

Developing the Environmental Component of the Delaware S&T Plan

Building from the DE EPSCoR RII Program

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Investing in Science for Environmental Sustainability

Delaware Issues:

**Air, Water, Soil
Quality and Impact
on Human Health**

e.g. DE cancer clusters

**Environmental Protection
for Economic Development**

e.g. wetlands buffers, brownfields

**Preserving Fragile
Ecosystems for future
Generations**

*e.g. Sprawl/ nutrient run-off, marsh
dieback, invasives*

Issues well defined

**Connectivity to underpinning
science often missing**

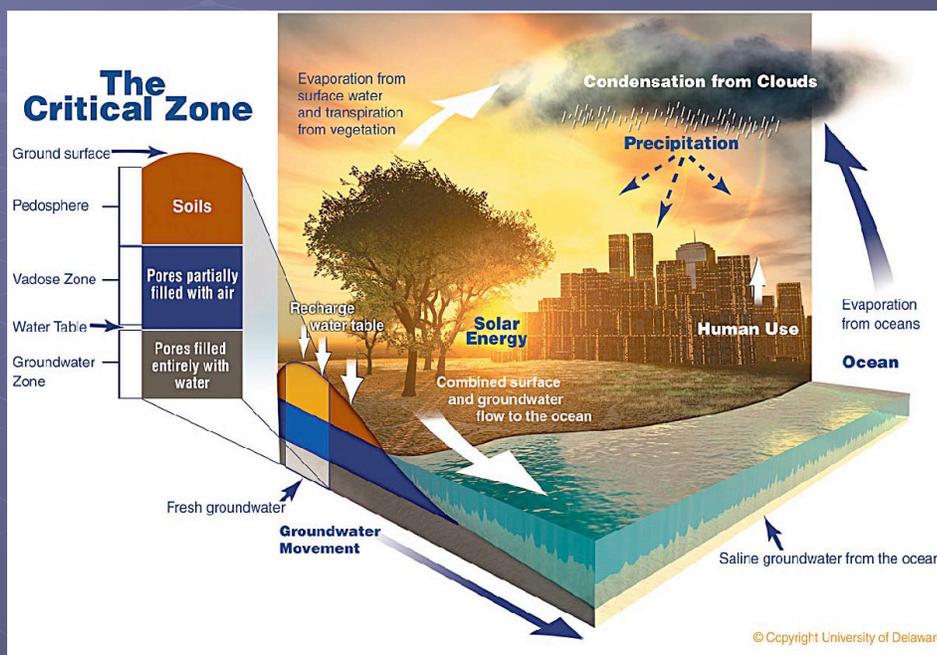
NSF EPSCoR Research Infrastructure Improvement Program (RII - 2)

- ❑ Builds research and education infrastructure to enhance environmental science and its application in DE
- ❑ Statewide partnership among UD, DSU, DTCC and Wesley College
- ❑ Anticipate Award June-July 2008
- ❑ \$20 million over five years (\$3M/yr NSF; \$1M/yr DE)

Includes a very significant effort to connect basic research to Delaware's Environmental Issues

Builds on the new Center for Critical Zone Research and aligned with UD strategy to create a DE Institute for the Environment

The Research and Education Focus is on the Critical Zone



Key Connectivity Features

- Build Stakeholders Network – Fall 2008

(e.g. DNREC, DDA, EPA, Inland Bays, Partnership for DE Estuary, DNS, private industry, etc..)

- Develop a process capability to translate basic academic research to Delaware problems – Prototype by 4Q 2008 *(the EPSCoR Integrative Process)*

- Develop Environmental Section of State S&T Plan – Draft 1Q 2009

- ***Establish subcommittee from Stakeholders network***