



Call for Contributions

Sustainability in the Oil & Gas Industry

An edited collection to be published by Palgrave Macmillan

Co-edited by:

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The John Molson School of Business at Concordia University kindly invites contributions to the forthcoming edited book *Sustainability in the Oil & Gas Industry* to be published by **Palgrave Macmillan**.

ABOUT THE BOOK

The push for sustainability in the oil and gas sector has taken center stage in both climate action debates and mitigation/adaptation efforts in past decades.

Numerous publications, reports, books, and conventions have presented, analyzed, and compared the actions and strategies taken by governments, non-governmental organizations, and the private sector – all in hopes of curbing both the direct emissions linked to the exploration, production, transportation, and refining of carbon fuels as well as the emissions stemming from their eventual use. Extant reports and studies discuss specific scenarios tied to the oil and gas industry such as flaring, water usage, methane emissions, plastics waste and recycling, greenhouse gas emissions, and carbon reduction, which also offer insights into substitute products including alternative sources of energy in, e.g., the utility and transportation sector.

Sustainability in the Oil & Gas Industry is a forthcoming edited collection that will explore the unique risks, opportunities, challenges, and societal implications associated with the oil and gas industry, both for today and for the future. It will explore the realities of the energy sector within

corporations unwilling to shift towards sustainable practices, and those adopting sustainable practices while experiencing their limitations. The collection aims to investigate the readiness of businesses and policies in adapting to climate change, among other related public pressures, and to assess strategies that move beyond the current incremental approaches. The latter requires analyzing the trajectories that are needed for businesses and policies to attain mitigation targets in the timeline mandated by the United Nations' 2030 Agenda.

CALL FOR CONTRIBUTIONS

Sustainability in the Oil & Gas Industry aims to explore and present new developments and advancements made in the oil and gas industry by the push for sustainable outcomes for future generations.

The editors are accepting contributions by experts in both the **academic** and **practitioner** communities at the interface of oil and gas exploration, production, refinement, and transportation, as well as related fields such as sustainability, engineering, business, economics, public affairs, social science, environmental studies, law, development studies, finance and entrepreneurship. The editors are inviting contributions that:

- Explain and demonstrate understanding of sustainability in the oil and gas industry using various types of models,
- Look at possible policy and sustainability-oriented solutions that can be applied in the oil and gas industry,
- Explore the theory and mechanisms that further create a sustainable environment in the oil and gas industry, and/or
- Present recent sustainable advancements and how they can be leveraged when applied to the oil and gas industry.

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The co-editors will also be accepting chapters that go beyond the fields of sustainability, the oil and gas market, and economics. In addition, chapters that use case studies or comparative studies (between different solutions, applications in different industries, or variations between regions) are strongly encouraged. The submissions will be reviewed with an open mind and with a particular focus on the relevance of the chapter with respect to sustainability in the oil and gas industry.

POTENTIAL TOPICS FOR CHAPTERS:

1. BACKGROUND, OBJECTIVES, AND CONTRIBUTIONS

1.1. Limits to climate change mitigation strategies in the oil and gas sector

1.2. Business and policy challenges and opportunities

2. THE POLITICS OF ENERGY AND SUSTAINABILITY

2.1. Understanding industry hazards and their management

2.2. Geo-engineering and climate management

3. THE FUTURE OF FOSSIL FUELS

- 3.1. Fossil fuel subsidies
- 3.2. Carbon pricing/carbon taxation
- 3.3. Biofuel and other alternative fuels
- 3.4. Renewable energy (wind, solar, geothermal)
- 3.5. The future of nuclear power (challenges and opportunities)
- 3.6. Battery electric vehicles (BEVs)
- 3.7. Hydrogen fuels
- 3.8. Stranded assets

4. ADAPTING URBAN SETTLEMENTS AND TRANSPORTATION

- 4.1. Urban planning and design
- 4.2. Buildings and construction (design, materials, codes/standards/certifications, retrofitting)
- 4.3. Local modes of transportation
- 4.4. Intra-continental travel (rail, advanced trains, and emerging technologies, aviation fuel, turbofan/turboprop engines, emissions and contrails, emerging technologies)
- 4.5. Global product transport and logistics

5. ADAPTING PRODUCTION AND CONSUMPTION PATTERNS

- 5.1. Demand-side management
- 5.2. Supply-side management
- 5.3. New and emerging modes of production and consumption

6. FINANCING CLIMATE ADAPTATION IN THE ENERGY SECTOR

- 6.1. ESG investments (trends, renewable energy investments, partnerships, water)
- 6.2. Climate finance (private climate finance, green funds, adaptation funds, the low carbon market, divestment, etc.)
- 6.3. Evaluating and managing the financial risks of adaptation
- 6.4. Natural capital accounting (efforts, innovations, and effects)
- 6.5. Financial policies

7. LIMITATIONS AND THE FUTURE OF REGULATING ENERGY

- 7.1. Political and policy limits
- 7.2. Capital limits
- 7.3. Technological limits
- 7.4. Societal and cultural limits

IMPORTANT DATES

- Abstract and CV submission deadline – **February 28, 2022**
- Selection of abstracts and notification to successful contributors – **March 15, 2022**
- Full chapter submission – **May 31, 2022**
- Revised chapter submission – **July 15, 2022**

GUIDELINES FOR CONTRIBUTORS

Submissions should be written in English using a non-technical writing style. The contributions may include diagrams/illustrations in order to present data, or photographs/figures (all in black & white) to better illustrate the topic of discussion. Submitted chapters should be original and exclusively prepared for the present book. No part of the article should be published elsewhere. Chapters must not exceed 7,000 words (including all references, appendices, biographies, etc.), must use 1.5-line spacing and 12 pt. Times New Roman font, and must use the APA 7th edition reference style.

Researchers and practitioners are invited to submit abstracts of no more than 500 words, a bibliography for their proposed chapter, and a CV. Abstract submissions are expected by February 28th, 2022. Submissions should be sent via email to oil.gas@concordia.ca.

Authors will be notified about the status of their proposals and will be sent complete chapter guidelines. Full chapters are expected to be submitted by **May 31st, 2022**. Please note that there are no submission or acceptance fees for the manuscripts.

ABOUT THE EDITORS

Thomas Walker

Dr. Walker holds a BSc in Management Information Systems from the Technical University of Darmstadt, Germany, and an MBA and PhD degree in Finance from Washington State University. Prior to his academic career, he worked for several years in the German consulting and industrial sector at such firms as Mercedes Benz, Utility Consultants International, Lahmeyer International, Telenet, and KPMG Peat Marwick. His research interests are in emerging risk management, corporate finance, venture capital, sustainability & climate change, FinTech, corporate governance, securities regulation and litigation, insider trading, and institutional ownership, and he has published over 70 articles, book chapters, and edited books in these areas. He is the lead editor of seven books on sustainable financial systems, sustainable real estate, sustainable aviation, environmental policy, emerging risk management, innovations in social finance, and water risk management. Dr. Walker currently serves as the principal investigator on research grants by the Social Sciences and Humanities Research Council (SSHRC), the Autorité des marchés financiers, and the Global Risk Institute. In 2018, he founded the Emerging Risks Information Center (ERIC, <https://emerging-risks.com>) which conducts targeted research on environmental, technological, and societal risks that affect our world today. In 2021, he became the inaugural director for the Jacques Menard/BMO Center for Capital Markets Research at Concordia University and the Concordia University Research Chair in Emerging Risk Management (Tier 1).

Sergey Barabanov

Sergey S. Barabanov, PhD, is an associate professor of finance at the Opus College of Business, University of Saint Thomas. He teaches graduate and undergraduate investments, corporate finance, fixed income and financial management courses. He has also developed two “professor plus professional” courses, which professors teach alongside industry executives. One of these courses focuses on distressed oil and gas firms’ analysis. His teaching innovation brings together academic knowledge with the latest hands-on investment experience for students. Dr. Barabanov has always been passionate about providing new opportunities for students and bringing the latest research findings to his courses. Sergey Barabanov’s current research focuses on institutional investors, corporate governance, securities litigation, behavioral finance and socially responsible investing. Barabanov has served as a CFO, controller, chief accounting officer and a business consultant for several international firms and government agencies.

Maya Michaeli

Maya is a recent undergraduate at John Molson School of Business where she studied in Finance. She currently serves as a research assistant in the Department of Finance at Concordia University and has submerged herself in her love for financial markets, specifically in her portfolio management. Maya also wishes to continue to pursue her academic career in Finance, as an MSc student. Her research interests include risk management, speculative investing, real estate investment trusts, and sustainable investment opportunities.

Victoria Kelly

Victoria Kelly holds a BSc in Biology with an additional major in Irish Studies. She has worked with the Emerging Risks Information Center at Concordia University since 2020, where she has been involved in numerous book projects and research papers in the area of sustainability, climate change, and with management. She plans to continue her studies with an independent master’s degree examining the 1832 Cholera epidemic in Montreal and its management on a social, urban, economic, and medical level, drawing parallels with the recent COVID-19 pandemic.