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Modeling the Regional and Remote Climatic Impact of Deforestation; Evapotranspiration; Global Warming and Climate Change in Amazonia: Climate-Vegetation Feedback and Impacts on Water Resources; Section III: Terrestrial Ecosystems; Biogeochemistry and Ecology of Terrestrial Ecosystems of Amazonia; Nutrient Limitations to Secondary Forest Regrowth; The Maintenance of Soil Fertility in Amazonian Managed Systems; Sources and Sinks of Trace Gases in Amazonia and the Cerrado; The Production, Storage, and Flow of Carbon in Amazonian Forests  
Changes in Amazonian Forest Biomass, Dynamics, and Composition, 1980-2002; Ecosystem Carbon Fluxes and Amazonian Forest Metabolism; The Regional Carbon Budget; The Effects of Drought on Amazonian Rain Forests; Soil Carbon Dynamics; Ecophysiology of Forest and Savanna Vegetation; Section IV: Surface Water; Surface Waters in Amazonia: Key Findings and Perspectives; The Role of Rivers in the Regional Carbon Balance; Water and Chemical Budgets at the Catchment Scale Including Nutrient Exports From Intact Forests and Disturbed Landscapes; Floodplain Ecosystem Processes  
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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 as wet season and dry season aerosol concentrations and their

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