

# Implications of Cross Border Governance in the European Union on Water Mangement in the Netherlands

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## Background on FL water

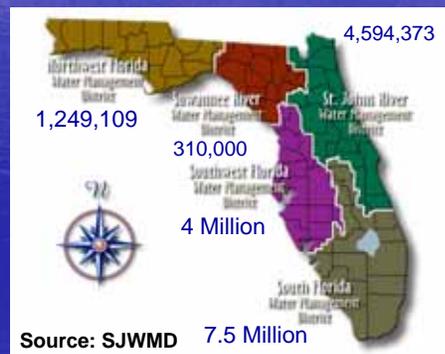
- Hurricanes/ Storms
- Scarce Resource
- Recent events
- There are many hydrologic differences within Florida.



## Background: Florida's Water Management Districts

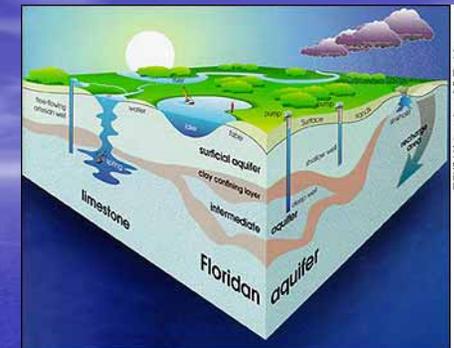
- Divided by watershed boundaries and begun by unique water concerns throughout the state
- Most precipitation comes in June, July, August, and September
- Excess Surface water
- Salt water intrusion, ecosystem restoration
- Services: Monitoring programs, ecotourism projects, conservation and preservation, monitoring programs
- Extremes: flooding vs drought, open land vs crowded cities

Boundaries of Water Management Districts and their respective populations.



## The Aquifers

- Underground aquifers provide 90% of the drinking water and half of the water needed for agricultural needs ([www.waterencyclopedia.com](http://www.waterencyclopedia.com))
- The northern portion of the peninsula has the largest collection of springs in the U.S.



Source: SWFWMD

## The Water Framework Directive (WFD)

- The WFD requires “good water status” for all European waters by 2015, to be achieved through a system of participatory river basin management planning and supported by several assessments and extensive monitoring.
- Water bodies include coastal waters within 1 km of shore as well as inland water bodies.
- Aimed at enhancing quantitative and qualitative characteristics.



## Possible Research Questions

- How does the Water Framework Directive (WFD) of the EU affect the Netherlands in providing and managing water for its residents?
- Do policies promote water management or hinder its availability?
- Does it help neighboring countries manage shared water sources better?

## Data Sources

### Qualitative

- Interviews with officials
- Surveys (?)
- Visible inspection of water sources-aesthetics



### Quantitative

- Water outputs over time
- Statistical analysis
- GIS analysis: Analyze changes since WFD inception.

## Results & Analysis



Goal is to have GIS analysis of some component of research question as well as policy analysis.

# CONCLUSION



Hope to draw conclusions on ways to improve relations and techniques for water management and compare to those done in Florida/U.S.