

Klaus Rennings · Thomas Zwick (Eds.)

Employment Impacts of Cleaner Production



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H Kauffman



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Handbook of Sustainable Innovation Frank Boons, Andrew McMeekin, 2019 The Handbook of Sustainable Innovation maps the multiple lineages of research and understanding that constitute academic work on how technological change relates to sustainable practices of production and consumption Leading academics contribute by mapping the general evolution of this academic field our understanding of sustainable innovation at the firm user and systems level the governance of sustainable innovation and the methodological approaches used The Handbook explores the distinctiveness of sustainable innovation and concludes with suggestions for generating future research avenues that exploit the current diversity of work while seeking increased systemic insight *The Economics of Knowledge, Innovation and Systemic Technology Policy* Francesco Crespi, Francesco Quatraro, 2015-05-15 There is wide consensus on the importance of knowledge for economic growth and local development patterns This book proposes a view of knowledge as a collective systemic and evolutionary process that enables agents and social systems to overcome the challenges of the limits to growth It brings together new conceptual and empirical contributions analysing the relationship between demand and supply factors and the rate and direction of technological change It also examines the different elements that compose innovation systems The Economics of Knowledge Innovation and Systemic Technology Policy provides the background for the development of an integrated framework for the analysis of systemic policy instruments and their mutual interaction the socio political and economic conditions of the surrounding environment These aspects have long been neglected in innovation policy as policymakers academics and the business community have mostly emphasized the benefits of supply side strategies However a better understanding of innovation policies grafted on a complexity based approach calls for the appreciation of the mutual interactions between both supply and demand aspects and it is likely to improve the actual design of policy measures This book will help readers to understand the foundations and working of demand driven innovation policies by stressing the importance of competent and smart demand **Eco-Innovation in Industry Enabling Green Growth** OECD, 2010-01-13 This book provides benchmarking tools on sustainable manufacturing and aims to spur eco innovation through better understanding of innovation mechanisms Employment Impacts of Cleaner Production Klaus Rennings, Thomas Zwick, 2012-12-06 This book covers a highly relevant but clearly under researched topic the impact of environmental innovations on employment on the firm level While the impact of innovations on employment has been analysed empirically in several studies only few studies have specifically analysed innovations which are environmentally beneficial In this book we present case studies and an in depth analysis of the behaviour of more than 1 500 firms that have recently introduced environmental innovations in five European countries Germany United Kingdom Italy the Netherlands Switzerland The data stem from identical telephone interviews carried out simultaneously in these countries The interviews were especially designed for analysing the relationship between environmental innovation and employment on the firm level On the basis of an econometric model we

find which factors lead to positive and which factors lead to negative employment effects in the wake of environmental innovations Product and service innovations create more jobs in contrast to process innovations Employment changes only occur in the wake of major innovations When innovations are mainly motivated by environmental concerns they tend not to have employment effects Eco innovations aiming at cost reduction reduce employment If the innovation is motivated by market share considerations employment may change in both directions We detect skill biased technological change of eco innovations because the share of highly qualified employees has a positive impact on employment increases while it is insignificant for employment decreases

The International Handbook on Environmental Technology Management

Dora Marinova, David Annandale, John Phillimore, 2008-01-01 This is an excellent textbook suitable as a core text for environmental engineers and environmental scientists but equally it should in my opinion be compulsory reading for all researchers practitioners and policy makers regardless of their discipline because it has relevance for all In fact the book is so lively and understandable that everyone and anyone could and should read it Clearly written by a team of recognised environmental authors drawn from around the world it guides the reader through current thinking on the tools and techniques industry As an academic it is a delight to find a book to recommend that I know students will enjoy and one which addresses so many different elements of a diversity of university courses while covering the most important areas of environmental technology and management I am certainly using it to enhance and update the content of some of my own lectures Susan Haile International Journal of Sustainable Engineering This substantial collection draws together a very wide variety of literatures and practices I would expect this book to be a popular purchase by academic libraries principally as a core text R D Management This stunning Handbook is an excellent tool for environmental manager and environmental officer alike It is brimful of ideas case studies and methodologies which stimulate continuous improvement thinking and help train staff to implement sustainability and environmental management concepts Highly recommended Eagle Bulletin This important Handbook is the first comprehensive account that brings together recent developments in the three related fields of environmental technology environmental management and technology management With contributions from more than 55 outstanding authors representing ten countries and five continents the reader is provided with a vast range of insightful perspectives on the latest industry and policy issues With the aid of numerous case studies leading experts reflect on significant changes in the use of technology and management practices witnessed in the last decade Within this Handbook the authors discuss in detail eco modernization and technology transformation environmental technology management in business practices measuring environmental technology management case studies in new technologies for the environment environmental technology management and the future The International Handbook on Environmental Technology Management has a broad audience including researchers practitioners policymakers and students in the fields of sustainability and environmental science

Evaluating the Employment Effects of Job Creation Schemes in Germany

Stephan Lothar Thomsen,2007-05-16 This book analyses the employment effects of job creation schemes for participating individuals in Germany Programs provide subsidized jobs that are additional in nature and of value for society International evidence on their effectiveness suggests that programs should be targeted to the needs of the unemployed and should be offered early in the period of unemployment Both questions are studied for job creation schemes in Germany **Applied Research in Environmental Economics** Christoph Böhringer,Andreas Lange,2006-03-30 Sustainable development climate policy and biodiversity conservation are examples of issues on the current political agenda in many countries These themes are also subject to economic research and economic insights are increasingly finding their way into the design of environmental policy Still the reception of academic findings by policy makers as well as the timely identification of policy relevant questions by economic researchers often seem to be problematic This volume attempts to vitalise the exchange between policy makers and academics It offers a snapshot of environmental economic research on a range of policy relevant problems Academic contributions are complemented by views of policy makers on priority fields in environmental policy the usefulness of academic research for decision making and requirements to applied research in the future *Sustainable Development - Proceedings Of The 2015 International Conference (Icsd2015)* Liandong Zhu,Ahmed Ouadha,2016-01-28 Since the emergence of climate and global warming onto the international agenda research in sustainability has been underpinned by the development in energy and environmental science Highlighted 30 years ago by the Brundtland Commission sustainable development was defined as meeting the needs of the present without compromising the ability of future generations to meet their own needs This has very much defined the scope and aims of this conference This conference proceedings book contains the selected papers presented in the 2015 International Conference on Sustainable Development ICSD2015 held in September 25 27 2015 in Wuhan Hubei China The conference positions itself as an international forum for researchers all over the world to come together to share and discuss their findings and contributions in all aspects of sustainability including theory methodology and applications covering a wide spectrum of topics and issues The conference proceedings put together a total of 119 papers in sustainable development covering issues in environmental energy and economical aspects of the subjects *Economic Foundation of Asset Price Processes* Erik Paul Lüders,2012-12-06 In this book the relation between the characteristics of investors preferences and expectations and equilibrium asset price processes are analysed It is shown that declining elasticity of the pricing kernel can lead to positive serial correlation of short term asset returns and negative serial correlation of long term returns Analytical asset price processes are also derived In contrast to the widely used empirical time series models these processes do not lack a sound economic foundation Moreover in contrast to the popular Ornstein Uhlenbeck process and the Constant Elasticity of Variance model the proposed stochastic processes are consistent with a classical representative investor economy **Studies on Continuing Vocational Training in Germany** Anja Kuckulenz,2007-07-13 This book offers a comprehensive empirical analysis of continuing vocational

training in Germany Specific issues concerning continuing training that are debated in academia as well as in public are discussed Wage and productivity effects of training are analysed explicitly accounting for the heterogeneity of training participants Additionally different types of training that vary in the degree of firm specificity are considered Wage and productivity effects of training are compared to examine how the training rent is shared between employer and employee Finally evidence is given on whether positive externalities of continuing training exist

The Effective Tax Burden on Highly Qualified Employees Christina Elschner, Robert Schwager, 2006-03-30 Taxes on the highly skilled are an important cost factor for companies competing internationally for talent This book provides an international comparison of the effective level of taxes and social security charges imposed on highly qualified employees Based on a newly developed inter temporal simulation model the attractiveness of 7 EU member states 12 Swiss cantons and the United States is assessed Several compensation packages including old age provision fringe benefits and long term incentives as well as various income levels and family situations are considered in the analysis The book also contains a comprehensive survey of social security and tax systems in the countries studied

Innovation and Firm Performance Bettina Peters, 2008-01-08 The process of firms growth in terms of productivity or employment is a major concern of policy makers In this context innovations are considered to play a crucial role in stimulating firms performance This book investigates this general hypothesis by looking at three topics 1 Does innovation lead to an increase in employment growth 2 Does innovation boost labour productivity 3 Does innovation in one period improve innovation performance in subsequent periods

Europe's Automotive Industry on the Move Oliver Heneric, Georg Licht, Wolfgang Sofka, 2006-03-30 The automotive industry is a major pillar of the modern global economy and one of Europe's key industries There can hardly be any doubt about the important role of this sector as an engine for employment growth and innovation in Europe and there are crucial challenges and opportunities ahead The authors shed light on a broad range of issues globalisation and restructuring trade and foreign direct investment innovation regulation and industry policy and put a special focus on the new member states While change may be inevitable progress is not This book shall serve as a map to all stakeholders business executives and policy makers investors and scholars

Leaving Unemployment for Self-Employment Frank Reize, 2012-12-06 The book presents an analysis of the transition from unemployment to self employment and its subsidisation with the so called bridging allowance in Germany On the basis of econometric models the determinants and the success of self employment among former unemployed are estimated at the individual as well as at the firm level By comparing different groups of the formerly unemployed it becomes evident that self employment is one successful route out of unemployment as self employment proves to be more stable than paid employment Therefore the bridging allowance reaches its aim of regaining stable employment for the unemployed However this programme fails to create additional employment in the newly founded firms

The Internationalisation of Young High-Tech Firms Oliver Bürgel, Andreas Fier, Georg Licht, Gordon Murray, 2012-12-06 There is now a certain tradition of Anglo German

comparative research on new technology based firms NTBFs Two of the most influential studies in this area have both been sponsored by the Anglo German Foundation for the Study of Industrial Society AGF Starting in 1977 the first AGF project on NTBFs which was carried out by the consultancy firm Arthur D Little has been one of the most important early contributions in this field Little 1977 This report was the first public document to use the term new technology based firm and to provide a definition which despite its operational limitations subsequently became an established term in the literature More importantly this study represented one of the first serious attempts to survey the existing stock of this type of firm The report was critical of the contemporary situation in Europe This is a policy area which continues to be hotly debated see European Commission 1995 Bank of England 1996 and HM Treasury 1998 It emphasised that in comparison with the USA Germany and the UK were each lagging behind if judged by the rate of formation of NTBFs and in their total contribution to the overall economic activity of both countries In terms of a policy contribution this study was instrumental in highlighting the lack of support infrastructures for the genesis and growth of high tech start ups in two of Europe's leading economies Climate Change Policy and Global Trade Christoph Böhringer, Andreas Löschel, 2012-12-06 This book synthesises several studies on the potential global impacts of two fundamental international policy initiatives i multilateral agreements on climate protection strategies and ii trade agreements towards global trade liberalisation Although these initiatives are not directly linked they interrelate in subtle yet important ways Based on theoretical analyses and numerical simulations the book provides guidelines on efficient strategies for climate change mitigation implementing the framework of the Kyoto Protocol and the provided flexibility instruments hereby accounting for interrelationships with existing and possible trade agreements on various levels The analyses incorporate important real world features such as imperfect market structures trade liberalisation settings risk or transaction costs that may substantially influence the magnitude and even the sign of policy impacts

The Market Approach to Comparable Company Valuation Matthias Meitner, 2006-08-18 Corporate valuation using multiples is one of the most popular corporate valuation approaches In this book the different steps of this valuation approach such as the selection of comparable companies or the choice of the reference variables are discussed Then the circumstances required for a sound valuation e.g. the degree of efficiency of the equity market are described Additionally the book gives insight on how the state of the industry and or the company has an impact on the proper choice of the reference variables Finally it is shown how multi factor models can enrich the universe of valuation models While always maintaining the academic rigor the author addresses practice relevant topics and delivers hands on solutions for typical valuation problems

Computers and Productivity Thomas Hempell, 2006-01-17 Information and communication technologies ICTs create potentials for considerable productivity gains and for higher economic growth However ICTs also pose varied challenges to firms in order to benefit from these potentials Highlighting the importance of innovations firm sponsored training and recruitment of high skilled workers this monograph analyses why and to what extent firms differ in their

capabilities to make ICT work productively The work also comprises a detailed discussion of economic theory concerning ICT use and complementary firm strategies In addition it provides a comprehensive treatment of various methodological issues concerning the measurement of firm level productivity in econometric analyses Lead Markets for Environmental Innovations Klaus Jacob, Marian Beise, Jürgen M. Blazejczak, Dietmar Edler, Rüdiger Haum, Martin Jänicke, Thomas Löw, Ulrich Petschow, Klaus Rennings, 2006-03-30 Some countries are earlier than others in the development and introduction of environmental innovations Often the leadership in technological development is accompanied by a leadership in environmental policy The book provides an analysis of lead markets for innovations such as fuel cells photovoltaics and others Contributions of innovation economics policy analysis and environmental economics are assessed regarding their potential to explain the leadership of single countries The book depicts the policy frameworks that are favourable to the creation of such lead markets on the basis of theoretical considerations and case studies Finally recommendations for R and D policies environmental and industrial policies are derived *The Effective Tax Burden of Companies in European Regions* Lothar Lammersen, Robert Schwager, 2006-03-30 The tax burden on investment or companies is an important factor for the attractiveness of a country or a region In particular business location and investment decisions are influenced by the relative tax burdens encountered in different regions This study presents estimates of the effective average and marginal tax rates on company investment for 143 regions in Europe and the USA Using the approach pioneered by Michael Devereux and Rachel Griffith it is shown that companies face a wide variation of effective tax burdens across European regions The results are explained by analysing the importance of specific tax provisions for the tax burden at the various locations

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