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Sommario/riassunto	This volume of the Encyclopedia of Sustainability Science and Technology, Second Edition, provides a broad and comprehensive view of air pollution, extending from ground-level, localized air quality and regional and global air quality and effects, to sensors and measurement and air pollution control. Despite substantial improvements in many parts of the world, globally, air pollution remains the most hazardous environmental threat. The increasing quality of exposure assessments, access to new and better statistical methods, and more complete and precise health data have led to stronger associations between air

pollution exposure and health effects. Air pollution exposure-effect relationships have now been established for a wide variety of health outcomes, and well documented through parallel studies in many countries around the world using a variety of approaches and methodologies. Assessments of the health effects in the population are now performed on a routine basis in many countries and by many agencies, and often these also include calculation of externalities associated with the negative health effects. Such knowledge is essential for pushing development towards a more sustainable society. This volume covers topics including, but not limited to, basic knowledge to understand foundational concepts and drivers of regional and global air pollution in relation to air quality and ways to sense, measure and control pollutants, while placing this knowledge into the perspectives of health and technological systems.
