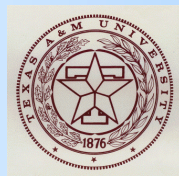


The Challenge of Monitoring and Verification



Land-based credits are Non-point in nature

- Addressing Non-point pollution remains one of the most difficult challenges in environmental policy.
 - Loads and changes in loads cannot be monitored
 - Uncertainty is pervasive due to both natural variation and unobserved behavior
 - Incentives to implement verifiable practices can introduce inefficiencies



Transferable credits do not overcome the non-point problem

- Credits must be given for something that is real and verifiable
- In both water quality and carbon sequestration programs credits are typically granted for practice changes, not measured environmental changes.
- How can a credit system be designed that will work in a non-point environment without introducing significant inefficiencies?



Credits must be verifiable

- No matter how credits are defined, their value depends on certainty that are real.
- Liability might be borne by the buyer or the seller. This will determine who monitors whom.



Our Speakers

- **Dr. Dennis King** is a Professor at the University at the University of Maryland and President of King and Associates, a consulting firm specializing in integrated environmental, economic, and risk analysis. He has developed several widely used analytical tools for assessing and comparing ecosystem services and values, and for debiting and crediting environmental mitigation trades. Most recently he has been developing applications of science-based methods for ranking investments and "scoring" trades involving water quality and water quality, carbon sequestration, wetlands, and wildlife habitats.
- **Dr. Gordon Smith** is the EcoLands Director of Environmental Resources Trust, where he has worked with landowners to implement land management practices that sequester carbon, quantify and sell carbon sequestration, as well as identifying other opportunities to enhance and exchange rights to other ecological benefits provided by forests. He has a Ph.D. in forest management from the University of Washington, a Master in Public Policy from Harvard University.

