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THE FUTURE OF EUROPEAN ENERGY SECURITY

The Future For European Energy Security

**United States. Congress. Commission
on Security and Cooperation in Europe**

The Future For European Energy Security:

European Energy Security Palgrave Macmillan, 1986-02-01 **The Future for European Energy Security** Curt Walter Gasteyger, 1985 *European Energy Security* Nataliya Esakova, 2013-01-24 Nataliya Esakova performs an analysis of the interdependencies and the nature of cooperation between energy producing consuming and transit countries focusing on the gas sector For the analysis the theoretical framework of the interdependence theory by Robert O Keohane and Joseph S Nye and the international regime theory are applied to the recent developments within the gas relationship between the European Union and Russia in the last decade The objective of the analysis is to determine whether a fundamental regime change in terms of international regime theory is taking place and if so which regime change explanation model in terms of interdependence theory is likely to apply **European Energy Security** M. Biresselioglu, 2011-06-13 An exploration of Turkey s future role and impact on European energy security looking at the connection between geopolitics energy security and the EU s need for energy The book focuses on Turkey s foreign and energy policies and importance as a natural funnel through which the EU can access hydrocarbons and renewables **NATO and the Future of European and Asian Security** Christensen, Carsten Sander, Maisaia, Vakhtang, 2021-06-25 The key role in the security policy of the North Atlantic Treaty Organization NATO is to prevent new types of asymmetric challenges and deal with the new architecture of the Euro Atlantic security environment including the control of weapons of mass destruction In modern international politics the growing militaristic policies of the states have created many dangers and raised the need for NATO to address new issues that the Alliance did not face during the Cold War NATO and the Future of European and Asian Security reflects on difficult geopolitical and geostrategic conditions and reviews how new types of warfare have a drastic impact on NATO s military and defense doctrine This book provides the newest data and theories and contributes to the understanding of the transformation of the regional security environment in the aegis of the Euro Atlantic Covering topics including foreign policy global security hybrid warfare securitization and smart defense this book is essential for government officials policymakers public relations officers military and defense agencies teachers historians political scientists security analysts national security professionals administrators government organizations researchers academicians and students **The Future European Energy System** Dominik Möst, Steffi Schreiber, Andrea Herbst, Martin Jakob, Angelo Martino, Witold-Roger Poganietz, 2021-02-23 This open access book analyzes the transition toward a low carbon energy system in Europe under the aspects of flexibility and technological progress By covering the main energy sectors including the industry residential tertiary and transport sector as well as the heating and electricity sector the analysis assesses flexibility requirements in a cross sectoral energy system with high shares of renewable energies The contributing authors all European energy experts apply models and tools from various research fields including techno economic learning fundamental energy system modeling and environmental and social life cycle as well as health impact assessment to develop an innovative and comprehensive energy models system EMS Moreover

the contributions examine renewable penetrations and their contributions to climate change mitigation and the impacts of available technologies on the energy system. Given its scope, the book appeals to researchers studying energy systems and markets, professionals and policymakers of the energy industry, and readers interested in the transformation to a low carbon energy system in Europe.

The Treaty of Lisbon and the Future of European Law and Policy Martin Trybus, Luca Rubini, 2012-01-01. After Lisbon, the EU has reached a new precarious stage in its development. New institutions have been created and policies reformed. The different chapters of this book cover the most important innovations while providing a fresh critical assessment of the shortcomings of the present arrangements. Works are always in progress at the EU site and the authors provide the future architects of this grand building as well as the academic community with much food for thought.

Roberto Caranta, University of Turin, Italy. This comprehensive and insightful book discusses in detail the many innovations and shortcomings of the historic Lisbon version of the Treaty on European Union and what is now called the Treaty on the Functioning of the European Union. Divided into six parts, the 23 chapters provide, after Lisbon, perspectives on law and governance of the EU, its powers and nature, the Charter of Fundamental Rights, EU external action and policy, justice and criminal policy, and economic governance. The authors, drawn from eleven EU Member States, offer a uniquely diverse and extensive coverage of the new EU law and policy after Lisbon. The book argues that while the Treaty of Lisbon has to be considered a milestone in the history of European integration, its shortcomings and open questions will make a future major treaty inevitable. *The Treaty of Lisbon and the Future of European Law and Policy* will appeal to postgraduate students and academics in European law and policy, EU institutions, diplomatic missions, lobbying NGOs, specialised lawyers, and governments.

EU Energy Security in the Gas Sector Filippos Proedrou, 2016-04-22. This book fills an important gap in the literature on energy security in the gas sector in the European Union. Whilst the emphasis is often on energy security in the oil sector, the gas sector has grown in importance in recent decades with increasing liberalization raising critical questions for the security of gas supplies. The share of gas in Europe's energy mix is rising and the differences between the politics and economics of gas and oil supply are becoming more pronounced. The author sheds light on the state of EU energy security in the gas sector, its interdependence with external suppliers, and the current gas strategy. He examines the role of energy companies, EU member states, and EU institutions, locates the main developments in the gas sector, and focuses on the principal challenges posed by such fundamental changes. The author scrutinizes the EU's relations with its main gas supplier, Russia, as well as with alternative suppliers, elaborates on the key infrastructure projects on the table and their principal ramifications, and discusses the main policies that member states pursue to achieve energy security, as well as the EU's internal contradictions. The book concludes with policy recommendations, particularly in the light of tougher environmental regulation.

The Southern Energy Corridor: Turkey's Role in European Energy Security Vedat Yorucu, Ozay Mehmet, 2017-10-03. This book highlights the importance of Turkey in diversifying supplies in future European energy

security focusing in particular on the rapidly emerging southern energy corridor Turkey by its location occupies a key role in this corridor fed by hydrocarbon supplies from Russian Caspian east Mediterranean and Arab sources The book examines Turkey's role as a transit country in addition to its own growing domestic energy market and it utilizes the latest evidence on the geopolitics of various pipelines which convergence on Turkey The evidence including maps strongly favor Turkey as an energy hub within a regional energy model driven by rational behavior and market forces The book recommends an increasing strategic energy cooperation between the EU and Turkey to maximize mutual interest

European Energy Security and US-Russian Competition Ioanna Mavromati, 2025-10-31 This book argues that the influence of US Russian security competition on the energy policies of EU member states and on the development of a unified European energy security policy has been significantly underestimated While most previous studies have focused on internal EU dynamics and the role of Russian interests this work takes a broader perspective by examining how transatlantic rivalries have shaped European approaches to energy security By tracing the evolution of European energy security policy from the Cold War era through the present the book connects shifts in policy to the changing dynamics of US Soviet and later US Russian energy competition It demonstrates that after the Soviet Union's collapse the United States did not initially view European reliance on Russian energy as a threat However as US Russian competition intensified Washington increasingly framed Europe's dependence on Russian gas as a security risk and actively sought to block the expansion of Russian energy infrastructure into Europe The book also explores how despite the EU's early treaties being energy focused energy security only became a central foreign policy concern for the Union in the mid 2000s Ultimately the author argues that scholars of international relations must consider both great power dynamics and intra European factors to fully understand the development of European energy policy The book will be of interest to students and researchers in geopolitics international relations energy politics regional studies and European studies *The Future of European Energy Security* United States. Congress.

Commission on Security and Cooperation in Europe, 2024 **Energy Transitions and the Future of Gas in the EU** Gökçe Mete, 2019-11-23 This book assesses the impact of energy transitions on the future of natural gas in the EU energy mix As we approach 2050 the requirement to sharply decrease CO₂ and other GHG emissions means that the role of gas infrastructure in the EU and beyond will change drastically But what does such change mean To address this question the author critically analyses the EU's evolving natural gas market policy and law Clearly structured throughout the book explores the following questions How can we maximise the potential of gas infrastructure to reduce carbon emissions What are the lessons learned from decision making experience in the natural gas sector Is the EU moving towards or away from a climate neutral gas sector How will green and low carbon gas technologies be supported And are proposals to drive a growing share of hydrogen biomethane and synthetic methane to the system just an excuse to prolong fossil fuel operations The book explores whether the EU will continue to subsidize natural gas projects or decarbonise the gas grid before 2050 and at what cost

Recommendations are proposed for a new regulatory and policy framework for development and operation of hydrogen pipelines injection of biomethane into the existing gas grid and for pipelines carrying CO₂ Filling an important gap in the literature this book aims to develop an understanding of and clarify the complex range of legislation involved within a single analytical framework Although the focus is mainly on the future of gas in the EU the findings and recommendations are relevant for a much wider geography This book will be an invaluable reference to policy makers and practitioners as well as researchers and students across the social sciences interested in the future of energy *Renewed Focus on European Energy Security* United States. Congress. Senate. Committee on Foreign Relations. Subcommittee on European Affairs, 2014

Energy Security in the European Union - Volume II - THE EUROPEAN ENERGY SYSTEM. ACHIEVING SUSTAINABILITY AND SECURITY Fabio Orecchini, Fabrizio Zuccari, Adriano Santiangeli, Alessandro Dell'Era, Ausilio Bauen, 2014-08-26 The issue of energy is crucial for the future of the European Union and its population The scientific community and the public are discussing many problems the utility of so called renewable the looking for new sources of energy that could change the global balance the need to promote sustainable development and to ensure the safety of citizens the geopolitical consequences that energy brings Italy and Europe are at the forefront of many of these issues and this text is hoping to make a useful contribution in respect of some of them offering case studies and reflections of some leading researchers and intellectuals European Energy and Climate Security Rossella Bardazzi, Maria Grazia Pazienza, Alberto Tonini, 2015-09-28 As energy is becoming one of the crucial concerns in the EU this volume provides an in depth analysis and interdisciplinary perspective on European energy security Given the multidimensional nature of energy security in terms of physical availability affordability and geopolitical security it brings together authors from different backgrounds pursuing a distinctly multidisciplinary approach The authors different perspectives correspond to the three sections of the book international relations which focuses on Eastern EU partners energy economics which highlights the current unconventional hydrocarbons revolution and its impact on EU energy and climate strategies and public policy which analyzes EU policies in the context **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

The Future of Energy Consumption, Security and Natural Gas Kari

Liuhto,2021-08-23 This book analyses the recent development of liquefied natural gas LNG in the Baltic Sea region and how energy security in the region has improved after Finland Lithuania Poland Russia and Sweden have constructed their LNG import terminals In addition to these LNG receiving units the book deals with the major pipeline projects such as Baltic Pipe Balticconnector Nord Stream 2 and Gas Interconnection Poland Lithuania and their impact on energy security of the Baltic Sea region This book will be of interest to experts specialising in European energy markets and energy security

Energy Security and Natural Gas Markets in Europe Tim Boersma,2015-08-27

Moving beyond most conventional thinking about energy security in Europe which revolves around stability of supplies and the reliability of suppliers this book presents the history of European policy making regarding energy resources including recent controversies about shale gas and fracking Using the United States as a benchmark the author tests the hypothesis that EU energy security is at risk primarily because of a lack of market integration and cooperation between member states This lack of integration still prohibits natural gas to flow freely throughout the continent which makes parts of Europe vulnerable in case of supply disruptions The book demonstrates that the EU gas market has been developing at different speeds leaving the Northwest of the continent reasonably well integrated with sufficient trade and liquidity and different supplies whereas other parts are less developed In these parts of Europe there is a structural lack of investments in infrastructure interconnectors reverse flow options and storage facilities Thus even though substantial progress has been made in parts of the EU single source dependency often prevails leaving the relevant member states vulnerable to market power abuse Detailed comparisons are made of the situations in the Netherlands and Poland and of energy policy in the USA The book dismantles some of the existing assumptions about the concept of energy security and touches upon the level of rhetoric that features in most energy security and policy debates in Europe

Soviet Energy Exports and Western European Energy Security United States.

Congress. Senate. Committee on Governmental Affairs. Subcommittee on Energy, Nuclear Proliferation, and Government Processes,1982

Investing in EU Energy Security Henrik Bjørnebye,2010-01-01 La 4e de couverture indique Since the introduction a quarter century ago of market based investments in the production of electricity and other critical services our awareness of the underlying issues affecting the supply and consumption of energy has changed radically No longer can

Europe or any region rely on over capacity of electricity generation and inexpensive primary energy fuels or disregard the signs of potentially catastrophic climate change The author of this timely and sharply focused book shows that in the light of our current knowledge ensuring new investments and the right investments in electricity generation constitutes an urgent energy policy challenge facing the EU over the coming decades He accordingly makes the case for a serious reconsideration of the market facilitation and market intervention rules under electricity market legislation in the EU In the first detailed legal analysis of the EU s internal electricity market framework for investments in electricity generation facilities from the perspective of security of supply this book cover such legal issues as the following in precise detail applicability of the Treaty on the Functioning of the European Union TFEU security of supply as a ground for exemption on the basis of public security justifications of public intervention the applicability of EU State aid provisions to investments in energy security requirements imposed by EU law on Member States for ensuring cost efficient investments in European supply security facilitation of renewable energy sources and cogeneration in the environmental interest the Court of Justice s approach to Member State interventions the Court s decisions on restrictions on free movement in the environmental interest Member States right to launch tendering procedures for new generation capacity Member States right to impose public service obligations in the general economic interest on certain undertakings and relationship between the provisions of the TFEU and those of the Euratom Treaty in relation to investments in nuclear power generation Throughout the study in addition to his analysis of the decisions of the Court of Justice and the Court of First Instance the author takes into account legal literature and Union reports preparatory works and working papers The book demonstrates convincingly that today s energy supply challenges must be based on a broader balancing of security competitiveness and sustainability interests It suggests that the internal electricity market provisions of the Electricity Directive and the Security of Electricity Supply Directive would benefit from focusing more intensely on requiring investments in technologies and primary energy sources that will help mitigate climate change and reduce European energy import dependency and less on the need for ensuring cost efficient investments through market based means Through its detailed analysis of EU law in an area of great significance to both market participants and the public sector Investing in EU Energy Security will be welcomed by legal advisors whether working for the EU electricity industry or public agencies responsible for implementation of internal electricity market measures as well as by academics in this hugely important field of current research

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