
Middle East and North Africa Energy 2018

Supply, demand and stability



Monday 29 and Tuesday 30 January 2018

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Middle East and North Africa Energy

Supply, demand and stability

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Monday 29 and Tuesday 30 January 2018

Chatham House, London

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Refreshments and lunch

Refreshments and a buffet lunch will be served in the refreshment area on the ground floor. Should you have any special dietary requirements please make these known to the conference staff as soon as possible.

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Questionnaire

We would be grateful if you would complete the delegate questionnaire and hand it in during the final session of the conference or at the registration desk on your departure. Questionnaires are entered into a prize draw at the end of the conference.

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Monday 29 January

0830 Registration and refreshments

0930 Welcome and chair’s opening remarks
Robin Niblett, *Director, Chatham House*

Overview | Geopolitics and the MENA Region

0940 – 1045

This opening discussion will explore the political developments affecting strategic relations and power balances within the MENA region.

- As the current US presidential administration evolves, is a strategy emerging in terms of its approach to the MENA region?
- What effects are the consolidation of domestic power in Saudi Arabia and the Kingdom’s interventionist foreign policy having on the region?
- What geopolitical risks could the current instability in Iran bring to the region?
- How will Russia’s influence in the region develop? What are the strategic goals that it is likely to prioritize and what will be the effects on energy markets?

Moderator

Robin Niblett, *Director, Chatham House*

Panellists

Alan Eyre, *Director of the Energy Bureau’s Office of the Middle East and Asia, US Department of State*

Ellie Geranmayeh, *Senior Policy Fellow (MENA), European Council on Foreign Relations*

Denis Chaibi, *Head of the Task Force Iran, European External Action Service*

Tatiana Mitrova, *Director, Energy Center, SKOLKOVO Business School and Head of Research, Energy Research Institute of the Russian Academy of Sciences*

1015 Questions and discussion

1045 In conversation | Perspectives on exploration and production potential in the MENA region
(On the record)

Claudio Descalzi, *CEO, Eni*

Chair: **Robin Niblett**, *Director, Chatham House*

1115 – 1145 Refreshments

Session One | Maintaining Stability and Managing Prices

1145 – 1315

Attempts by OPEC and its allies to rebalance global oil markets and raise prices through supply cuts appear to have helped tighten the market. This session will focus on contemporary political and market challenges to attempts to control supply and manage global oil prices.

- To what extent have recent oil price rises been driven by political uncertainties rather than changes to oil supply?
- Will the extension of OPEC-led supply cuts through to the end of 2018 have the intended effect? How can the agreement be unwound? Could it be extended?
- What will be the cost to their global competitiveness and economic diversification strategies if OPEC producers keep oil prices at their desired level?
- How are the dynamics of the prospective Aramco listing influencing Saudi Arabia's strategy towards managing supply and prices?
- What levels of capital expenditure can be expected by international oil companies (IOCs) and national oil companies (NOCs) at current prices?

Chair

Paul Stevens, *Distinguished Fellow, Energy, Environment and Resources, Chatham House*

Ministerial address (on the record)

1145 **HE Jabar Ali al-Luaibi**, *Minister of Oil, Iraq*

1200 Questions and discussion

Speakers

1210 **Abdulla Al Qadi**, *Exploration and Production Executive Director, Crescent Petroleum*

1220 **Kamel Ben Naceur**, *Chief Economist, ADNOC Group*

1230 **Ed Rawle**, *Chief Economist, Wood Mackenzie*

1240 **Carole Nakhle**, *CEO, Crystol Energy*

1250 Questions and discussion

1315 – 1415 Lunch

Session Two | Changing Demand for Oil

1415 – 1530

The implications of a long-term global shift away from fossil fuels will require new strategies for MENA producers with large low-cost reserves. This panel will focus on the implications of this shift and ask where future growth in oil demand might come from, with a focus on current dynamics in key Asian markets.

- How will advances in energy technology affect future oil demand?
- In what ways do economic links between MENA countries and key export markets in Asia, particularly in China and India, need to be strengthened and how can this be achieved?
- How will the implementation of international agreements to mitigate climate change affect global oil demand?
- If oil's share of the global energy mix declines more rapidly than predicted, and the share of natural gas and renewables rises, what implications will this have for the MENA region?
- Where are the future centres of oil demand? For example how will China's economic ambitions in Asia and beyond affect oil demand and energy exports from MENA producers?

Chair

Javier Blas, *Chief Energy Correspondent, Bloomberg*

Speakers

- 1415 **Bob Dastmalchi**, *Vice President of Business Development for Europe, Eurasia and Middle East, Chevron*
- 1425 **Coby van der Linde**, *Director, Clingendael International Energy Programme, and Member of the International Advisory Board, KAPSARC*
- 1435 **Ali Al-Saffar**, *Energy Analyst, World Energy Outlook, International Energy Agency*
- 1445 **Simone Pugliese**, *COO, Kayrros*
- 1455 Questions and discussion

1530 – 1600 Refreshments

Session Three | Prospects for Gas

1600 – 1730

In a time of rising supply, this panel will look at the prospects for natural gas and assess the potential impacts of changes in pricing and global demand on the MENA regions gas producers.

- Natural gas is predicted to account for a quarter of global energy demand by 2040. How will this shift affect power balances among global gas producers and what are the implications for the MENA region?
- Rising supply and growth in US exports is giving more power to buyers, changing the dynamics of the global liquefied natural gas (LNG) market. In what ways is this increased competition affecting MENA exporters?
- There is increasing cooperation and joint working between Asian LNG importers - the biggest market for MENA gas exports - in areas such as shipping, storage and to secure more flexible contracts. How are Asian markets changing and with what impact on exporting countries?
- How will investment strategies and business models in the MENA region need to adapt to these new realities?
- How can MENA gas producers reconfigure terms of investment and pricing frameworks to encourage the international investment and input needed to unlock gas reserves?

Chair

Bassam Fattouh, *Director, Oxford Institute for Energy Studies*

Keynote address

1600 **HE Yury P Sentyurin**, *Secretary General, Gas Exporting Countries Forum*

1615 Panel Discussion

HE Yury P Sentyurin, *Secretary General, Gas Exporting Countries Forum*

Maria van der Hoeven, *Senior Fellow, Clingendael International Energy Programme*

Melanie Kenderdine, *Principal, Energy Futures Initiative and Non-resident Fellow, Atlantic Council*

Guy Broggi, *Senior LNG Advisor, Total (2012-17)*

1700 Questions and discussion

1730 **End of day one and reception hosted by Chatham House**

Tuesday 30 January

Session Four | Renewables and the Energy Transition

0930 – 1045

From the opening of the world's largest concentrated solar plant in Morocco to the recent announcement of the \$500 billion NEOM project in Saudi Arabia, ambitious projects are being planned and developed across the MENA region to maximize the economic opportunities offered by renewable energy. This panel will assess the landscape of renewable energy in the region and prospects for further development.

- What kind of structural reforms of pricing mechanisms and regional energy markets are needed to open up more private sector participation and opportunities in renewables development?
- How are partnerships between governments and the private sector enabling the development of transformative projects?
- What support and policy frameworks need to be put in place to attract private investment and international project finance?
- What role will renewable energy technologies play in the future domestic energy mix in MENA countries?
- What impact will international climate change obligations have on energy policies in the region?

Chair

Seb Henbest, *Head of EMEA and Lead Author, New Energy Outlook, Bloomberg New Energy Finance*

Speakers

0930 **Bruce Smith**, *Advisor and (acting) Director of Forecasting and Planning, Abu Dhabi Water and Electricity Company*

0940 **Sami Khoreibi**, *CEO, Enviromena Power Systems*

0950 **Caroline Faasen**, *Senior Engineer, Renewable Advisory DNV GL*

1000 **Glada Lahn**, *Senior Research Fellow, Energy, Environment and Resources, Chatham House*

1010 **Questions and discussion**

1045 – 1115 **Refreshments**

Session Five | Economic and Political Transformations

1115 – 1300

In the context of recent low oil prices in the region and their impact on national budgets, this panel will assess policies to increase economic diversification. It will also address what options are open to the region's energy exporting countries to reform their economies, create sectors for new employment and harness the potential of the next generation of citizens.

- What has been the impact of recent economic reforms? What further actions need to be taken to increase investment, diversification and job creation?
- Is there sufficient appetite for economic reform within the current political and security climate?
- What political and economic challenges are demographic changes across the Gulf creating?
- Into which sectors can the region attract greater international investment? Which future projects can provide the biggest growth opportunities?

Chair

Tim Eaton, *Research Fellow, Middle East and North Africa Programme, Chatham House*

Keynote address

1115 **Mustafa Sanalla**, *Chairman, National Oil Corporation, Libya*

1130 Questions and discussion

Chair

Valérie Marcel, *Associate Fellow, Energy, Environment and Resources, Chatham House*

Speakers

1140 **Fahad Alturki**, *Chief Economist and Head of Research, Jadwa Investment*

1150 **Farouk Soussa**, *Chief Economist for the Middle East, Citi*

1200 **Laury Haytayan**, *Acting MENA Regional Program Manager, Natural Resource Governance Institute*

1210 **Tim Callen**, *Mission Chief for Saudi Arabia, International Monetary Fund*

1220 Questions and discussion

1300 End of conference and lunch

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Monday 29 and Tuesday 30 January 2018, Chatham House, London

BIOGRAPHIES

ROBIN NIBLETT

Director
Chatham House

Dr Robin Niblett CMG became the Director of Chatham House in 2007. He was previously Executive Vice-President and Chief Operating Officer of the Center for Strategic and International Studies (CSIS) in Washington DC from 2001 to 2006. During his last two years at CSIS, he also served as Director of the CSIS Europe Programme and its Initiative for a Renewed Transatlantic Partnership. He is a frequent panellist at conferences and events around the world and has testified on a number of occasions to the House of Commons Defence Select Committee and the Foreign Affairs Committee, as well as the US Senate and House of Representatives Committees on European Affairs. He received his DPhil, MPhil and BA from New College, Oxford.

ALAN EYRE

Director of the Energy Bureau's Office of the Middle East and Asia
US Department of State

Alan Eyre is Director of the Office of the Middle East and Asia for the US Department of State's Energy Bureau, where he ensures strategic energy considerations are integrated into US policy for these regions. In over 33 years of government service his major professional focus has been on the Middle East. He is one of the US government's foremost experts on Iran and was a core member of the US government team that negotiated the July 2015 Joint Comprehensive Plan of Action nuclear agreement. He has served in Nigeria, Syria, UAE, Azerbaijan and the UK.

ELLIE GERANMAYEH

Senior Policy Fellow (MENA)
European Council on Foreign Relations

Ellie Geranmayeh is Senior Policy Fellow in the Middle East and North Africa Programme at the European Council on Foreign Relations. She focuses on European foreign policy in relation to Iran, particularly on the nuclear and regional dossiers. Her expertise also covers wider regional dynamics, particularly in Iraq and Saudi Arabia, and geopolitical trends in the Middle East. From 2013 to 2015 she closely followed and advised governments and companies on the nuclear negotiations between Iran and world powers. Previously she worked on sanctions policy at the law firm Herbert Smith Freehills. She has a BA in Law from the University of Cambridge.

DENIS CHAIBI
Head of the Task Force Iran
European External Action Service

Denis Chaibi is Head of the Task Force Iran in the European External Action Service. He previously served in Washington as acting Head of the Political Section, and more recently as Deputy Head of Cabinet of the Commissioner for Budget and Human Resources. Before that, he occupied various positions in the European Commission, including Assistant European Correspondent, Head of Sector in the trade department and administrator for the EU's relations with India. He also served as Deputy Ambassador in the EU Delegation in Cyprus during the EU enlargement negotiations and the UN negotiations on the possible reunification of the island. In parallel, he has taught courses on International Relations at the Brussels Free University, Boston University and Yale University, where he was the EU fellow from 2003 to 2004.

TATIANA MITROVA
Director, Energy Center, SKOLKOVO Business School;
Head of Research, Energy Research Institute of the Russian Academy of Sciences

Dr Tatiana Mitrova is Director of the Energy Center at the Skolkova Business School and Head of Research at the Energy Research Institute of the Russian Academy of Sciences. She is also a Research Scholar at the Center on Global Energy Policy at Columbia University and Senior Visiting Research Fellow of the Oxford Institute for Energy Studies. She has more than 20 years' experience in the analysis of Russian and global energy markets, including production, transportation, demand, energy policy, pricing and market restructuring. She is the author of four books and more than 120 publications in scientific and business journals, and she serves as Head of the annual 'Global and Russian Energy Outlook up to 2040' project. She is a graduate of Moscow State University's Economics Department.

CLAUDIO DESCALZI
CEO, Eni S.p.A.

Claudio Descalzi has served as CEO of Eni since May 2014. He joined the company in 1981 as an oil and gas field petroleum engineer and has served in numerous roles, including Chief Operating Officer in the Exploration and Production Division from 2008 to 2014 and Chairman of Eni UK from 2010 to 2014. In 2012, he was awarded the prestigious Charles F. Rand Memorial Gold Medal by the Society of Petroleum Engineers and the American Institute of Mining Engineers, and in December 2015 he was made a member of the Global Board of Advisors of the Council on Foreign Relations. He is a member of the General Board and the Advisory Board of Confindustria and Director of Fondazione Teatro alla Scala, as well as of the National Petroleum Council for 2016–2017. He is also a Visiting Fellow at the University of Oxford, and in December 2016 he was awarded an Honorary Degree in Environmental and Territorial Engineering by the Faculty of Engineering of the University of Rome, Tor Vergata. He graduated in Physics from the University of Milan.

PAUL STEVENS**Distinguished Fellow, Energy, Environment and Resources
Chatham House**

Professor Paul Stevens is Distinguished Fellow in Energy, Environment and Resources at Chatham House, having first joined the Institute in 2008. Between 1993 and 2007 he was Professor of Petroleum Policy and Economics at the Centre for Energy, Petroleum and Mineral Law and Policy at the University of Dundee, where he is now Professor Emeritus. Before that he was a Lecturer/Senior Lecturer in Economics at the University of Surrey from 1979 to 1993, and from 1973 to 1979 he taught at the American University of Beirut in Lebanon, interspersed with two years as an oil consultant. He has published extensively on energy economics, the international petroleum industry, economic development issues and the political economy of the Gulf. In March 2009 he was presented with the OPEC Award in recognition of his outstanding work in the field of oil and energy research. He was educated as an economist and as a specialist on the Middle East at Cambridge and the School of Oriental and African Studies.

HE JABAR ALI AL-LUAIBI**Minister of Oil, Iraq**

Jabar Ali al-Luaibi was appointed Minister of Oil for Iraq in August 2016. Previously he served as Advisor to the Minister from 2009 to 2016. Before that he was Director General of the South Oil Company from 2003 to 2009. From 1973 to 2003 he held numerous technical and management positions with the Iraq National Oil Company. He has a BSc (Hons) in Chemical Engineering and a postgraduate diploma in Engineering.

ABDULLA AL QADI**Exploration and Production Executive Director
Crescent Petroleum**

Abdulla Al Qadi is Exploration and Production Executive Director at Crescent Petroleum in the UAE, where he also manages new business development. Before joining the company in 2006 he was Drilling Manager at the Abu Dhabi National Petroleum Company (ADNOC), where he oversaw all activities of drilling for more than 36 rigs. He first joined ADNOC in 1990 and has served in a variety of technical and managerial positions in various sectors. He has a Bachelor's degree in Petroleum Engineering from the New Mexico Institute of Mining and Technology.

KAMEL BEN NACEUR**Chief Economist, ADNOC Group**

Kamel Ben Naceur is Chief Economist for the Abu Dhabi National Petroleum Company (ADNOC) group, where he advises the company's leadership on global trends impacting energy markets. He has three and a half decades of experience in the energy and industry sectors around the world in both the public and private sectors. In September 2015, he became Director for Sustainability, Technology and Outlooks at the International Energy Agency (IEA). From 2014 to 2015, he served as Tunisia's Minister for Industry, Energy and Mines in a government tasked with leading the country's first fully democratic elections and restoring its economic fundamentals. Prior to that he held a number of positions at Schlumberger,

including Chief Economist as well as oil and gas management and research and development roles. He is the co-author of 13 books and over 120 articles on energy and sustainability, has served on the boards of a number of international businesses and organizations, and is the recipient of several prestigious medals and honours. He is a graduate of École Polytechnique and École Normale Supérieure in Paris.

ED RAWLE
Chief Economist
Wood Mackenzie

Ed Rawle is Chief Economist at Wood Mackenzie, where he leads a team of 40 oil market analysts and over 300 upstream analysts working on global crude oil supply and demand research and price forecasting. Previously he built the firm's macroeconomics team, which specializes in the threats and opportunities facing commodity-producing economies. Prior to that he headed CRU's Econometrics team, developing price forecasting models for base metals and steel. Before moving into commodities, he held Senior Economist positions at HM Treasury and the UK Debt Management Office. He also served at the Home Office in London, and the European Central Bank in Frankfurt. He holds an MSc in Economics from Southampton University and a BSc in Economics from the University of Birmingham. He is also an alumnus of the London School of Economics.

CAROLE NAKHLE
CEO, Crystol Energy

Dr Carole Nakhle is Founder and CEO of Crystol Energy, an advisory, research and training firm. She has worked with both national and international oil and gas companies, governments and policy-makers, international organizations, academic institutions and specialized think-tanks on a global scale. She is a regular contributor to Geopolitical Intelligence Service on energy matters, a programme advisor to the Washington-based International Tax and Investment Centre and a member of the Executive Sessions on the Political Economy of Extractive Industries at Columbia University. She acts as a Visiting Lecturer at the Blavatnik School of Government at Oxford University and the University of Surrey in the UK, and Saint Joseph University in Beirut. She also founded the not-for-profit organization 'Access for Women in Energy' in 2007, with the aim of supporting the development of women within the energy sector. She is the author of *Petroleum Taxation: Sharing the Wealth* (2008; re-printed 2012), and *Out of the Energy Labyrinth* (2007), co-authored with Lord David Howell.

JAVIER BLAS
Chief Energy Correspondent
Bloomberg

Javier Blas is Chief Energy Correspondent for Bloomberg News, writing about oil, gas and commodities. Previously, he wrote for a decade for the *Financial Times*, where he was Africa Editor and Commodities Editor. Earlier in his career he wrote about the international economy for the Spanish business daily *Expansion*. He regularly appears on international radio and television. He is a graduate of the University of Navarra, Spain, and also studied at the University of Sheffield.

BOB DASTMALCHI**Vice President of Business Development for Europe, Eurasia and Middle East
Chevron**

Bob Dastmalchi became Vice President of Europe, Eurasia and Middle East Business Development at Chevron in November 2016. He has 35 years of industry experience in both domestic and international assignments in asset management, project development, strategic planning and technology management. In addition to assignments throughout the US, he has worked in Indonesia, Kazakhstan, the UK, Bahrain, India, Azerbaijan and China. He has an MSc in Engineering from Colorado State University.

COBY VAN DER LINDE**Director, Clingendael International Energy Programme;
Member of the International Advisory Board, KAPSARC**

Dr Coby van der Linde has been Director of the Clingendael International Energy Programme in The Hague since 2001, where she manages various studies on European and international energy markets, the security of oil and gas supply, and energy system transition. She is also a non-executive director in three energy companies and a member of the KAPSARC International Advisory Board. Previously she was a part-time Professor of Geopolitics and Energy Management at the University of Groningen from 2004 to 2015 and Professor of International Political Economy and International Oil Markets at the University of Leiden from 2000 to 2005. She also served as a member of the Dutch Energy Council from 2004 to 2014. She writes a column on energy issues and has been an International Gas Union Wise Person since 2004.

ALI AL-SAFFAR**Energy Analyst, World Energy Outlook, IEA**

Ali Al-Saffar is an Energy Analyst in the Directorate of Sustainability, Technology and Outlooks at the International Energy Agency (IEA), and an author of six editions of the IEA's long-term forecast, the World Energy Outlook, where he leads analysis of the MENA region. Prior to joining the IEA in 2012, he was a Middle East economist and chief automotive analyst at the Economist Intelligence Unit. He has degrees in Economics and Development Studies.

SIMONE PUGLIESE**COO, Kayrros**

Simone Pugliese is COO of Kayrros, a predictive analytics firm for energy markets. He was previously a principal at Schlumberger. Prior to that he worked in the business development team at Centrica Energy and the FIG Distressed Investments division at RBS. He holds an MBA from London Business School and an MSc in Industrial and Nuclear Engineering from the Polytechnic University in Catalonia.

BASSAM FATTOUH**Director, Oxford Institute for Energy Studies**

Dr Bassam Fattouh is Director of the Oxford Institute for Energy Studies and Professor at the School of Oriental and African Studies. He specializes in international oil pricing systems, OPEC pricing power,

security of Middle Eastern oil supplies, and the dynamics of oil prices and oil price differentials. He has published numerous articles on oil and gas topics in academic and professional journals, and he also acts as an adviser to governments and industry. He served as a member of an independent expert group established to provide recommendations to the 12th International Energy Forum (IEF) Ministerial Meeting for strengthening the architecture of the producer–consumer dialogue through the IEF.

HE YURY P SENTYURIN

Secretary General

Gas Exporting Countries Forum

Yury P Sentyurin is Secretary General of the Gas Exporting Countries Forum (GECF), a position he assumed on 1 January 2018. Prior to joining the GECF, he was State Secretary and Deputy Minister of Energy of the Russian Federation. He has also served as State Secretary, Deputy Minister of Education and Science; Deputy Head of the Committee on Energy, Transport and Communications of the State Duma; First Deputy Governor of the Nizhegorodsky Region; and Head of Department of the Ministry on Anti-monopoly Policy and Business Support. He has also co-chaired several intergovernmental commissions between the Russian Federation and Bolivia, Afghanistan and Congo respectively, and served as chief negotiator on cooperation in gas and oil with India, Pakistan, Singapore, Brazil, Venezuela, Vietnam, Cuba, Syria, and South Africa. He holds a PhD in Political Science and Master's degrees in Law and Economics.

MARIA VAN DER HOEVEN

Senior Fellow

Clingendael International Energy Programme

Maria van der Hoeven is Senior Fellow in the Clingendael International Energy Programme. She served as Executive Director of the International Energy Agency (IEA) from September 2011 to August 2015, a period of exceptional change in the global energy economy, as rapidly shifting supply/demand balances for oil and other major fuels transformed the IEA's traditional mandate. From 2007 to 2010 she was Minister of Economic Affairs for the Netherlands, and before that Minister of Education, Culture and Science from 2007 to 2010. Prior to that she was a Member of Parliament and served as Vice-President of the House of Parliament for several years. From 2013 to 2015 she served on the Advisory Board for the UN Sustainable Energy for All initiative. She is a member of the Board of Trustees of the Rocky Mountain Institute (US).

MELANIE KENDERDINE

Principal, Energy Futures Initiative;

Non-resident Fellow, Atlantic Council

Melanie Kenderdine is a Principal of the Energy Futures Initiative and a Non-resident Senior Fellow at the Atlantic Council. From May 2013 to January 2017 she was Energy Counselor to the US Secretary of Energy and concurrently Director of the Department of Energy's (DoE) Office of Energy Policy and Systems Analysis. Before that she was Executive Director of the MIT Energy Initiative (MITEI), which she helped to establish. Before joining MITEI, she was Vice President of Washington Operations for the Gas Technology Institute from 2001 to 2007. From 1993 to 2001 she served in several key posts at the DoE. In 2014, she was named by the *National Journal* as one of the top five women in Washington shaping

energy policy. She is on the Board of Our Energy Policy.Org, and is a frequent lecturer and speaker on energy policy across the country and around the world. She has co-authored chapters in two editions of the book *Energy Security in the 21st Century: A New Foreign Policy Strategy*. She is a graduate of the University of New Mexico.

GUY BROGGI

Senior LNG Advisor, Total (2012–17)

Guy Broggi was Senior Liquefied Natural Gas (LNG) Advisor at Total from 2012 to 2017, in which capacity he represented Total in various instances and promoted the image of Total Gas Division in many industry events. He was a member of the advisory boards for various LNG and natural gas conferences and helped to organize the International Gas Union's World Gas Conference. Before that he held a number of positions with divisions of Total, including Head of LNG Supply, Senior Advisor for LNG Trading and Commercial Director. Prior to joining Total he was Professor of Mathematics for Geophysics at the Petroleum Institute (Alger). He graduated from the École des Mines, Nancy in Mining Engineering.

SEB HENBEST

Head of EMEA and Lead Author, New Energy Outlook Bloomberg New Energy Finance

Seb Henbest is Head of Europe, Middle East and Africa for Bloomberg New Energy Finance (BNEF) in London and lead author of BNEF's annual long-term power market forecast, the New Energy Outlook. From 2008 to 2012 he was Head of Research and Manager of BNEF in Australia, establishing the firm's Sydney offices. He writes extensively on energy and carbon market economics for BNEF, as well as contributing to third-party publications such as the LSE Business Review and the Lowy Interpreter. He speaks regularly at energy industry conferences and events, is quoted widely in print media, and has appeared as an expert commentator on ABC TV, Sky News, ABC Radio, and Bloomberg TV. He is a 2015 Rex J. Lipman Fellow and has an advisory role with the Gulf Cooperation Council region Clean Energy Business Council. He is a physicist by training with degrees from Adelaide University and Monash. He also read International Relations at Cambridge University, specializing in emissions trading and environmental markets.

GLADA LAHN

Senior Research Fellow, Energy, Environment and Resources Chatham House

Glada Lahn is Senior Research Fellow in Energy, Environment and Resources at Chatham House. Since joining the Institute in 2004, she has worked on a range of international resource projects and established the Fossil Fuels Expert Roundtable series in 2008. Since 2009, she has worked on issues of domestic energy and water management and pricing and climate policy with partners in the Arab Gulf countries and is currently leading an international initiative called Valuing Vital Resources on the costs and price linkages between energy, water and food. From 2002 to 2004, she was Senior Research Fellow at the Gulf Centre for Strategic Studies and has since worked for a number of organizations as a freelance consultant. She has an MA in Near and Middle Eastern Studies from the School of Oriental and African Studies and a BA in Arabic and International Relations.

BRUCE SMITH**Advisor and (acting) Director of Forecasting and Planning
Abu Dhabi Water and Electricity Company**

Bruce Smith is Advisor to the Managing Director and (acting) Director of Forecasting and Planning at the Abu Dhabi Water and Electricity Company (ADWEC). Previously he was Business Advisor to ADWEA, the corporate holding company. He joined the ADWEA Group of Companies in 2004 as Regulation and Performance Manager to the Abu Dhabi transmission business TRANSCO. Before joining ADWEA he worked as Director of Ewan Associates, a UK-based consultancy specializing in supporting planning, performance and risk management within the power and water sectors. He started his career in the utility sector as an Operations Manager with Anglian Water in 1992. He holds an MSc in Environmental Engineering from Imperial College London.

SAMI KHOREIBI**CEO, Enviromena Power Systems**

Sami Khoreibi is CEO of Enviromena Power Systems. He has built the largest team of clean energy experts in the MENA region and led Enviromena to the broadest footprint of clean energy projects in the region across nine countries. He has been selected as a Young Global Leader by the World Economic Forum and a Top 5 Arab Innovator by MIT, and was named among the Top 100 Most Influential Arabs under 40 by *Arabian Business*.

CAROLINE FAASEN**Senior Engineer****Renewable Advisory DNV GL**

Caroline Faasen is Senior Engineer, Renewable Advisory at DNV GL, where she focuses on project risk management in the Middle East and Africa. She has assisted with the realization of over 50 renewable energy projects worldwide and over 20 projects in the Middle East and Africa. She supports owners, investors, lenders and utilities by conducting independent assessments of the potential risks involved in renewable energy projects through technical due diligence, construction monitoring and assessing test results to achieve successful projects.

TIM EATON**Research Fellow, Middle East and North Africa Programme
Chatham House**

Tim Eaton is Research Fellow in the Middle East and North Africa Programme at Chatham House. Previously he served as Project Manager for the programme's Syria and its Neighbours policy initiative, which aims to support a coordinated and holistic policy response to the conflict in Syria. Before joining Chatham House, he was Senior Projects Manager, Middle East at BBC Media Action, the BBC's international development charity. He has worked across the Middle East region on projects in Iraq, Egypt, Tunisia and Libya. He has an MA in Middle East Politics from Exeter University, a BA in History from Nottingham University and a diploma in Arabic from the School of Oriental and African Studies.

MUSTAFA SANALLA**Chairman****National Oil Corporation, Libya**

Mustafa Sanalla was appointed Chairman of the Board of Libya's National Oil Corporation (NOC) in May 2014, having been appointed to the board after the revolution in 2011. He has played a central role in recent years in protecting the NOC in Libya's sometimes violent contest for authority, remaining politically neutral and arguing that the NOC should not be a prize of conflict, but a reward for unity. A recent consultative gathering of stakeholders he convened at Windsor Castle led to the publication of the 'Windsor Principles', aimed at protecting Libya's oil as a platform for political stability. He began his career as Head of Ethylene Operations at Ras Lanuf Oil & Gas Processing Co. (RASCO) and held increasingly senior positions at RASCO before becoming Coordinator of Technical Services at the Zawiya refinery, a position he held until the revolution. In November 2017, he was recognized by his global industry peers as Chief Executive of the Year at the Petroleum Economist Awards. He has a degree in Petrochemical Engineering from Tripoli University.

VALÉRIE MARCEL**Associate Fellow, Energy, Environment and Resources****Chatham House**

Dr Valérie Marcel has been Associate Fellow for Energy, Environment and Resources at Chatham House since 2007, having led the energy research team from 2002-07. Prior to joining Chatham House, she taught International Relations at Sciences Po Paris (Institut d'études politiques de Paris) and the University of Cairo. She is the author of *Oil Titans: National Oil Companies in the Middle East*, and a number of publications on national oil companies and governance of the petroleum sector. She is a frequent speaker at academic and oil industry conferences, expert workshops and executive strategy workshops, and she advises governments on energy sector governance as a member of KPMG's Global National Oil Companies team.

FAHAD ALTURKI**Chief Economist and Head of Research****Jadwa Investment**

Dr Fahad Alturki is Chief Economist and Head of Research at Jadwa Investment in Riyadh. He also serves as a member of the Executive Management Committee and Chairperson of the Public Funds Board. Prior to joining Jadwa, he was Chief Economist at Barclays Saudi Arabia. Previously he was an Economic Specialist at the Saudi Arabian Monetary Authority, where he worked for 11 years in the Economic Research and Statistics Department, and before that he was an Economist at the International Monetary Fund at the Middle East and Central Asia Department. He holds a PhD and a Master's degree in Economics from the University of Oregon and a BA in Business Administration from King Saud University, Saudi Arabia.

FAROUK SOUSSA
Chief Economist for the Middle East
Citi

Dr Farouk Soussa is Chief Economist for the Middle East at Citi. Before joining Citi in 2010 he was Head of Middle East and Africa Sovereign Ratings at S&P. He began his career with the Bank of England, where he also spent 18 months on secondment to the Financial Services Authority. He holds a PhD in Economics from the University of Birmingham.

LAURY HAYTAYAN
Acting MENA Regional Program Manager
Natural Resource Governance Institute

Laury Haytayan is Acting MENA Regional Program Manager at the Natural Resource Governance Institute (NRGI), an international organization that aims to promote effective management of resources. As a senior officer, she led the MENA parliamentary and media development programmes at NRGI and played a fundamental role in the launch of the MENA Extractive Industries Knowledge Hub, based in Beirut. Prior to joining NRGI, she was Executive Director of Arab Parliamentarians Against Corruption, where she worked closely with parliamentarians from the Arab region to develop strategies and action plans to strengthen the oversight and legislative capacity of parliamentarians to curb corruption. She has received awards from the Tunisian Association of Parliamentary Advisors, the Lebanese Green Party and the Arab Women's Council for her work.

TIM CALLEN
Mission Chief for Saudi Arabia
International Monetary Fund

Tim Callen is Assistant Director in the IMF's Middle East and Central Asia Department as well as Mission Chief for Saudi Arabia and Chief of the Gulf Cooperation Council countries division. He joined the Fund in 1993, and has also worked in the Asia and Pacific, Communications, Research and Western Hemisphere departments. He was the IMF Mission Chief to Kazakhstan from 2008 to 2009, led the production of the IMF's World Economic Outlook from 2004 to 2007, and worked extensively on Japan, India, Korea and Australia prior to these assignments. Before joining the IMF, he worked in the economic departments at the Bank of England and the Reserve Bank of Australia on monetary and economic forecasting issues, and at Hambros Bank where he was responsible for bond and currency analysis for the G-7 countries. He holds a Master's degree in Economics from the University of Warwick and a Bachelor's degree in Economics from the University of Essex.

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