

**The Florida-UNESCO-IHE  
Hydroinformatics Program:  
Using the Everglades as a Laboratory for Learning**

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# About UNESCO-IHE

## “The Institute for Water Education”

- Located in Delft, the Netherlands
- Type 1 UNESCO Center as a JV with Netherlands
  - MSc and PhD degrees in Water Disciplines
  - Designed to benefit developing countries
- Approximately 220 Masters and 150 PhD candidates
- Approximately 120 countries

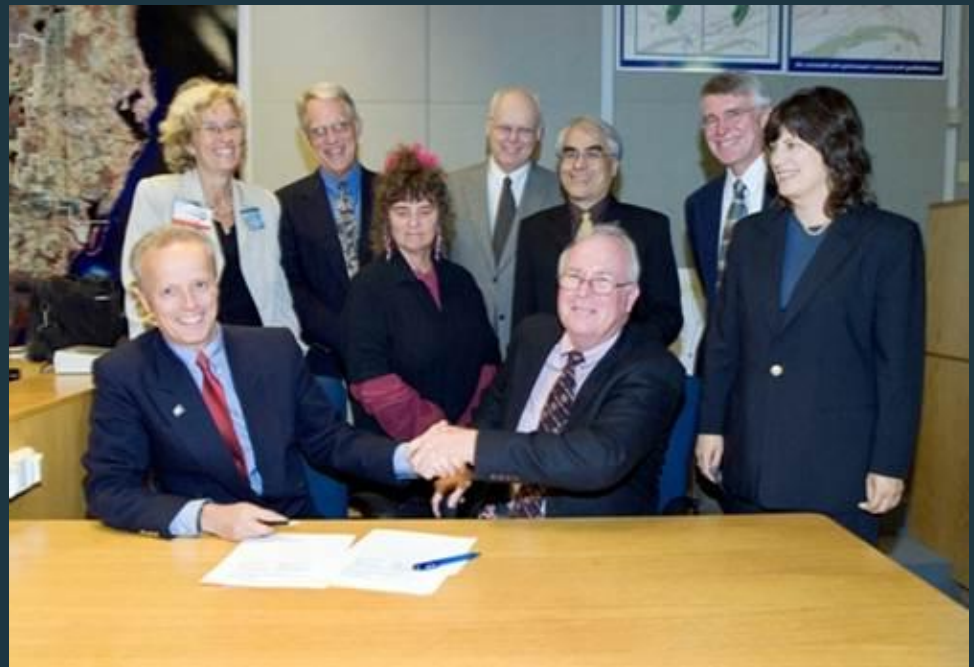


# UNESCO-IHE Hydroinformatics

- The overall theme of Hydroinformatics concerns the use of information and communication technologies (ICTs) and modeling, and their application for resolving water-related problems in civil engineering, and information systems for integrated water management.
- The main areas of application are flood and river basin management, urban and coastal systems
- 9 professors, 27 MSc Students, 13 PhD candidates

# UNESCO-IHE/Florida Earth Partnership

- Begun in 2005
- Over 110 alumni
- Student now professor, Dr. Leonardo Alfonso
- MOU based



Signing of UNESCO-IHE/Florida Earth MOU in March 2005

# Partners



UNESCO-IHE  
Institute for Water Education



Kingdom of the Netherlands



Southwest Florida  
Water Management District

WATERMATTERS.ORG · 1-800-423-1476

# 2012 Hydroinformatics Students



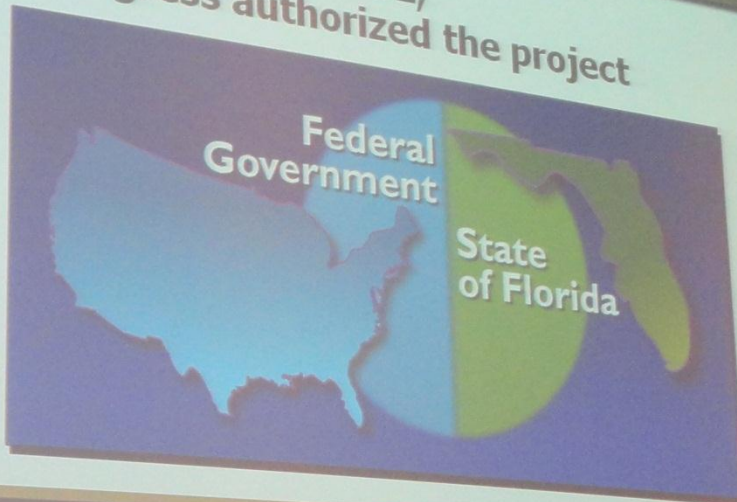
# 2012 Schedule

- May 21 & 22 – Lectures in Delft by Bronson, Redfield and Goforth
- May 24 & 25 – Tampa Bay area w/ USF Patel Center
- May 28 – Everglades National Park
- May 29 – June 1 – SFWMD Modeling Center
- June 2 – Kennedy Space Center
- June 4 – Kissimmee River at Riverwoods Lab
- June 5 & 6 – INTECOL Wetlands Conference

# Kissimmee River Restoration



In 1992,  
Congress authorized the project



[sfwmd.gov](http://sfwmd.gov)



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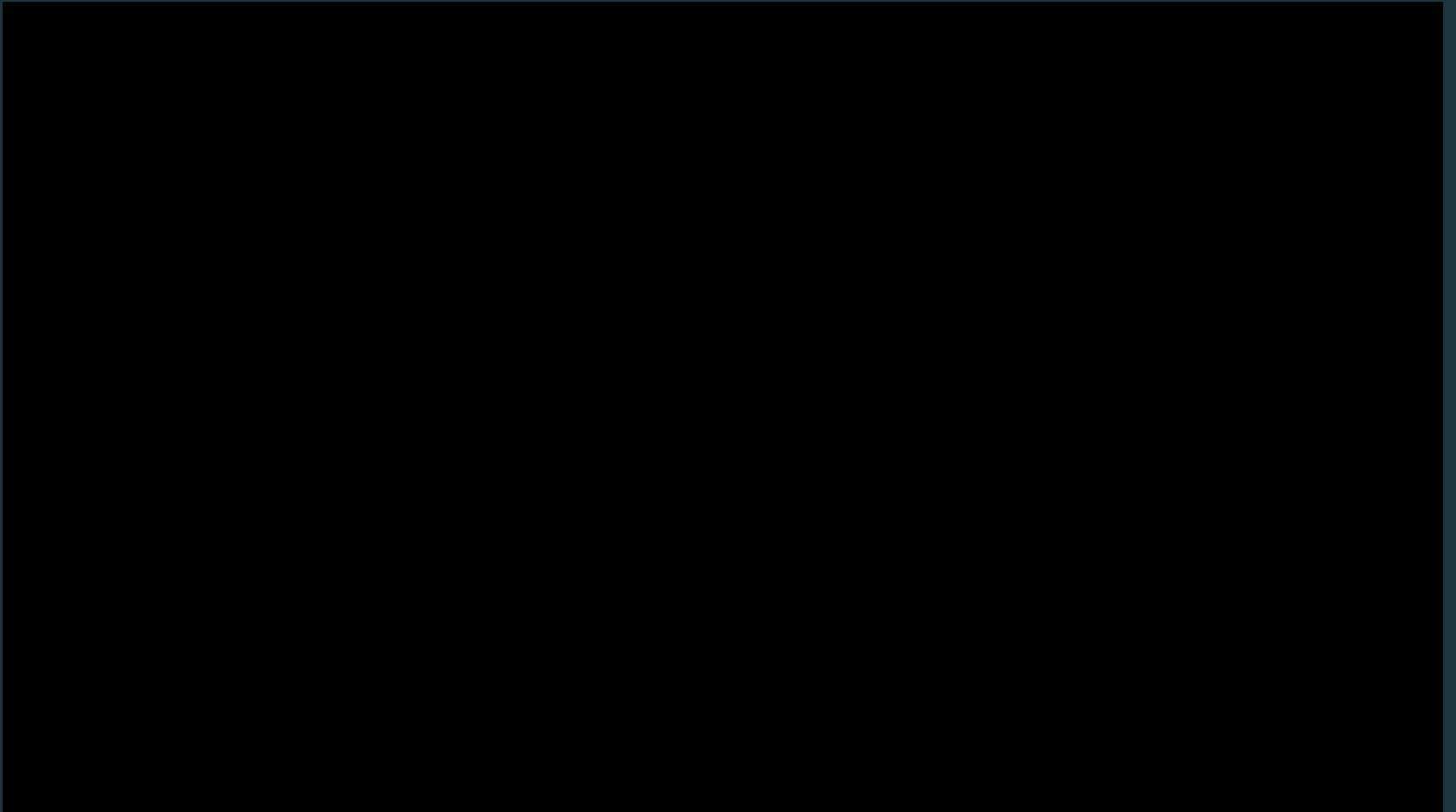
# Everglades National Park



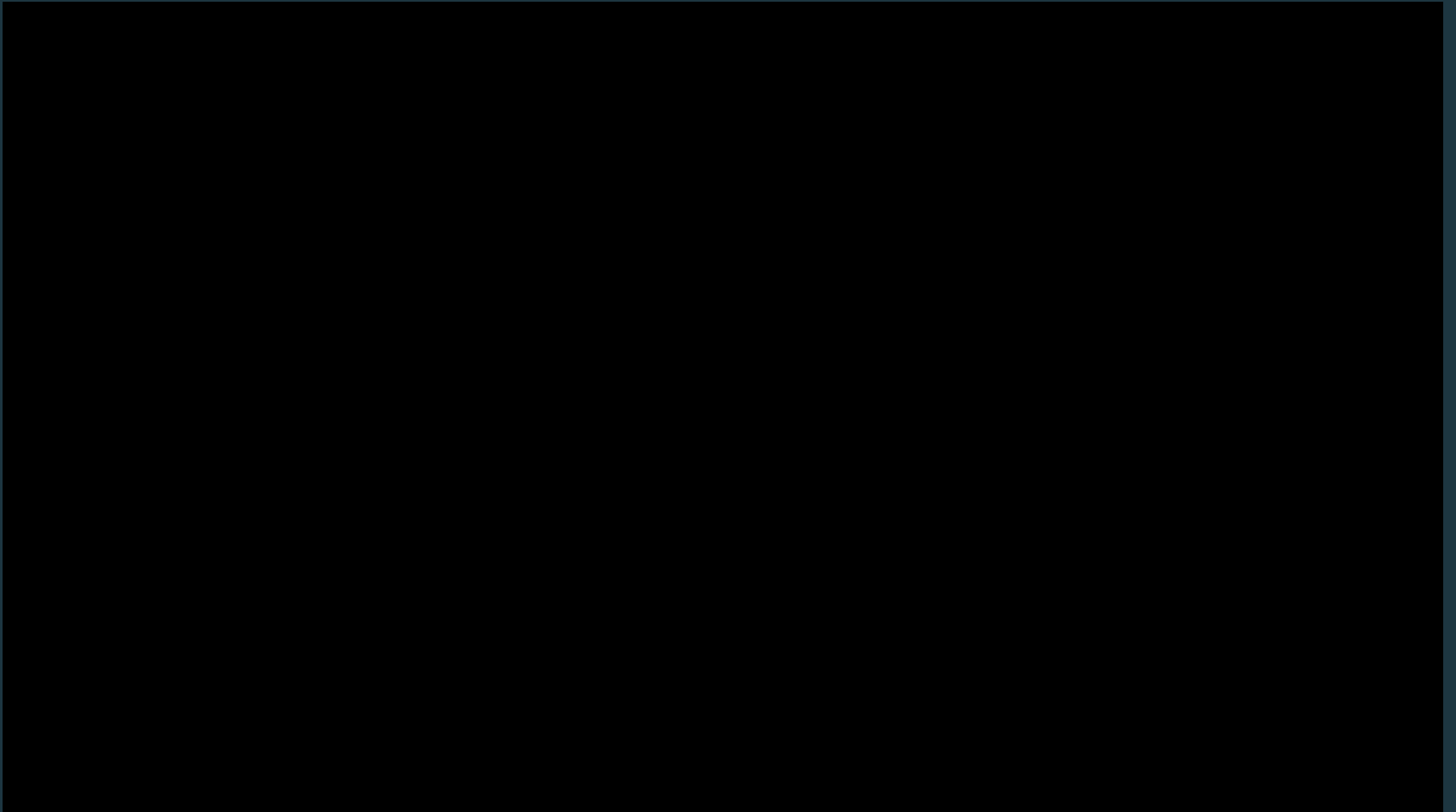
# SFWMD

- Kissimmee River, Lake Okeechobee, 2X2 and RSM Models
- Relating models to management
- Transfer of knowledge to home country application

# Kissimmee River



# Kissimmee River



# Water Ambassadors 2012

- Companies, organizations, individuals can “adopt” a student as their Water Ambassador
- Water Ambassadors are from June 2012 until May 2013
- Picture and bio of Water Ambassador is for the use of adopting organization
- Connection with the student encouraged
- Sponsorship is \$1000
- See <http://floridaearth.org/ihestudents2012>

# Spin-off Programs

- US-Netherlands Connection Program
  - Delegations to the Netherlands as knowledge exchange on water resources and adaptation
  - Begun in 2005
  - Congressional report to House subcommittee
- Comparative Water Law Course for US Law Schools
  - St. Thomas, Barry, Ave Maria Schools of Law
  - Expansion in 2013
- Next: PhD candidate knowledge exchange program
  - Top ten or so university institutes in US
  - Counterparts in the Netherlands
  - Focus on Water and Climate Adaptation

# Florida Earth Foundation

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