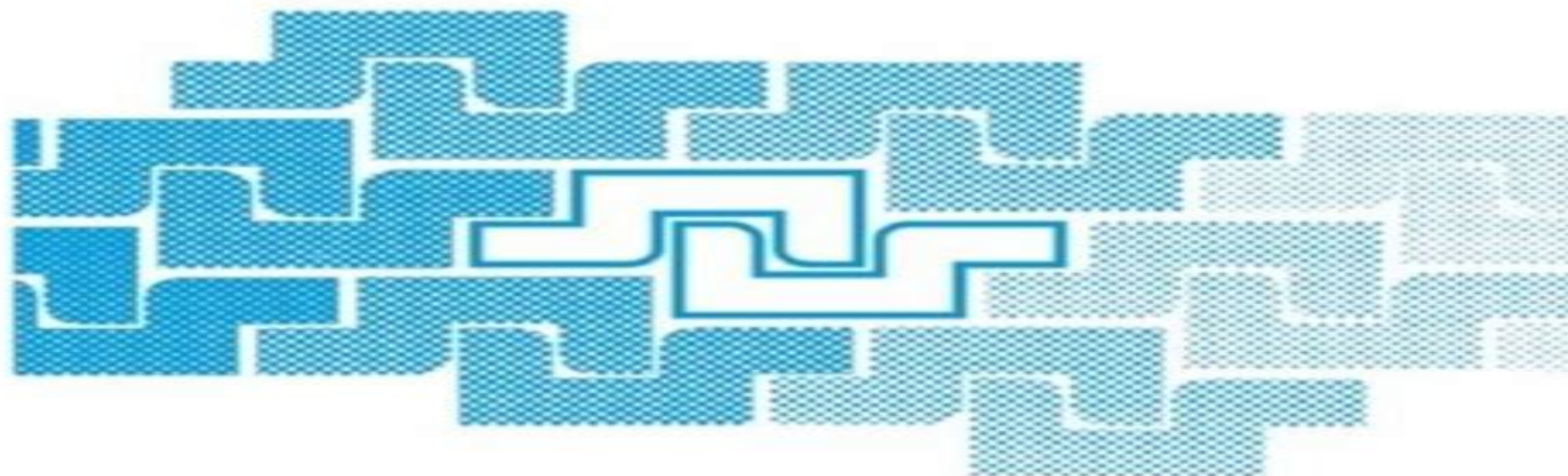




Security of Natural Gas Supply through Transit Countries

Edited by

Jens Hetland and Teimuraz Gochitashvili

NATO Science Series

Security Of Natural Gas Supply Through Transit Countries

Alessandro Niglia



Security Of Natural Gas Supply Through Transit Countries:

Security of Natural Gas Supply through Transit Countries Jens Hetland, Teimuraz Gochitashvili, 2004-06-29 Jens HETLAND the commercialisation of natural gas fields is inherently linked to rigid transportation systems that require huge investments in tangible assets fixed to specific locations the supply of natural gas is constrained by the transportation system and requires access to appropriate infrastructure for transport and distribution the trading of natural gas is traditionally associated with long term contracts albeit the duration per se of gas transport contracts appears to be less important after the deregulation of the energy markets As diversification is strategically important to modern societies the security of energy supplies becomes an inherent issue In order to avoid situations of shortage and to keep the price level stable industrial nations are paying attention to the security of energy supplies In brief terms this means that having more than one supplier of natural gas and more than one transport route would be strategically important This also affects political issues and international law and regulations economics science and technology The purpose of this book is to address opportunities extended from science and research pertaining to the exploitation and international trading of natural gas that involves transit countries This especially relates to the transport and handling of gas from remote regions and pipelines that are

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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

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

Export Pipelines from the CIS Region

Andreas,2014-04-15 This timely collection offers fresh perspectives to the analysis of the New Great Game the fight for access to the Caspian Sea region s energy resources To date the export of the Caspian crude oil and natural gas has only been assessed geopolitically which oversimplifies the political dynamics of the region and neglects to acknowledge the Caspian countries as actors in their own right

The Palgrave Handbook of Natural Gas and Global Energy Transitions Damilola S. Olawuyi,Eduardo G.

Pereira,2022-05-04 The Palgrave Handbook of Natural Gas and Global Energy Transitions provides an in depth and authoritative examination of the transformative implications of the ongoing global energy transitions for natural gas markets across the world With case studies from Africa Asia Europe North America Latin America South America Australia and the Middle East the volume introduces readers to the latest legal policy technological and fiscal innovations in natural gas

markets in response to ongoing global energy transitions It outlines the risk mitigation strategies and contractual techniques focusing on resilience planning low carbon business models green procurement climate smart infrastructure development accountability gender justice and other sustainability safeguards that are required to maximize the full value of natural gas as a catalyst for a just and equitable energy transition and for energy security across the world Written in an accessible style this book outlines the guiding principles for a responsible and low carbon approach to the design financing and implementation of natural gas development and commercialization It is an indispensable text and reference work for students scholars practitioners and stakeholders in natural gas energy infrastructure and environmental investments and projects

Transnational Security Marie-Helen Maras,2014-10-09 Globalization and the easy movement of people weapons and toxins across borders has transformed security into a transnational phenomenon Preventing transnational security threats has proven to be a very difficult challenge for governments and institutions around the world Transnational Security addresses these issues which are at the forefront of every global security professional s agenda This book analyzes the most pressing current transnational security threats including weapons of mass destruction terrorism organized crime cybercrime natural disasters human made disasters infectious diseases food insecurity water insecurity and energy insecurity It considers the applicable international laws and examines how key international organizations are dealing with these issues The author uses a combination of theory and real world examples to illustrate the transnational nature of security risks By providing a detailed account of the different threats countermeasures and their implications for a number of different fields law public policy and administration security and criminology this book will be an extremely useful resource for academicians practitioners and graduate and upper level undergraduate students in these areas

The Protection of Critical Energy Infrastructure Against Emerging Security Challenges Alessandro Niglia,2015-10-15 Critical energy infrastructure such as oil and gas pipelines storage facilities and electricity grids are increasingly becoming the target of criminal and terrorist attacks This book contains the papers presented at the NATO Advanced Research Workshop ARW The Protection of Critical Energy Infrastructure against Emerging Security Challenges held in Tbilisi Georgia in November 2014 The main objective of this ARW was to investigate the security risks to critical energy infrastructure namely cyber and terrorist attacks as well as to identify opportunities for public private partnerships to meet these risks The workshop served as a forum for experts and stakeholders from government academia and the private sector to exchange information and best practice and to produce findings and recommendations for integrated security solutions involving close cooperation between public and private stakeholders Underlining the importance of a holistic approach to European energy security this book will be of interest to all those involved in protecting critical energy infrastructure from a diverse range of threats

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

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