



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

Clarke Fellowship 2012 (2012)

Status: **Project Manager:**

In Progress [Michael Deegan](#)

Purpose: The Frederick J. Clarke Visiting Scholar Program was established in 2009 to provide scholars with the opportunity to help advise the Corps on important policy issues related to its environmental mission. The Corps of Engineers plays an increasingly important role in many of the most profound environmental issues faced by our nation's water resources. To continue to be effective in its mission, the Corps will need the advice of our nation's brightest scholars to ensure that these environmental issues are tackled with the utmost skill and understanding. Clarke Fellowships will therefore be awarded to researchers who have demonstrated scholarship in the areas of environmental quality and policy analysis in water resources planning.

Objective: The 2012 Clarke Fellow, Todd Bendor, will use a system dynamics approach to identify climate scenarios for flood risk management strategies in two flood-prone communities.

Benefits: The Clarke Fellow will benefit by conducting case studies and producing journal articles for his tenure review. The results of the study will benefit the Response to Climate Change Program. The system dynamics model identified in Todd's study will allow IWR to test flood risk management scenarios under various climate change scenarios.

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