

## **Atlantic Climate Change Conference 2008**

### **Incorporating Climate Change Adaptation into Design, Development, and Management Decision Making**

March 06, 2008 Afternoon Workshop

This workshop is intended to be an extended, hands-on, example scenario application of the themes presented in the conference presentation of the same name. This workshop discusses some decision making tool documents. Particular emphasis is placed on practical approaches and limitations for infrastructure decision makers - designers, owners, managers, planners, insurers, and those having financial responsibilities.

A breakdown is made of the components of an evaluation of the relationship between the infrastructure of interest, the relevant climate and other changes, and the most relevant performance criteria during the infrastructure life cycle. An approach is presented for prioritizing the order in which numerous potential relationships are further evaluated. The sources, availability, and relative cost of desired information is discussed.

Considerations are made for socio-economic, bio-physical, and financial-monetary type impacts. Qualitative and quantitative types of evaluations are reviewed, and where applicable, so are vulnerability and adaptive capacity calculations. An approach is presented for prioritizing the order in which climate change adaptation options are evaluated - between different types of infrastructure, and between multiple examples of similar infrastructure.

A risk management type of approach is presented for climate change evaluation recommendations for information actions, for management actions, for corrective actions, and for circumstances that may require no further action.

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