1. Record Nr. UNINA9910449774003321 Autore Enos John L (John Lawrence), <1924-> **Titolo** In Pursuit of Science and Technology in Sub-Saharan Africa [[electronic resource]] Pubbl/distr/stampa Hoboken,: Taylor and Francis, 2012 **ISBN** 9786610110940 Descrizione fisica 1 online resource (298 p.) Collana UNU/INTECH Studies in New Technology and Development Disciplina 338.9270967 338.967 Soggetti Africa, Sub-Sahara Africa, Sub-Saharan Science and state Structural adjustment (Economic policy) Structural adjustment (Economic policy) - Africa **Technology** Technology and state Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto Front Cover; In pursuit of science and technology in Sub-Saharan Africa; Copyright Page; Contents; List of figures; List of tables; Preface; Part I: Introduction; 1.Scope and method; Introduction; Objectives of the study; Sampling procedure; Approach to the study; Outline of the book; 2. Choice and application of economic theory; Introduction; Consequences, in theory, of advancing science and technology: The timing, in theory, of advancing science and technology; Theories of structural adjustment; Guidance for the study; Part II: The Pursuit of Science and Technology; 3.Ghana; Introduction Recent economic history The prospects for industry: The structural adjustment programme; R&D institutions; Science and technology at the Ghanaian universities; Ghana's total expenditures on the pursuit of science and technology; 4. Kenya; Introduction; Recent economic

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Education in science and technology Estimates of the resources devoted to the pursuit of science and technology; 6.Uganda; Introduction; Recent economic history; Investment for the future; R&D institutions; The Scientific and Technical Faculties of the University; Summary; Part III:Effects of the pursuit of science and technology; 7.Effects on the economy as a whole; Introduction; Overall expenditures on advancing science and technology; Expenditures of R&D institutes; Government financing of advances in science and technology; Flow of foreign funds into science and technology

Summary of the statistical evidence A counterfactual experiment; 8. Effects among the sectors of the economy; Introduction; Economic activity by sector; Mobility between sectors; Transfer of resources and institutions from the public to the private sector; Summary; 9. Effects within organizations; Introduction; Distinguishing between goods of greater and lesser economic potential for sub-Saharan African countries; The maintenance of firms' capital equipment; The effectiveness of R&D efforts; A counterfactual experiment; Summary; Part IV: Conclusions and recommendations: 10.Conclusions Introduction A summary of the conclusions; Fluctuations in local government expenditures on the pursuit of science and technology; Increases in total expenditures on the pursuit of science and technology; The effects upon different areas of science and technology have been widely different; The areas of science and technology most vigorously pursued are increasingly determined by foreigners; The choice of the areas of science and technology to be pursued is based primarily upon the effects of such choiceon the developed countries; Changes in decision-making for science and technology 11.Policy recommendations

Sommario/riassunto

This is a study of the impact of the economic crisis and subsequent adjustment policies in the African economies on the scientific and technological capabilities in those countries. It includes studies of Ghana, Tanzania, Kenya and Uganda.