

Environment Systems & Decisions

Volume 34 · Number 4 · December 2014

Special Issue: Climate and Energy Decision Making Under Uncertainty

Guest Editors: Gregory A. Kiker · Inês Azevedo

EDITORIAL

Tools and strategies for climate change decision making

Z.A. Collier · I. Linkov · J.H. Lambert 471

PERSPECTIVES

Out of the Land of Oz: the importance of tackling wicked environmental problems without taming them

C.H. Stahl 473

When decision-making processes fail: an argument for robust climate adaptation planning in the face of uncertainty

A. Styczynski · J. Wolf · S. Tah · A. Bose 478

ORIGINAL PAPERS

Analysis of drought risk management strategies using dynamic inoperability input–output modeling and event tree analysis

J.R. Santos · S.T. Pagsuyoin · L.C. Herrera · R.R. Tan · K.D. Yu 492

***Acclimate*—a model for economic damage propagation.**

Part I: basic formulation of damage transfer within a global supply network and damage conserving dynamics

R. Bierkandt · L. Wenz · S.N. Willner · A. Levermann 507

***Acclimate*—a model for economic damage propagation.**

Part II: a dynamic formulation of the backward effects of disaster-induced production failures in the global supply network

L. Wenz · S.N. Willner · R. Bierkandt · A. Levermann 525

Climate and other scenarios disrupt priorities in several management perspectives

H. You · E.B. Connelly · J.H. Lambert · A.F. Clarens 540

Spatial interpolation of climatic variables in a predominantly arid region with complex topography
K. Ahmed · S. Shahid · S.B. Harun 555

Potential effects of climate change on global security
D.J. Wuebbles · A. Chitkara · C. Matheny 564

Ten strategies to systematically exploit all options to cope with anthropogenic climate change
F. Hoss · K. Klima · P. Fischbeck 578

Public perceptions of local flood risk and the role of climate change
W. Bruine de Bruin · G. Wong-Parodi · M.G. Morgan 591

Adaptation decision-making in the Nordic countries: assessing the potential for joint action
S. Juhola · M.E. Goodsite · M. Davis · R.J.T. Klein · B. Davíðsdóttir · R. Atlason · M. Landauer · B.-O. Linnér · T.-S. Neset · E. Glaas · G. Eskeland · A. Gammelgaard Ballantyne 600