Greening in the Red Zone
Disaster, Resilience and Community Greening

Access to green space and the act of creating green spaces is well understood to promote human health, especially in therapeutic contexts among individuals suffering traumatic events. Less well understood, though currently being studied, is the role of access to green space and the act of creating and caring for it in promoting neighborhood health and well being as related to social-ecological system resilience.

An important implication of Greening in the Red Zone lies in specific instances of greening and the presence of greened spaces in promoting and enhancing recovery, and perhaps resilience, in social-ecological systems disrupted or perturbed by violent conflict or other catastrophic disaster.

This edited volume provides illustration and interpretation of these phenomena through a series of cases or examples of Greening in the Red Zone, which will explore how access to green space and the act of creating green spaces in extreme situations might contribute to resistance, recovery, and resilience of social-ecological systems.

Greening in the Red Zone takes important steps in advancing our understanding of what makes communities bounce back from disaster or violent conflict. The authors’ findings that creating and caring for green space contributes positively to recovery and resilience adds to the toolkit of those working in disaster and conflict zones.

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First Principles of Meteorology and Air Pollution

This book’s main objective is to decipher for the reader the main processes in the atmosphere and the quantification of air pollution effects on humans and the environment, through first principles of meteorology and modelling/measurement approaches. The understanding of the complex sequence of events, starting from the emission of air pollutants into the atmosphere to the human health effects as the final event, is necessary for the prognosis of potential risk to humans from specific chemical compounds and mixtures of them. It fills a gap in the literature by providing a solid grounding in the first principles of meteorology and air pollution, making it particularly useful for undergraduate students. Its broad scope makes it a valuable text in many related disciplines, containing a comprehensive and integrated methodology to study the first principles of air pollution, meteorology, indoor air pollution, and human exposure. Problem-solving exercises help to reinforce concepts.

Features
- Provides a solid grounding in the principles of meteorology and air pollution
- Fills a gap in the literature
- Liberally peppered with figures and tables, illuminating key concepts
- Problem-solving exercises help to reinforce concepts

Contents
- Earth’s atmosphere.
- First principles of meteorology.
- Atmospheric circulation.
- Atmospheric chemistry.
- Atmospheric Aerosols.
- Atmospheric dispersion - Gaussian models.
- Atmospheric models - Emissions of pollutants.
- Indoor air pollution.
- Human exposure and health risk from air pollutants.
- Appendix.
- Index.

Fields of interest
- Atmospheric Protection/Air Quality Control/Air Pollution
- Meteorology/Climatology
- Environmental Health

Target groups
- Lower undergraduate

Type of publication
- Monograph

Due December 2010

M. E. Krasny, K. G. Tidball, Cornell University, New York, NY, USA (Eds.)

Equivalency Methods for Environmental Liability in the European Union
Assessing Damage and Compensation under the Environmental Liability Directive

This volume is based on the editors’ work in the research project titled REMEDE (Resource Equivalency Methods for Assessing Environmental Damage in the EU) funded under the 6th Framework Programme of the European Commission for this purpose.

Features
- Covers both different ecological approaches and economic analysis components of equivalency analysis
- Fits within the European legal and institutional context
- Academically rigorous and easily accessible by users of different technical backgrounds and levels of expertise

From the contents
- PART 1: Introduction, Legal Regime, and Methods.
- 1. Introduction: Environmental Liability Analysis in the European Union.
- 5. Determining and Quantifying Damage.
- 6. Determining and Quantifying Remediation Benefits.
- 7. Scaling Complementary and Compensatory Remediation.
- PART 2: Case Studies.
- 10. Vistula River Crossing in Poland.
- 11. Ex Ante Road Development in Poland.

Fields of interest
- Environmental Management; Ecotoxicology
- Environmental Law/Policy; Ecojustice

Target groups
- Professional/practitioner

Type of publication
- Contributed volume