



Presenter

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Efficient and Equitable Allocation of Greenhouse Gas Reduction Tasks in North Carolina

Resilient adaptation to climate change requires both efficient and equitable governance decisions. Efficient decision-making implies that society does not waste resources allocated to climate adaptation, ensuring that we get the most "adaptation bang for the buck." However, efficiency alone will not achieve resilience if political conflict results in gridlock. Governance decisions must also be equitable in order to achieve political buy-in. Sperner's Lemma can be used to derive practical algorithms for identifying efficient and equitable (i.e., non-envious) distributions of costly tasks among stakeholders. This presentation will describe a policy process based on the public choice theory of "fair division" that identifies the efficient and equitable allocation of greenhouse gas reduction targets among a set of industrial and utility stakeholders. The process is explained and applied using a simple example.