

# Energy, Natural Resources And Environmental Economics

[DOWNLOAD HERE](#)

1;Energy, Natural Resources and Environmental Economics;1 1.1;Preface ;5 1.2;Contents ;7  
1.3;Overview of the Contributions ;11 1.4;List of Contributors ;15 1.5;Part I Petroleum and Natural Gas;19  
1.5.1;Investment Strategy of Sovereign Wealth Funds;20 1.5.1.1;1 Introduction;20 1.5.1.2;2 The  
Development of Sovereign Wealth Funds;21 1.5.1.3;3 Investment Strategy;25 1.5.1.3.1;3.1 Framework  
for Optimal Investment Strategy;25 1.5.1.3.1.1;3.1.1 The Liability Profile;26 1.5.1.3.1.2;3.1.2 Asset  
Allocation Policy;26 1.5.1.3.1.3;3.1.3 Passive or Strategic/Active Investment Style;29 1.5.1.4;4  
Conclusion;31 1.5.1.5;References;34 1.5.2;Chasing Reserves: Incentives and Ownership;35 1.5.2.1;1  
Introduction;35 1.5.2.2;2 Booked Reserves;36 1.5.2.2.1;2.1 Differences Between PSC and Concession  
Reserves;38 1.5.2.2.2;2.2 Petroleum Reserves: Definitions;38 1.5.2.2.3;2.3 The Role of the Reserves  
Report;40 1.5.2.3;3 Shtokman;41 1.5.2.4;4 Peregrino;46 1.5.2.5;5 Conclusion;51 1.5.2.6;References;54  
1.5.3;Elastic Oil: A Primer on the Economics of Exploration and Production;55 1.5.3.1;1 Introduction;55  
1.5.3.2;2 Previous Research;59 1.5.3.3;3 NCS Exploration and Production;61 1.5.3.4;4 A Simple Model  
of NCS Exploration;65 1.5.3.5;5 A Simple Model of NCS Production;69 1.5.3.6;6 Concluding Remarks;72  
1.5.3.7;References;73 1.5.4;Applied Mathematical Programming in Norwegian Petroleum Field and  
Pipeline Development: Some Highlights from the Last 30 Years;75 1.5.4.1;1 Introduction;75 1.5.4.2;2  
Some Historic Remarks;76 1.5.4.3;3 Main Deterministic Model Assumptions;77 1.5.4.4;4 Some  
Representative Deterministic Modelling;78 1.5.4.4.1;4.1 Start of Projects;78 1.5.4.4.2;4.2 Alternatives;78  
1.5.4.4.3;4.3 Production Decisions;79 1.5.4.4.4;4.4 Global Constraints;80 1.5.4.4.5;4.5 Transportation  
and Market Constraints;80 1.5.4.4.6;4.6 The Objective;81 1.5.4.5;5 Stochastic Development Planning;82  
1.5.4.6;6 A Surprisingly Flexible Modelling Environment;83 1.5.4.7;7 Practical Model Usage;83 1.5.4.8;8  
What About Today?;84 1.5.4.9;References;84 1.5.5;Analysis of Natural Gas Value Chains;86 1.5.5.1;1  
Introduction;86 1.5.5.2;2 Literature Review;87 1.5.5.3;3 The Natural Gas Value Chain;88 1.5.5.3.1;3.1  
Production and Processing;89 1.5.5.3.2;3.2 Transportation;89 1.5.5.3.3;3.3 Storage;89 1.5.5.3.4;3.4  
Markets;89 1.5.5.3.5;3.5 Mathematical Models;90 1.5.5.3.6;3.6 System Effects;92 1.5.5.3.7;3.7 Markets  
and the Portfolio Perspective;93 1.5.5.3.8;3.8 Modeling Competition;94 1.5.5.4;4 Conclusions;96

1.5.5.5;References;96 1.5.6;On Modeling the European Market for Natural Gas;98 1.5.6.1;1  
Introduction;98 1.5.6.2;2 Previous Modeling;101 1.5.6.3;3 Behavior;103 1.5.6.3.1;3.1 Non-Negative  
Sales;104 1.5.6.3.2;3.2 Optimization Approach;105 1.5.6.4;4 The Generalized Transportation Model;105  
1.5.6.4.1;4.1 Noncompetitive Behavior;107 1.5.6.4.1.1;4.1.1 A Numerical Example;108 1.5.6.5;5  
Network;111 1.5.6.6;6 Conclusion;114 1.5.6.7;References;114 1.5.7;Equilibrium Models and Managerial  
Team Learning;116 1.5.7.1;1 Introduction;116 1.5.7.2;2 Managerial Team Learning;117 1.5.7.3;3  
VisualGas;120 1.5.7.4;4 Research Methodology;121 1.5.7.5;5 Findings and Analysis;122 1.5.7.5.1;5.1  
Concepts Used in the Two Sessions;122 1.5.7.5.2;5.2 Description of the First Session (without  
VisualGas);123 1.5.7.5.3;5.3 Description of the Second Session (with VisualGas);124 1.5.7.5.4;5.4  
Comparison of the Sessions;125 1.5.7.6;6 Concluding Remarks;127 1.5.7.7;References;128  
1.5.8;Refinery Planning and Scheduling: An Overview;130 1.5.8.1;1 Introduction;130 1.5.8.2;2 Crude Oil  
Selection and Crude Oil Scheduling;132 1.5.8.2.1;2.1 Selection of Crude Oils;133 1.5.8.2.2;2.2  
Scheduling of Crude Oils;134 1.5.8.3;3 Production Planning and Scheduling;136 1.5.8.3.1;3.1 Production  
Planning;137 1.5.8.3.2;3.2 Production Scheduling;139 1.5.8.4;4 Product Blending and Recipe  
Optimization;141 1.5.8.5;5 Discussion and Further Research;143 1 EAN/ISBN : 9783642120671  
Publisher(s): Springer, Berlin Format: ePub/PDF Author(s): Bjrndal, Endre - Bjrndal, Mette - Pardalos,  
Panos M. - Rnnqvist, Mikael

[DOWNLOAD HERE](#)

Similar manuals: