

Routledge Explorations in Environmental Economics

ECONOMICS OF ENERGY SECURITY

PERSPECTIVES OF NATURAL GAS EXPORTERS

Honorata Nyga-Lukaszewska



Economics Of Energy Security

Michail Chalaris



Economics Of Energy Security:

The Economics of Energy Security Douglas R. Bohi, Michael A. Toman, Margaret A. Walls, 1996-01-31 The Economics of Energy Security brings together and expands on research on energy security that has been conducted over the past twenty years The book provides a comprehensive analysis of this topic in one volume examining the assessment of energy security externalities for policy purpose and the wisdom of using energy security as an argument for government intervention in energy markets

Economics of Energy Security Honorata Nyga-Łukaszewska, 2023-12-01 There has been a burgeoning interest in energy security in recent years due to the transformation of the energy landscape through deepening market deregulation rising environmental challenges growing energy hunger and significant political changes Depicting energy security as an evolving concept that absorbs economic and political conditions this book adopts an economic approach to energy security in the international gas market Uniquely the book explores the theoretical assumptions and practical consequences attached to both demand and supply side security in global energy markets It investigates why energy exporters are so protective of independence in energy exports The book also looks at the critically important issue of environmental aspects of energy security particularly around climate change It also analyses the potential for a cartel in the international gas market similarly to the oil industry This book will be of much interest to readers in energy economics energy security energy policy IR security studies and relevant policy makers

Energy Economics Yi-Ming Wei, Qiao-Mei Liang, Gang Wu, Hua Liao, 2019-09-23 This book sets out a systematic piece of research which attempts to assess the level of energy security in China investigate how national energy supply security might be improved and consider how energy trade risks might be reduced

The Economics of Energy Security Michael A. Toman, Resources for the Future. Energy and Natural Resources Division, 1991

Energy Security in the 1980s Douglas R. Bohi, William B. Quandt, 1984 Energy Security in the 1980s examines energy industries power resources and energy policy and international economics

A Strategic Evaluation of Energy Security in the Eastern Mediterranean Michail Chalaris, 2021 This book is an approach in the wider theoretical considerations on scientific research and study of issues relating to energy resources and energy security and at the same time it is a case study on Eastern Mediterranean energy security The Mediterranean has been known since ancient times as a large semi enclosed sea surrounded by more than two states as it lies between three continents Europe Asia and Africa However developments in the 21st century have necessitated viewing it conceptually as a distinct new region with specific characteristics Comprised by Cyprus Egypt Greece Israel Lebanon Libya Syria Turkey Italy the region is assuming increased significance in world affairs More specifically the region of the Eastern Mediterranean is currently of vital importance for the EU due to several prospects and challenges such as migration flows energy security and sustainability of the region The individual objectives are the recognition of energy actions and resources forms of energy energy security and in general all actions at the energy level mentioned in the specific area Research this study will focus on

the qualitative method to the subject The structure of the present study was developed as follows The Preface provides a general presentation of the topic The first chapter presents an overview of eastern Mediterranean and energy issues The second chapter reports on energy resources and it focuses on energy security and its basic principles The third chapter is about energy and security The fourth Chapter offers discussion on European Union s energy policy development and on the EU interests strategy and policy regarding the Eastern Mediterranean region The fifth chapter presents the changes in the East Mediterranean energy map and data on geopolitical chessboard The last chapter presents the conclusions A useful tool in completing this study was the understanding of the delicate ethnocultural and religious synthesis of the region the current challenges and underlying controversies considering the interlinked nature of interests and the importance of cross border affiliations All the findings of the study demonstrate certain dimensions of a reality which are expected to be dynamic creating risk but also future opportunities The main finding of the study points out not only the strong correlation between energy power economics and politics but also the increased dependence of the latter two on the former thus creating a hotbed of tensions rivalries and conflicts every time the existing relationship between economy and energy are destabilized The shifting to energy sources which are safe and eco friendly is a one way process the only means of survival and safe development for humanity Generating energy based on economic safe cost efficient and renewable criteria is the current ecological and technological challenge if firstly the vast interests in the energy sector are dealt with successfully Finally this book will be of key interest to scholars and students for researchers in the fields of Energy Economics Policy and Security Energy Law Business Regulation and Policy Geopolitics who aim to have a better understanding of the current trends or research in the relevant fields for professionals in EU politics and foreign policy energy policy and security and more broadly to security studies European politics and international relations and newcomers in the profession of energy security and for policymakers who intend to apply the collective knowledge included into this volume into policy and decision making

International Handbook of Energy Security Hugh Dyer, Maria Julia Trombetta, 2013-01-01 This Handbook should be consulted by anybody interested in the issue of energy security It convincingly demonstrates why the provision of energy is such a contentious issue addressing the complex interaction of economic social environmental technical and political aspects involved The book is particularly valuable in investigating and highlighting processes in which inter national actors apply this variety of aspects in re constructing their notion of energy security its particular meaning and the implications thereof Such understanding of energy security is helpful Aad F Correlj Delft University of Technology The Netherlands Energy security has for long been treated as an issue of pure geopolitics Hugh Dyer and Maria Julia Trombetta aim at broadening energy security debates and extend them to new agendas Their excellent Handbook offers a fresh perspective on four crucial dimensions supply demand environment and human security A diverse group of international energy scholars provides for an in depth and comprehensive analysis of key contemporary energy problems ranging from an oil producers perspectives on energy

security to ethical dimensions of renewable energy and climate governance Andreas Goldthau Central European University Hungary This Handbook brings together energy security experts to explore the implications of framing the energy debate in security terms both in respect of the governance of energy systems and the practices associated with energy security The contributors expertly review and analyse the key aspects and research issues in the emerging field of energy security test the current state of knowledge and provide suggestions for reflection and further analysis This involves providing an account of the multiplicity of discourses and meanings of energy security and contextualizing them They also suggest a rewriting of energy security discourses and their representation in purely economic terms This volume examines energy security and its conceptual and practical challenges from the perspectives of security of supply security of demand environmental change and human security It will prove essential for students in the fields of global international and national politics of energy economics and society as well as engineering It will also appeal to policy practitioners and anybody interested in keeping the lights on avoiding climate change and providing a secure future for humanity

Energy Security for the EU in the 21st Century José María Marín Quemada, Javier García-Verdugo, Gonzalo Escribano, 2012-03-12 Recent developments like the rising trend in crude oil price the international economic crisis the civil revolts in Northern Africa and the Middle East the nuclear threat in Japan after the tsunami the oil spill in the Gulf of Mexico and the economic growth of emerging countries like China and India have a direct relation to the security of energy supply anywhere in the world This book provides a comprehensive analysis of energy risks energy scenarios and energy policies with special reference to the European Union and its member states emphasizing the economic and geopolitical dimensions of energy security The book assesses both quantitatively and qualitatively the socioeconomic and political risks related to the European energy supply together with the EU's energy relations with other countries Two innovative indicators have been developed to estimate geopolitical energy risks and energy related relations with other countries The book also examines the process of convergence of member states energy security policies the path towards a common European energy policy and the process of Europeanization projected towards the energy corridors through which the EU receive energy imports In addition alternative strategic scenarios related to energy risk are assessed Finally guidelines for the EU's energy policy and new strategies using energy corridors are suggested in order to maximize EU's energy security The book should be of interest to students and researchers across a wide range of subjects including energy economics and policy energy and foreign policy in the EU energy policies in EU member states and several aspects related to international political economy

Energy Security in Times of Economic Transition Yao Lixia, 2021-01-20 This book provides a quantitative framework for evaluating China's energy security in the economic transition period and comprehensively explains how China's macroeconomic reforms have impacted on its energy sector

The Routledge Handbook of Energy Security Benjamin K. Sovacool, 2010-12-16 This Handbook examines the subject of energy security its definition dimensions ways to measure and index it and the complicating factors that are often

overlooked The volume identifies varying definitions and dimensions of energy security including those that prioritize security of supply and affordability alongside those that emphasize availability energy efficiency trade environmental quality and social and political stewardship It also explores the various metrics that can be used to give energy security more coherence and also to enable it to be measured including recent attempts to measure energy security progress at the national level with a special emphasis placed on countries within the Organization of Economic Cooperation and Development OECD countries within Asia and industrialized countries worldwide This Handbook Broadens existing discussions of energy security that center on access to fuels including oil security and coal security Focuses not only on the supply side of energy but also the demand taking a hard look at energy services and politics along with technologies and infrastructure Investigates energy security issues such as energy poverty equity and access and development Analyzes ways to index and measure energy security progress at the national and international level This book will be of much interest to students of energy security energy policy economics environmental studies and IR Security Studies in general

Energy Security Adrian V. Gheorghe, Liviu Muresan, 2011-02-09 In terms of energy security the Black Sea region is important to Europe Inevitably and for very good reasons a lot of attention has been given to the existing and planned pipeline routes going around or across the Black Sea Much less attention has been given to the development of the Black Sea energy market in its own right and to the potential advantages of coping with some current and future energy issues in a multilateral regional format rather than through individual action at national level The present book addresses in a comprehensive manner the current problematic of energy security and goes beyond pipeline politics without playing down their continued significance it addresses some topical questions related to the sustainability and resilience of energy systems as applicable to the Black Sea region

The Political Economy of National and Energy Security Pantelis Sklias, Floros Flouros, 2019-01-17 The aim of this collective volume is to study the crucial aspects related to the interconnection between the political economy of energy security and national security which is of great importance globally due to great volatility and complexity Several conceptual frameworks regarding the issue of energy security are examined in order to understand the relationships between relevant parameters and then to investigate their implications for national security Research needs to examine how energy security affects national security of nation states around the world either as producers or consumers of energy resources In this volume the theory of realism is employed for the analysis of such concepts as it emphasizes the primary importance of any given state and its national security whereas realism is essentially a political ideology and looks to provide the proper spectrum for further analysis The fact that the political economy of energy security and the political economy of national security are addressed as separate parts in the literature are among the main drawbacks in our effort to comprehend the issues concerned The abovementioned results to a dichotomy that affects the ontological and epistemological essence of the two pillars of the issue in question based on our working hypothesis should be addressed in a

complementary and interconnected way Addressing both theoretical concepts and case studies to validate the argument the authors believe that the academic level of the proposed subject is related to graduate and postgraduate studies The Energy Security Dilemma David Bernell, Christopher A. Simon, 2016-04-14 This book analyzes the energy security of the United States its ability to obtain reliable affordable and sufficient supplies of energy while meeting the goals of achieving environmental sustainability and protecting national security The economic and national security of the United States is largely dependent upon fossil fuels especially oil Without significant changes to current practices and patterns of energy production and use the domestic and global impacts security economic and environmental are expected to become worse over the coming decades Growing US and global energy demands need to be met and the anticipated impacts of climate change must be avoided all at an affordable price while avoiding conflict with other nations that have similar goals Bernell and Simon examine the current and prospective landscape of American energy policy from tax incentives and mandates at the federal and state level to promote wind and solar power to support for fracking in the oil and natural gas industries to foreign policies designed to ensure that markets and cooperative agreements not armies navies and rival governments control the supply and price of energy resources They look at the variety of energy related challenges facing the United States and argue that public policies designed to enhance energy security have at the same time produced greater insecurity in terms of fostering rising and potentially unmet energy needs national security threats economic vulnerability and environmental dangers *Rethinking Energy Security in Asia: A Non-Traditional View of Human Security* Mely Caballero-Anthony, Youngho Chang, Nur Azha Putra, 2012-06-07 Traditional notions of security are premised on the primacy of state security In relation to energy security traditional policy thinking has focused on ensuring supply without much emphasis on socioeconomic and environmental impacts Non traditional security NTS scholars argue that threats to human security have become increasingly prominent since the end of the Cold War and that it is thus critical to adopt a holistic and multidisciplinary approach in addressing rising energy needs This volume represents the perspectives of scholars from across Asia looking at diverse aspects of energy security through a non traditional security lens The issues covered include environmental and socioeconomic impacts the role of the market the role of civil society energy sustainability and policy trends in the ASEAN region **The Political Economy of Renewable Energy and Energy Security** E. Moe, P. Midford, 2014-09-23 Bringing together renewable energy and energy security this book covers both the politics and political economy of renewables and energy security and analyzes renewable technologies in diverse and highly topical countries Japan China and Northern Europe Energy Security and Sustainable Economic Growth in China S. Yao, 2014-07-29 This book focuses on various issues of energy energy efficiency and environmental policy in China It discusses different aspects on how China may maintain its fast economic growth through good management of energy consumption and development of various energy sources *New Challenges in Energy Security* C. Mitchell, J. Watson, J. Whiting, 2013-08-29 Researchers and

practitioners explore the effect of evolving global economic and political powers on energy security within the UK and puts forward practical options for moving towards a more energy secure system over both the short and long terms **Energy Security** Carlos Pascual,2008 **The Effect of Food and Energy Security on Political Stability** Mohamed Taher Sassi,2021-11-19 Master s Thesis from the year 2019 in the subject Politics Other International Politics Topics grade 10 University of Marburg Faculty of Business Administration and Economics Economics Institutions language English abstract Since both food security and energy security are countries strategic objective this study typically advocates a deep understanding of the concept of political stability to incorporate food and energy security as a new pillar of conflict management based on an empirical understanding of the nexus and its effect We used food deficit as proxy for food security and energy imports for energy security from the World Bank database Suffering mutilation and death of human beings are the most obvious and important effects of all conflicts as well as natural disasters Yet material losses are also important because they reduce the livelihood and recovery capacities of conflict survivors Moreover in many cases the indirect effects of conflict cause more deaths than direct violence It has been found that generally the indirect costs of war are greater than its direct costs and persist long after the end of the conflict Instability and conflict affect many economic sectors such as reducing foreign exchange earnings which can have serious consequences for development and food security Indeed global population growth combined with the effects of climate change on agriculture pose the risk of a Malthusian trap to humanity that can only be avoided by a more efficient and sustainable production system Energy security policies and climate policies are often considered as two sides of the same coin their objectives being at least complementary if not identical Energy Security Challenges for the 21st Century Gal Luft,Anne Korin,2009-08-10 The impact of energy on global security and economy is clear and profound and this is why in recent years energy security has become a source of concern to most countries However energy security means different things to different countries based on their geographic location their endowment of resources their strategic and economic conditions In this book Gal Luft and Anne Korin with the help of twenty leading experts provide an overview of the world s energy system and its vulnerabilities that underlay growing concern over energy security It hosts a debate about the feasibility of resource conflicts and covers issues such as the threat of terrorism to the global energy system maritime security the role of multinationals and non state actors in energy security the pathways to energy security through diversification of sources and the development of alternative energy sources It delves into the various approaches selected producers consumers and transit states have toward energy security and examines the domestic and foreign policy tradeoffs required to ensure safe and affordable energy supply The explains the various pathways to energy security and the tradeoffs among them and demonstrates how all these factors can be integrated in a larger foreign and domestic policy framework It also explores the future of nuclear power the complex relations between energy security and environmental concerns and the role for decentralized energy as a way to enhance energy security

Unveiling the Magic of Words: A Report on "**Economics Of Energy Security**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Economics Of Energy Security**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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