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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part 1: On natural resources and health management -- Framework for Time Relevant Water Monitoring System -- Green and distributed architecture for managing big data of biodiversity -- Towards an ontology-based framework for data integration: Application to agriculture and health domains in Senegal -- Information and Communication Technology: A Tool for Health Care Delivery in Nigeria -- Part 2: On social networks and economical aspects -- Community Analysis and Link Prediction in Dynamic Social Networks -- Web 2.0 computing and social media as solution enablers for economic development -- Electronic Commerce in Egypt -- Research on ICT Development in Africa Countries focusing on Benefits, Trends, Challenges and Solutions.
Sommario/riassunto	This book describes the trends, challenges and solutions in computing use for scientific research and development within different domains in

Africa, such as health, agriculture, environment, economy, energy, education and engineering. The benefits expected are discussed by a number of recognized, domain-specific experts, with a common theme being computing as solution enabler. This book is the first document providing such a representative up-to-date view on this topic at the continent level. • Discusses computing for scientific research and development on the African continent, addressing domains such as engineering, health, agriculture, environment, economy, energy, and education; • Describes the state-of-the-art in usage of computing to address problems in developing countries pertaining to health, productivity, economic growth, and renewable energy; • Offers insights applicable to all developing countries on the use of computing technologies to address a variety of societal issues.
