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Nota di contenuto	Front Matter -- Preface -- Contents -- Information Systems and the Environment Overview and Perspectives -- The Information Technology Revolution and Industrial Ecology -- The Information Revolution and Sustainability Mutually Reinforcing Dimensions of the Human Future -- Intellectual Property Rights in Data -- Information Systems within the Firm -- Improving Environmental Knowledge Sharing -- Using Environmental Knowledge Systems at DuPont -- Environmental Information Management Systems at Rhône-Poulenc -- Environmental Knowledge-Sharing in Manufacturing -- Modular Design for Recyclability Implementation and Knowledge Dissemination -- Environmental Information in Supply-Chain Design and Coordination -- Simulation Models for Information Sharing and Collaboration -- Opportunities for Collaboration and New Technologies -- Industrial Research and Development Collaborations Increasing Environmental Knowledge for Competitive Advantage -- InfoSleuth An Emerging Technology for Sharing Distributed Environmental Information -- Public

Sommario/riassunto

Information technology is a powerful tool for meeting environmental objectives and promoting sustainable development. This collection of papers by leaders in industry, government, and academia explores how information technology can improve environmental performance by individual firms, collaborations among firms, and collaborations among firms, government agencies, and academia. Information systems can also be used by nonprofit organizations and the government to inform the public about broad environmental issues and environmental conditions in their neighborhoods. Several papers address the challenges to information management posed by the explosive increase in information and knowledge about environmental issues and potential solutions, including determining what information is environmentally relevant and how it can be used in decision making. In addition, case studies are described and show how industry is using information systems to ensure sustainable development and meet environmental standards. The book also includes examples from the public sector showing how governments use information knowledge systems to disseminate "best practices" beyond big firms to small businesses, and from the world of the Internet showing how knowledge is shared among environmental advocates and the general public.
