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"This book is written by two internationally leading scholars who have over 50 years combined experience in remote sensing and Earth sciences. It examines how the modern concepts, technologies and methods in remote sensing can be effectively used to solve problems relevant to a wide range of topics in global environmental change studies. And it has a companion site that contains all the figures and tables included in the book. This book is invaluable for undergraduate and graduate teaching, while providing a good overview of the technology to a manager or scientist." **XIAOJUN YANG**, DEPT. OF GEOGRAPHY, FLORIDA STATE UNIVERSITY, USA