



Latest Research on Environmental Impact from WIT Press

Following is information on a conference proceedings just published by WIT Press that we believe will interest readers of *R N I U*, especially as it contains contributions from Mexican researchers:

Monitoring ecosystem health of the Terminos Lagoon region using heavy metals as environmental indicators

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The application of a new air pollution management program (PROAIR) in Mexicali 2011-2020, Baja California, Mexico

M. Quintero-Núñez, O. R. García-Cueto, S. Ojeda-Benítez & N. Velázquez-Limón, Instituto de Ingeniería, Universidad Autónoma de Baja California, B.C., México

If you would like more information about the book, or cover art, please let me know.

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WIT Press USA

Environmental Impact

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C. A. BREBBIA, Wessex Institute of Technology,
Southampton, UK

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Environmental Impact contains most of the papers presented at the First International Conference on Environmental and Economic Impact on Sustainable Development incorporating Environmental Economics

Toxicology and Brownfields, organized by the Wessex Institute of Technology and held in South Korea in 2012.

The interdisciplinary conference addressed some of the most serious problems affecting sustainable development, issues that must be considered by development projects in order to provide complete solutions. A major motivation for the meeting was to learn from past failures and avoid repeating similar mistakes while attempting to prevent emerging threats to the environmental and ecological systems by developing more constructive and progressive approaches to ensure sustainability. The papers included in the book address these concerns.

Conference participants discussed how to assess the impact of economic constraints on the environment, considering the social aspects as well as any resulting environmental damage. They agreed that the overuse of natural resources and the resulting pollution of the environment need to be understood in financial terms.

Uncontrolled development can result in damage to the environment in terms of the release of toxic substances and hazardous waste. The increasing number of new chemical compounds poses major challenges to the environment since it is difficult in many cases to predict their effects and take appropriate decisions. Their economic impact can be particularly challenging.

The participants also examined issues related to whether some forms of development are compatible with environmental protection, particularly in cases of possible serious contamination and toxicity. The book deals with what decisions can be taken in the case of existing contaminated brownfields, drawing on past experience. The demand for developed land has led to the reuse of properties that have been abandoned for a variety of reasons. Many of them are brownfields sites that have deteriorated in various ways, including by contamination. These sites are usually a burden in terms of economic losses and seriously damage the quality of life of entire neighborhoods. Rehabilitation of brownfields can be an expensive undertaking and require not only technical solutions but the involvement of financial, regulatory, and community stakeholders. Fundamental to this premise is the analysis of the risks involved and the development of appropriate strategies.

Environmental Impact is Volume 162 in the WIT Transactions on Ecology and the Environment. Abstracts and Open Access papers (free) and full text (\$30 per paper) of individual papers in the book are available through the electronic edition of the Transactions at <http://library.witpress.com>.

Audience:

Researchers , planner, economists, and others in academia, government and industry who are concerned with sustainable development.

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