



**Topic: The Resurgence of Coal: Trends and Challenges**

**Date: Thursday, 31 October 2013**

**Time: 2:00 pm to 5:00 pm**

**Venue: Sands Expo & Convention Centre  
Marina Bay Sands  
Orchid Room 4301, Level 4**

**Speakers: Dr Gatut Adisoma, Deputy Chairman, Indonesian Coal Mining Association  
Dr Carlos Fernández Alvarez, Senior Analyst, International Energy Agency  
Mr Mark Gresswell, Director & Chief Analyst, Salva Resources Pty Ltd  
Dr John Kunkel, Deputy Chief Executive Officer, Minerals Councils of Australia  
Dr Andrew Minchener, IEA Clean Coal Centre**

**Moderator: Dr Elspeth Thomson, Senior Fellow and Head of the Energy and Environment Division, Energy Studies Institute**

Please send us your name, organisation and email address via the SIEW website. For enquiries, please contact Ms. Jan Lui at 65162000.

## **Abstract:**

This roundtable, organised jointly by the Energy Studies Institute and the International Energy Agency, will focus on the resurgence of coal in the energy landscape and discuss market realities and developments as well as the challenges in terms of climate change mitigation targets. After providing an overview of global coal supply trends and projections, the five speakers will then examine various coal demand and supply scenarios in Asia, notably China, India and ASEAN, where countries such as Indonesia, Vietnam, Thailand, Malaysia and the Philippines are increasing cooperation through the ASEAN Forum on Coal (AFOC). The discussion will then focus on the high emissions resulting from coal use and the potential and challenges of various carbon capture and storage methods. Particular questions that will be addressed in this roundtable include:

- ◆ Are current coal prices incentive enough to trigger new investments in coal supply chains?
- ◆ Whereas gas is more competitive than coal in the US, in Europe it is the other way around. How might this competition evolve?
- ◆ Can coal be a low-carbon fuel in the future? Which policies can drive this?

## **About the Speakers:**



Dr. Gatut S. Adisoma served for three years (until October 2012) as Director of Operations and Chief Operating Officer and then as Advisor of PT Multi Harapan Utama, a Coal Contract of Work company. The company is currently developing new mines and constructing new ports, haul roads and supporting infrastructures in East Kalimantan. He was previously President Director of PT Nabire Bakti Mining, an exploration joint venture company, and sat in the Board of Commissioners at PT Indocopper Investama. His career at PT Freeport Indonesia started as Manager - Grasberg Surface Mine Operations, one of the largest copper-gold mines in the world. He left as Senior Vice President after serving as Vice President in a variety of technical and environmental capacities at the mine site and Jakarta office. He also spent many years working as a mining consultant in the United States at the Independent Mining Consultants, Inc., as well as teaching at the University of Arizona in Tucson, AZ.

Gatut has a Mining Engineer degree from Bandung Institute of Technology (ITB), where he later taught and served as Head of the Industry Service Program of LPM-ITB. He also holds MSc and PhD degrees from the University of Arizona in Tucson, AZ (USA).

Gatut is currently Deputy Chairman for International Affairs at the APBI-ICMA (Indonesian Coal Mining Association). He is also active in the Association of Indonesian Mining Professionals (PERHAPI) and Indonesian Association of Geologists (IAGI), and one of the founding members of IAGI and PERHAPI Competent Persons for resource and reserve estimation. He has authored and delivered numerous papers and presentations in national and international mining venues.



Carlos Fernández Alvarez is a Mining Engineer (Madrid Polytechnic University) Specialist in Energy and Fuels with more than 20 years of experience in the energy sector. He joined the International Energy Agency as Senior Coal Analyst in 2010. His current job is focused on monitoring coal markets, as well as technology and policy developments. In particular, he is responsible for the Medium-Term Coal Market Report publication and is an officer for IEA's Coal Industry Advisory Board. He also contributes to other IEA publications, like the *World Energy Outlook*, IEA's flagship publication.

Between 2000 and 2010, Carlos worked for the Spanish Government in different capacities. From 2007, he was Director of the Spanish Coal Agency, the body responsible for the coal sector and the alternative development of the coal mining areas in Spain. From 2003 to 2007, he was Deputy Director for Mining. And from 2001 to 2003 he was an Energy Adviser participating in the discussion of various gas, electricity and ecogeneration topics.

From 1991 to 2000, he was an energy consultant, working in such fields as Probabilistic Safety Assessment, R&D on passive designs, control-room design and radiation control during refuelling.

He has been a Board Member of several companies and bodies, among which, HUNOSA, a Spanish coal and electricity producer, and the Bureau for Liquidation of Electricity Compensation.



Mark Gresswell's significant coal industry experience includes global market analysis of both the coking and thermal coal markets, detailed country modeling and strategic analysis.

He spent two years in a commercial role in the European coal market, negotiating contract settlements, developing customer relationships and identifying new business opportunities. Prior to moving into the coal industry, Mark worked in the Australian electricity industry as a regulatory analyst and also as a project analyst for a major utility.

Mark has four years' management consulting experience, working with electricity retailers and generators in Australia, New Zealand and the United States. Currently, Mark manages a team of analysts that provides market insights and consulting on the Indian steel, power, coal and infrastructure sectors.



Dr John Kunkel has worked as an economist, speech writer and policy analyst. He is currently Deputy Chief Executive of the Minerals Council of Australia (MCA).

From January 2010 to July 2012, John was Director – Economics and Taxation at the MCA. He has been central to the MCA's policy advocacy on resource taxation reform in recent years, including the debate over the Resource Super Profits Tax and subsequent development of the Minerals Resource Rent Tax. John has also helped to develop and articulate the MCA's position on a wide range of issues associated with rapid growth in the mining industry in recent years.

From January 2008 to July 2009, John was a senior economist at Concept Economics. Prior to that, from January 2004 to December 2007, John was a senior adviser and speech writer to the former Prime Minister, the Hon John Howard. In his role as senior adviser in the Howard Government's Cabinet Policy Unit, John provided strategic advice on major issues coming before Federal Cabinet.

John completed his PhD in economics from the Australian National University in 2001 (awarded 2002).



Dr Andrew Minchener, OBE, is both a versatile, successful manager and an expert within the industrial energy and environmental sector. He has over 35 years experience in fossil fuel and biomass/waste utilisation, systems development, energy and environmental consultancy, and contract research and development, with particular emphasis on clean coal and CCS issues. This includes specific expertise in policy/institutional/regulatory analysis, techno/socio-economic analysis, training/capacity building, knowledge transfer and international business development.

He has undertaken numerous overseas assignments and has a well regarded background in overseas consultancy, working closely with various UK and European Commission departments and with the multi-lateral donor organisations. This includes over 130 missions to the Peoples Republic of China and a further 30 to Eastern Europe. He represented the United Kingdom on the European Coal and Steel Community (ECSC) Experts Committee for Combustion and Gasification Processes (1993-2002) and was a member of Council for the Institute of Energy (1993-2003).

He is an International Advisor to the Clean Coal Engineering and Research Centre of the Coal Industry, China Coal Research Institute (CCRI), and Visiting Professor at the South East University, China. With effect from July 2013, he became the General Manager of the IEA Clean Coal Centre, being responsible for all aspects of the Centre's activities and with special emphasis on maintaining a strong international profile for all aspects of clean coal utilization.

## **About the Moderator:**



Originally from Canada, Dr Elspeth Thomson has lived in Singapore since year 2000. She is a Senior Fellow and Head, Energy and the Environment Division at the Energy Studies Institute (ESI), National University of Singapore (NUS). She received her PhD from the School of Oriental and African Studies, University of London. Besides her book tracing the history of China's coal industry, and several edited collections, she has published numerous articles and book chapters on many aspects of the various types of energy consumed and traded throughout Asia.

A main project she is working on now is ESI's new *Asia-Europe Energy Policy Research Network*. Its main purposes are to compare the content of existing Asian and European energy policies through inter-regional quantitative and qualitative analysis within the three broad areas that are most relevant to government policy-makers, investors and the business community, namely: climate change mitigation, competitive electricity market design and reduction of fossil fuel consumption in the transport sector.

Through the 1990s she taught at Simon Fraser University in Vancouver and Lingnan University in Hong Kong. From 2001-2007, she was a Research Fellow at the East Asian Institute at NUS where she was a China energy specialist.