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Nota di contenuto	Table of Contents; Preface; A review of the status of satellite fire monitoring and the requirements for global environmental change research; Satellite earth observation information requirements of the wildland fire management community; Towards the development of an informed global policy on vegetation fires: what role for remote sensing?; Operational use of remote sensing for fire management: regional case studies; Current state of synthesis initiatives in global vegetation fire monitoring Forest fire monitoring and mapping for GOFD: current products and information networks based on NOAA-AVHRR, ERS-ATSR, and SPOT-VGT systems Detection of fires at night using DMSP-OLS data; An overview of diurnal active fire monitoring using a suite of international geostationary satellites; Upcoming sensors for space-borne fire observation; A review of AVHRR-based active fire detection algorithms: principles, limitations, and recommendations; Methods of mapping surfaces burned in vegetation fires; NOAA archives of data from

meteorological satellites useful for fire products ; Thee fire component of global observation of forest cover: a plan of action List of Acronyms; Subject index; Index of authors

Sommario/riassunto

Introduction Increasing conflagrations of forests and other lands throughout the world during the 1980's and 1990's have made fires in forest and other vegetation emerge as an important global concern. Both the number and severity of wildfires (accidental fires) and the application of fire for land-use change, seem to have increased dramatically compared to previous decades of the twentieth century. The adverse consequences of extensive wildfires cross national boundaries and have global impacts. Fire regimes are changing with climate variability and population dynamics.
