Natural Resources in the Global Economy

Debate 2: This House believes that there is no need for concern about the future global supply of strategic minerals

2 November 2011

Speaker Biographies

Edward Bickham

From 2000 until autumn 2009, Edward Bickham was Executive Vice President, External Affairs at Anglo American plc with responsibility for government relations, public policy and political risk, communication, social and community development and ethics. Prior to this he had been Deputy Chairman and Director of Strategy and before that Managing Director, Corporate and Public Affairs at Hill and Knowlton. He served as Special Adviser to the Foreign Secretary from 1990 until 1993.

Edward has also served as Special Adviser to the Home Secretary (1985-88) and to the Secretary of State for Northern Ireland (1983-85). He is now a consultant specialising in communications, corporate responsibility and political risk. He has been a Board of the Extractive Industries Transparency Initiative since 2006 and is currently a Senior Adviser to Critical Resource Ltd and the World Gold Council.

Andrew Bloodworth

Andrew is responsible for BGS research related to mineral and metal resource security, the environmental legacy of past mining and the future safe geological disposal of radioactive waste. His own interests include raw material security, regulatory issues associated with minerals extraction and the impact of mining on the developing world. In 2009 he was an expert contributor to the Government Office for Science Foresight Project on ‘Land-Use Futures’ and recently chaired the UK Mineral Forum’s Working Groups on both Security of Supply and Mineral Extraction in National Parks.

Andrew teaches a course on the 'Socio-economics and politics of mining' at Camborne School of Mines. In addition to having experience of the UK minerals sector, he has also worked extensively in Africa and was formerly the Mining Advisor to the UK Department for International Development. He is a Chartered Geologist and a council member of the Mineral Industries Research Organisation.
**Professor Jan Cilliers**

Jan Cilliers is Professor of Mineral Processing and Head of Department of Earth Science and Engineering in the Royal School of Mines at Imperial College London. He leads the Rio Tinto Centre for Advanced Mineral Recovery, which was established at Imperial College in 2008 to develop new technologies in block caving, leaching and flotation.

After studying Minerals Engineering, and working both underground and above on the South African gold and platinum mines, he did his PhD in Cape Town. He moved to the UK in 1993, where he established his flotation research team, uniquely specialising in the role of the froth in separating minerals. His research develops complex physical models and measurement techniques to improve mineral separations. In 2010 he was made a Fellow of the Royal Academy of Engineering. He is a fellow of both the Institution of Chemical Engineers and the Institution of Materials, Mining and Metallurgy.

**Jan Lewis**

Jan Lewis is a Board Director and Regional Director of the London office of Wardell Armstrong International. He is a Chartered Engineer, Geologist and Environmentalist with 20 years' experience in ground engineering, geological and environmental issues associated with mining projects and the reclamation of former industrial sites.

Jan is a Fellow of the Institute of Materials Minerals and Mining and is their President until December 2012. He manages teams providing technical support for mining and natural resource projects include exploration assessment, due diligence, auditing, competent person reporting and feasibility studies.