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DISCIPLINES: Process Modeling, Data management, System design

KEYWORDS: Adaptation framework, Action planning, Community level implementation



RESEARCH INTERESTS:

As the impacts of climate change become more severe, coastal communities are required to prepare plans for adaptation to the invasive environmental changes. A well-prepared adaptation plan can effectively reduce the overall risks of coastal communities. However, a plan is not the final solution for the climate change on coastal communities. How to take the plan into action and implementation at the local level and find the opportunities for the enhanced preparedness and development of coastal communities is the primary consideration of this proposed research. Many organizations are engaged in developing adaptation tools and guidebooks. For completing the adaptation processes provided by organizations, communities should not only think about finishing the processes, but also should actually take them into action and discover the opportunities to develop the sustainability of coastal communities. To make coastal communities more sustainable in the face of the changing climate, the public's attention and community participation is critical. The purpose of this study is to develop a framework for coastal communities to implement adaptation action plans and at the same time, provide the general public with an enhanced understanding about what is being done for the climate change around them.

BIOGRAPHY:

Mingliang graduated in 2009 from Liaoning Economic and International Business University in Dalian, China with a bachelor degree of science in Information Technology. He went to Canada in 2010 and lived in Guelph for one year and moved to Ottawa in 2011 to be a graduate student in System Science at the University of Ottawa. Recently, he is working on the Coastal Community Climate Change Adaptation Framework Development and Action Plan Implementation under the supervision of Professor Daniel Lane as a part of the C-Change ICURA project.