Technology and Global Change

Technology and Global Change describes how technology has shaped society and the environment over the last 200 years. Technology has led us from the farm to the factory to the internet. Technology's impacts are now global, and change continues to accelerate. Technology has eliminated many problems, but has added many others (ranging from urban smog to the ozone hole to global warming).

This book is the first to give a comprehensive description of the causes and impacts of technological change and how they relate to global environmental change. It organizes history into a sequence of technology clusters, each with its distinctive environmental "footprint". The result is a new, original explanation of change – illustrated with innumerable quantitative examples, data, and graphics – that makes this book required reading for all now looking to technology for environmental solutions: technologists, environmentalists, policy makers, and academics.

Written for specialists and nonspecialists alike, this book will be useful for researchers and professors, as a textbook for graduate students, for people engaged in long-term policy planning in industry (strategic planning departments) and government (R&D and technology ministries, environment ministries), for environmental activists (NGOs), and for the wider public interested in history, technology, or environmental issues.

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The International Institute for Applied Systems Analysis

is an interdisciplinary, nongovernmental research institution founded in 1972 by leading scientific organizations in 12 countries. Situated near Vienna, in the center of Europe, IIASA has been for more than two decades producing valuable scientific research on economic, technological, and environmental issues.

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- Global Environmental Change;
- Global Economic and Technological Change;
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