

JOURNAL OF BENEFIT-COST ANALYSIS

EDITOR-IN-CHIEF

Glenn Blomquist, *University of Kentucky, USA*

Bill Hoyt, *University of Kentucky, USA*

MANAGING EDITOR

Mary Kokoski

DE GRUYTER

Journal of Benefit-Cost Analysis (JBCA) seeks to improve the analytical practice of benefit-cost analysis and to expand scholarly knowledge. Its scope includes topics in social policy such as education, crime, poverty, and employment; as well as in environment, health, energy, natural hazards, terrorism, defense, and other areas to which benefit-cost analysis and related tools can be applied. Articles that skillfully apply benefit-cost tools are especially encouraged as are theoretical papers with some link to empirical application. All levels of analysis are sought: international, national, state, regional, and local. Authors focusing on principles and standards, reviews of areas of application, and shorter pieces that demonstrate implementable „skills of the trade“, are also encouraged but they should contact the Editor at JBCA@umbc.edu prior to submission.

ABSTRACTED/INDEXED IN EconLit, OCLC: WorldCat, Research Papers in Economics (RePEc).

ISSN 2194-5888 · e-ISSN 2152-2812

All information regarding notes for contributors, subscriptions, Open Access, back volumes and orders is available online at <http://www.degruyter.com/jbca>.

RESPONSIBLE EDITORS Glenn C. Blomquist and William H. Hoyt , University of Kentucky, USA,
Email: JBCA@uky.edu

JOURNAL MANAGER Holger Kleessen, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany. Tel.: +49 (0)30 260 05 – 376, Fax: +49 (0)30 260 05 – 250,
Email: holger.kleessen@degruyter.com

RESPONSIBLE FOR ADVERTISEMENTS Claudia Neumann, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany. Tel.: +49 (0)30 260 05-226, Fax: +49 (0)30 260 05-322,
Email: anzeigen@degruyter.com

TYPESETTING Compuscript Ltd, Shannon, Ireland

PRINTING Franz X. Stückle Druck und Verlag e.K., Ettenheim

© 2014 Walter de Gruyter GmbH, Berlin / Munich/Boston

Printed in Germany



Contents

Special Issue: Perspectives on Implementing Benefit-Cost Analysis in Climate Assessment

Guest Editor: Fran Sussman, Coordinating editor: William H. Hoyt

Fran Sussman, Anne Grambsch, Jia Li and Christopher P. Weaver

Introduction to a special issue entitled *Perspectives on Implementing Benefit-Cost Analysis in Climate Assessment* — 333

Fran Sussman, Christopher P. Weaver and Anne Grambsch

Challenges in applying the paradigm of welfare economics to climate change — 347

John Weyant

Integrated assessment of climate change: state of the literature — 377

James E. Neumann and Kenneth Strzepek

State of the literature on the economic impacts of climate change in the United States — 411

Jia Li, Michael Mullan and Jennifer Helgeson

Improving the practice of economic analysis of climate change adaptation — 445

Michael Toman

The need for multiple types of information to inform climate change assessment — 469

Robert J. Lempert

Embedding (some) benefit-cost concepts into decision support processes with deep uncertainty — 487