Record Nr. UNINA9910130936603321 Amazonia and global change [[electronic resource]] / Michael Keller ... **Titolo** [et al.] Pubbl/distr/stampa Washington, D.C., : American Geophysical Union, c2009 **ISBN** 1-118-67034-5 1-118-67236-4 Descrizione fisica 1 online resource (576 p.) Collana Geophysical monograph;; 186 Altri autori (Persone) KellerMichael <1960-> Disciplina 577.34/1409811 577.34140981 Soggetti Rain forest ecology - Amazon River Region Biosphere - Research - Amazon River Region Climatic changes - Amazon River Region Amazon River Region Climate Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Title Page; Contents; Preface; Section I: People and Land Change; People and Environment in Amazonia: The LBA Experience and Other Perspectives; The Changing Rates and Patterns of Deforestation and Land Use in Brazilian Amazonia; Selective Logging and Its Relation to Deforestation; The Spatial Distribution and Interannual Variability of Fire in Amazonia; The Expansion of Intensive Agriculture and Ranching in Brazilian Amazonia; Scenarios of Future Amazonian Landscapes: Econometric and Dynamic Simulation Models; Road Impacts in Brazilian Amazonia; Small Farmers and Deforestation in Amazonia Section II: Atmosphere and ClimateUnderstanding the Climate of Amazonia: Progress From LBA; Characteristics of Amazonian Climate: Main Features; The Amazonian Boundary Layer and Mesoscale Circulations: Natural Volatile Organic Compound Emissions From Plants and Their Roles in Oxidant Balance and Particle Formation; Biomass Burning in Amazonia: Emissions, Long-Range Transport of Smoke and

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Sommario/riassunto

Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 186. Amazonia and Global Change synthesizes results of the Large-Scale Biosphere-Atmosphere Experiment in Amazonia (LBA) for scientists and students of Earth system science and global environmental change. LBA, led by Brazil, asks how Amazonia currently functions in the global climate and biogeochemical systems and how the functioning of Amazonia will respond to the combined pressures of climate and land use change, such asWet season and dry season aerosol concentrations and their