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DISCIPLINES: Management Science

KEYWORDS:



RESEARCH INTERESTS:

According to the Intergovernmental Panel on Climate Change report in 2007, adaptation to climate change is defined as: “An adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities.”(IPCC 2007)

The impacts of the changing climate from increased frequency and severity of extreme events (sea level rise, flood, extreme heat weather, or coastal storm surge) affect municipalities especially in coastal areas. Coastal communities have to prepare themselves by designing and developing plans to reduce their future climate change risks.

Ilghelich’s research develops a framework through the scientific methods of problem solving for the systems analysis of adaptation options for coastal communities with regards to environmental changes.

This framework analyzes current adaptation protocols used by different coastal communities worldwide. The objective of this study will be the design and development of a new framework for the analysis and performance of adaptation strategies for different coastal communities in Canada and the Caribbean with different vulnerabilities, with respect to social, cultural, economical, and environmental dimensions. Evaluation of alternative adaptation strategies contributes to good decision making in the application of the adaptation protocol in their community.

BIOGRAPHY:

Ilghelich graduated with a B.Sc. in Industrial Engineering from Iran Azad University in 2005. He worked for two years as a business consultant in Tehran, Iran, then decided to move to Malaysia in 2007 to finish his MBA at the Graduate School of Management (GSM), University Putra Malaysia. After graduating in July 2009, he moved back to Tehran to join the Danone Group marketing team. Ilghelich moved to Canada in 2010, and is currently pursuing his Masters of Systems Science at the University of Ottawa, and doing his research thesis as part of the C-Change - ICURA project.