

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

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Background on FL water

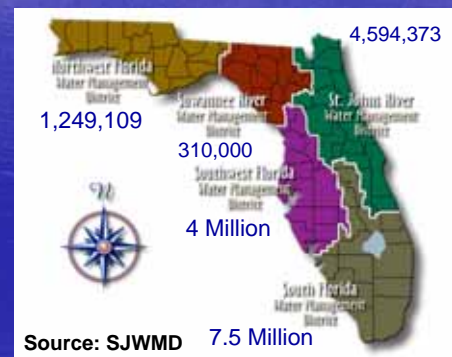
- Hurricanes/ Storms
- Scarce Resource
- Recent events
- There are many hydrologic differences within Florida.



Background: Florida's Water Management Districts

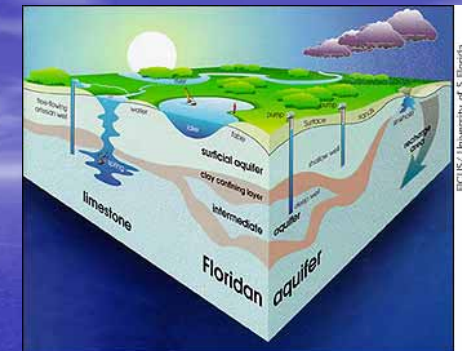
- Divided by watershed boundaries and begun by unique water concerns throughout the state
- Most precipitation comes in June, July, August, and September
- Excess Surface water
- Salt water intrusion, ecosystem restoration
- Services: Monitoring programs, ecotourism projects, conservation and preservation, 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)
- 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.