Gudde with extensive experience with stakeholder management and collaboration strategies related to water management. Before we leave, we will go on a boat tour of the national park.

On Thursday we will visit FutureLand at Maasvlakte II, an information center on the extension of the Port of Rotterdam. We will then take a ferry across the water, to visit the Maeslant Storm Surge Barrier (Keringhuis). A professional guide will talk about Flood Risk Management in the Netherlands, from the 1953 Flood Disaster to the Delta Works and the latest developments. After this, we'll visit the Maeslant Storm Surge Barrier itself. We will then travel to the city of Rotterdam, for a presentation by Arnoud Molenaar, Program Manager of the Rotterdam Climate Proof Program on 'Rotterdam and Climate Change'.

On Friday we will visit Deltares, an independent, institute for applied research in the field of water, subsurface and infrastructure. They are known for innovative and pioneering projects on coast and sea, rivers, lakes and groundwater, soils and subsurface, policy and planning. Friday afternoon we will have the evaluation session and a few hours of free time. Friday evening is a dinner at a medieval dinner theater called Straatskerk de Mol.

## OUR PARTNERS



Rijkswaterstaat



UNESCO-IHE  
Institute for Water Education





# WHY SHOULD YOU JOIN A TEAM?

## LEARN

Study the history and future of water governance, and engineering.

Explore centuries old water governance standards and strategies that have constantly been refined to suit modern needs. You will learn how the Dutch maintain a safe society in a country that is largely under sea level by visiting Water Boards, speaking with engineers, listening to renowned water experts, and visiting with survivors of the infamous 1953 Flood that killed thousands of people and reawakened the drive to protect communities.

## CONTRIBUTE

Gain perspective, leadership, and communication skills.

Unlike past USNC Pro teams, 2016 will have outcomes and products that will be:

1. A report on criteria for what is meaningful for decision makers having to deal with mountains of data.
2. A format for international collaboration on data synthesis and analysis
3. Part of the team will potentially be asked to participate in a continuation of these discussions with a European Commission.

*"There are lessons to be learned from the expertise here, and from the different perspectives of other team members. The more I understand, the better I can explain water issues to my students." - Tom Frazer, director of the School of Natural Resources and Environment at the University of Florida*

## NETWORK

Expand your network and foster lasting connections.

Along with learning from the best in water management, you will have the opportunity to network with team-members and local professionals. Many past participants have formed lasting collaboratives after USNC connected them.

*"Not only have I met experts that I can work with and call on when needed, but I've gained new perspective; the Dutch are incredibly innovative and persistent." - Meg Whitmer, landscape architect & 2015 participant.*

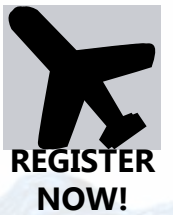


*"In my work with indigenous people I often have to sit down with different stakeholders, and seeing how the Dutch developed a process to address significant issues has been very instructive and applicable to my work." - James Charles, Lewis, Longman & Walker*



# ABOUT FLORIDA EARTH

Bringing people together through education, outreach & facilitation



## WHO WE ARE

Florida Earth Foundation is a public-private partnership composed of over 120 partners in the industry, academia, government, and nonprofit sectors. We are about connecting people together and collaborating as a community of science, engineering, policy, and other multi-discipline experts who have a desire to solve problems.

### VISION

Through unbiased world class education and collaborative problem solving, FEF connects the domestic and international community of water experts, policy makers, students and stakeholders to exchange knowledge and develop solutions for the benefit of a sustainable Florida, nation and globe.

## WHAT WE DO

Florida Earth offers a suite of services. The central theme of all Florida Earth is to provide programs that enable participants and partners in developing and implementing solutions to challenges in the water space.

### NOTABLE PROGRAMS

- USNC Program
- UNESCO-IHE Florida Program
- Law School Program
- Florida Earth Modules



## EXECUTIVE DIRECTOR

### STAN BRONSON

Stan Bronson is a seventh generation Floridian, born in Orlando. Spending most of his career in the citrus industry, 14 years of which was COO of a large citrus operation, in 1999 he joined the extension faculty of the University of Florida, developing a natural resources education program for South Florida ecosystem restoration initiatives. That program evolved into the Florida Earth Foundation in 2002. Coming from a ranching family who supplied the land for Walt Disney World in the 1960's, Stan's love of the land has always been an inspiration.



Visit [WWW.FLORIDAEARTH.ORG](http://WWW.FLORIDAEARTH.ORG) For more info.

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