

**BIOGRAPHIES FOR THE SPEAKERS OF THE GENERAL SEGMENT TO
THE 23rd COMMITTEE ON SUSTAINABLE ENERGY**

General segment

20 November, 10:00-13:00

How can energy efficiency uptake be accelerated?

Moderator:



Robert Tromop, Independent Expert, a former Head of the Energy Efficiency Unit, International Energy Agency.

His key outputs include the regional energy efficiency policy recommendations, behavioural aspects of energy efficiency policy, cross-sector and sectoral policy analysis, and advice for policy development in a series of Policy Pathways and sector focused projects in buildings, appliances, industry and transport.

The international energy efficiency experience of Mr. Tromop embraces IEA and APEC Energy Efficiency programs and development of the APEC PREE review process with the APEC Energy Working Group Secretariat.

Mr. Tromop's previous role was Manager Monitoring and Research for the New Zealand Energy Efficiency & Conservation Authority (EECA). This involved leading monitoring and analysis of program design and performance and, tracking changes in energy use, energy efficiency and renewable energy change across the New Zealand economy, leading the development and operation of economic analysis tools for policy design and evaluation.

Until 2005, he led New Zealand's product efficiency regulatory program and held roles in the development of New Zealand's first National Energy Efficiency and Conservation Strategy. Robert has a Master's Degree in Mechanical Engineering.

Panellists:



Melanie Slade, Programme Manager, Energy Efficiency and Environment, International Energy Agency

Ms. Slade has spent twenty four years in energy efficiency policy development and implementation in many parts of the world. She started out working on the UK Government's Best Practice program on industrial energy efficiency and what is now known as the Market Transformation Program that drives sustainable product policy. She has worked with many governments to establish similar programs, perhaps most notably, the Government of China. In recent times she has spent six years chairing the Equipment Energy Efficiency Committee – the Australian Commonwealth, State, Territory and New Zealand Government group overseeing the regulation of minimum energy performance standards and labels for lighting, equipment and appliances. One of the key policies Ms. Slade led while in Australia was the phase-out of inefficient lighting. Australia was the second only to Cuba in this endeavor and has shared its experience widely both in the developed and developing world. In February 2014 Ms. Slade moved to the International Energy Agency to manage the new Energy Efficiency in Emerging Economies Program.



Julian Popov, Fellow, European Climate Foundation

Julian Popov is an ECF Fellow and has been an adviser to the ECF since 2008. As part of this role, he established a network of senior climate campaigners in eight new EU Member States, headed a project aimed at coaching editors of leading media on climate policy as well as a project seeking to raise policymakers' attention to health and security implications of climate change. Julian currently leads the South East Europe Grid Initiative which catalyses high level energy policy cooperation among countries in wider South East Europe, including Turkey and the Western Balkans. Julian is a former Minister of Environment of Bulgaria, the founding CEO and current Board Member of the New Bulgarian University, the former Chairman and current Board Member of the Bulgarian School of Politics and the co-founder of the Tunisian School of Politics.

In 2014, he was appointed as the Chairman of the Board of Directors of the Buildings Performance Institute Europe. He is Member of the Advisory Board of GridTech, Member of the Advisory Board of BETTER Project, and the Founding Member of the Governing Board of Sofia Platform, Member of the Steering Committee of the Grantmakers East Forum and Honorary Treasurer and Director of the UK charity Friends of Bulgaria. Julian is the author of two books and writes regularly on current affairs, climate and energy policy.



Sergey Semashko, Vice Chairman of the State Committee on Standardization of the Republic of Belarus, Head of Department for Energy Efficiency

Sergey Semashko was born on October 12, 1960 in Kotka, Dyatlovo district, Grodno region. In 1982 he graduated from the Leningrad Institute of Railway Engineers. In 2004 he graduated from the Academy of Management under the President of the Republic of Belarus.

From 2001 to 2004 he was a member of the Standing Commission of the House of Representatives of the National Assembly of the Republic of Belarus on Budget, Finance and Tax Policy. Mr. Semashko was a member of the Standing Commission of the House of Representatives of the National Assembly of the Republic of Belarus on industry, fuel and energy complex, transport, communications and business from 2004 to 2008; during 2008 - 2012 he was the Chairman of this Commission.

In 2012 Mr. Semashko was appointed the Deputy Chairman of the State Committee for Standardization – Director of the Department for Energy Efficiency. He is a member of the House of Representatives of the National Assembly of the Republic of Belarus.



Zlatko Pavicic, Energy Efficiency and new Technology Department Manager, Ministry of Economy, Croatia

Zlatko Pavicic graduated in economics of international trade from the Foreign Trade University in Zagreb. In 1994 he became the Head of the Department for Croatian economy promotion in the Croatian Chamber of Commerce.

Zlatko Pavicic is now the Head of Energy Efficiency Department at the Ministry of Economy of Croatia. The activities of his department cover normative provisions on energy efficiency, the National Action Plan, a program for Climate-Energy Framework 2020 -2030, post-2015 development framework, the area of new technologies in energetics and other areas. At the same time he is nominated as the Project Manager for Croatian NER300 projects.



Martin K. Patel, Chair for Energy Efficiency, Professor of the University of Geneva

Professor Martin Patel holds the Chair for Energy Efficiency at the University of Geneva in Switzerland. The research conducted at the chair is interdisciplinary in nature, primarily covering technical, environmental and economic aspects. Prof. Patel joined the University of Geneva in autumn 2013 following twelve years at the Copernicus Institute of Sustainable Development at Utrecht University in the Netherlands, where he was co-ordinating a research cluster on advanced material and energy systems. Before that, he was for seven years with the Energy Technology & Policy Group at the Fraunhofer Institute for Systems and Innovation Research in Karlsruhe, Germany.

20 November, 15:00-18:00

*From source to use: the role of fossil fuels in delivering a sustainable energy future***Moderator:**

Jarad Daniels, Director, Planning and Environmental Analysis, Office of Fossil Energy, Department of Energy, United States

Mr. Daniels is Director of Planning and Environmental Analysis within the Department of Energy's Office of Fossil Energy, where he is part of the management team responsible for the research, development, and demonstration of coal and gas-based power systems, including carbon capture and storage. Recent responsibilities include key leadership roles in the President's Interagency Task Force on Carbon Capture and Storage and in the Under Secretary of Energy's Quadrennial Technology Review.

Mr. Daniels has nineteen years of experience with the U.S. Department of Energy, working in several national laboratories and offices throughout the United States. He has contributed to DOE's international efforts for over a decade, and served as Chairman of the Power Generation and Transmission Task Force of the Asia-Pacific Partnership on Clean Development & Climate from 2006 to 2011.

Mr. Daniels received a Bachelor of Science degree in Chemical Engineering from Kansas State University, and a Master of Science degree in Chemical Engineering from the University of California at Berkeley.

Panellists:

Barry Worthington, Executive Director, United States Energy Agency and Chair, Group of Experts on Cleaner Electricity Production from Fossil Fuels

Mr. Worthington serves as the Executive Director of the United States Energy Association (USEA) where he directs the Association's domestic and international activities. He has served in this capacity since September 1988. Previously, he served as a Vice President of the Thomas Alva Edison Foundation and prior to that served in several capacities with Houston Lighting & Power Company, now known as Centre Point.

Mr. Worthington has also written extensively on energy and environmental matters, and addresses many conferences on national and international energy issues.

He has a Master in Science degree in Studies of the Future Program of the University from the University of Houston and a Bachelor of Science degree in Man & Environmental Relations from Pennsylvania State University.



Jon Gibbins, Director, UK Carbon Capture and Storage Research Centre

Prof. Gibbins has worked on coal and biomass gasification and combustion for over 30 years and on carbon capture and storage (CCS) since 2002. He is currently Professor of Power Plant Engineering and Carbon Capture at the University of Edinburgh and Director of the UK CCS Research Centre (UKCCSRC) which is supported by Research Councils UK to lead and coordinate a programme of underpinning research on all aspects of CCS in support of basic science and UK government efforts on energy and climate change. The Department of Energy and Climate Change and Research Councils UK funding also supports the UKCCSRC shared Pilot Advanced Capture Technology facilities at Sheffield.

The strategy behind Prof. Gibbins's CCS activities is helping to deliver the combination of technical, policy and economic advances that are required to progress CCS rapidly to the stage where it can make an effective contribution to global climate change mitigation. He has authored over 50 papers and more than 100 articles and reports on CCS and related topics.



Torstein Indrebø, Secretary General, International Gas Union and Vice Chair, Group of Experts on Gas

Mr. Indrebø started his career with the Ministry of Defence and Ministry of Foreign Affairs before joining the Oil and Gas Division of Norsk Hydro in 1980. He was assigned to Mobil Oil in USA in 1985-1986 before returning to Norsk Hydro's Natural Gas division in Norway. He was appointed Vice President and Head of the Oil and Gas office of Norsk Hydro in Brussels, Belgium in 1995. In 2001 Mr Indrebø assumed the position as Vice President Strategy and Business Development, Natural Gas.

He served as President of the Norwegian Gas Association from 2001 to 2005. In October 2007 Mr. Indrebø was appointed Secretary General of the International Gas Union (IGU) and has transferred the IGU Headquarters and Secretariat to Oslo, Norway under the sponsorship of Statoil.

Mr Indrebø holds a Master of Science in Business from the Norwegian School of Economics and Business Administration, Bergen in 1976 and has a degree in Petroleum Taxation from the University of Bergen in 1984.

Michael Lynch-Bell, Kazakhmys, Expert Group on Resource Classification



Michael spent a 38 year career with Ernst & Young (EY) having led its Global Oil & Gas, UK IPO and Global Oil & Gas and Mining transaction advisory practices. He was a member of the assurance practice from 1974 to 1996 when Michael transferred to the Transaction Advisory Practice. Michael was also UK Alumni sponsor and a member of the firm's EMEA and Global Advisory Councils. He retired from EY in 2012.

Michael has been involved with the UN Expert Group on Resource Classification for over 10 years. He was Chairman for the three years ended April 2012 and continues as Ex officio Chair and a member of its Bureau.



Jan Roelofsen, Research Director and Advisor for Unconventionals, IHS

As part of the IHS Energy Upstream Research Group, Mr.Roelofsen is leading the analysis of Unconventionals potential outside the US: from the analysis of geological plays to assessment of productive capacity, economics and potential market impact.

Mr.Roelofsen is a geologist with 30 years of experience in the oil industry. After having worked as an exploration and development geologist for Unocal, he joined Petroconsultants in Geneva in 1992 as regional manager, followed by a career path from office manager, product manager for exploration and production data to his current Director of Unconventionals research.

Recent accomplishments in the domain of Unconventionals are coordination of the geological analysis for global studies on shale gas and tight oil and contribution to various consulting projects on unconventional resource and opportunity assessment. He holds an MSc in Geology from the Utrecht University in the Netherlands.



Hans B. Püttgen, Senior Director, Nanyang Technological University, Energy Research Institute, Singapore

Prof. Püttgen joined NTU in the late 2013 as Professor of the School of Electrical and Electronic Engineering. He also holds the position of Senior Director, Energy Research Institute at NTU (ERI@N) where he leads the Renewable Energy Integration Demonstrator in Singapore (REIDS) initiative. He is also a member of the CORE, Commission which advises the Swiss Federal Office of Energy on energy issues and funding priorities.

Prof. Püttgen retired from the Swiss Federal Institute of Technology in Lausanne (EPFL) in July 2013 where he held the Chaire de Gestion of Energy Systems Management. Before arriving at EPFL, Prof. Püttgen was Georgia Power Professor and Vice Chair for External Affairs in the School of Electrical and Computer Engineering at the Georgia Institute of Technology.

He graduated from the Swiss Federal Institute of Technology in Lausanne with the degree in Electrical Engineering. He holds graduate degrees in Business Administration and Management from the University of Lausanne. His PhD, in Electrical Engineering is from the University of Florida.

21 November, 10:00-13:00

*How can renewable energy help optimise energy systems?***Moderator:**

Scott Foster, the Director of UNECE's Sustainable Energy Division.

Scott Foster has more than 35 years' experience in the energy field, having worked extensively with governments and international organizations on energy policy, market design and regulation, climate change, investment promotion, and renewables technology and policy.

Before founding Nomad Energy Consulting in 2004, Mr. Foster was Vice President of global regulatory affairs with AES Corporation, Senior Director for global power with Cambridge Energy Research Associates (CERA), and senior expert in the energy diversification division of the International Energy Agency.

Mr. Foster holds a BA from Dartmouth College, an MS in Civil Engineering from Stanford University, and an MBA from UC Berkeley.

Panellists:

David de Jager, Operating Agent of the IEA Renewable Energy Technology Deployment (RETD) Implementing Agreement

Mr. de Jager has extensive experience in the area of renewable energy deployment as a researcher and as consultant for the energy sector, governments and international organisations. He has performed several European and international studies on renewable energy technology development, financing and deployment. He has been involved in different roles in various assessment report of the Intergovernmental Panel on Climate Change, concentrated on the interaction of policy instrument design and (costs of) financing. Currently he has the following main assignments: as Managing Consultant Renewable Energy at Ecofys and as Operating Agent for the IEA Implementing Agreement for Renewable Energy Technology Deployment.

Mr. de Jager has a Master in Science in Physics from the Utrecht University.



Jeff Skeer, Senior Programme Officer, Regional Cooperation, International Renewable Energy Agency (IRENA)

Mr. Skeer is Senior Programme Officer for Technology Cooperation at the International Renewable Energy Agency. He is working to assess renewable energy potential in Europe and coordinating the Global Renewable Energy Islands Network (GREIN) to share best practices for expanded use of renewable energy on islands.

From 2004 to 2012, he worked in the Office of European and Asian Affairs, Office of Policy and International Affairs, United States Department of Energy (DOE). He was the delegate to the Energy Working Group of the Asia-Pacific Economic Cooperation (APEC) and chaired the APEC Biofuels Task Force. He was actively involved in the launch of the US-EU Energy Council, engaging the DOE programs and the European Commission to foster energy technology cooperation.

He holds a Bachelor's degree in Public Administration from the Woodrow Wilson School of Public and International Affairs at Princeton University and a Masters in Public Policy from the Kennedy School of Government at Harvard.



Jan Ingwersen, Business Area Manager, Market, European Network of Transmission System Operators for Gas (ENTSO-G); Chair of Task Force on Gas and Renewable Energy of the Experts Group on Gas

Mr. Ingwersen has been working in the gas industry for more than 25 years, holding positions at Energinet.dk, Gastra, DONG Energy etc. Mr. Ingwersen has been involved in most parts of the gas sector value chain. He was responsible for the implementation of the gas market liberalization in Denmark for Energinet.dk / Gastra from 2000 to 2005. He has been heading DONG Energy's storage and offshore transmission activities (2006-2013), establishing the company's gas regulatory affairs department and was responsible for a 6-year 'two way gas release program'.

He holds a technical MSc from University of Aalborg, Denmark, supplemented with a commercial degree from Copenhagen Business School and a management education from IMD, Lausanne.



Francisco de la Flor Garcia, Director of Regulation, Enagas and Chair, Group of Experts on Gas

Mr. de la Flor Garcia has been working in the natural gas business since mid-eighties. He has worked in several companies holding various positions and having responsibilities for commercial, technical, procurement, international and planning issues. He is currently Director of Regulation in Enagas since 2002.

At the same time, he is a Professor for University postgraduates at the Global Development Learning Network, belonging to the World Bank, and lecturer in many other training courses and fora. He is also President of GLE - Gas LNG Europe.

He holds university degrees in Chemical Engineering and in Economics Sciences and Business Management. He has completed a Business Administration Executive Program at the IESE Business School and followed doctorate studies in Economics.



Peter Wooders, Group Director Energy, International Institute for Sustainable Development (IISD)

Mr. Wooders is the IISD's Group Director of Energy. He has 20 years' experience across the energy sector, with a particular specialization in electricity generation.

Mr. Wooder currently contributes to various IISD's programs, including Trade & Climate Change, notably Border Carbon Adjustment and the GHG impacts of possible Environmental Goods & Services agreements; Global Subsidies Initiative (fossil fuels and bio-fuels); Post-2012 Architecture of GHG Agreements; Carbon Markets and Climate Change Adaptation.

Initially trained as an engineer, Peter first worked in technology research with British Gas. He then spent 15 years as an Energy & Environment consultant, working on issues from energy efficiency in Hungary to the cost-benefit analysis of clean air policies in Egypt to the economics of nuclear waste disposition in the UK.

21 November 15:0018:00

*Matters related to future work of the Committee***Moderator:****Christian Friis Bach**

On 9 July 2014, the Secretary-General appointed Mr Christian Friis Bach of Denmark as the next Executive Secretary of UNECE.

Mr Bach brings to the position a combination of deep knowledge in international economy and development affairs coupled with innovative and results-oriented leadership.

Mr Bach came from a position as Member of the Danish Parliament and Head of the Parliamentary Group for the Danish Social/Liberal Party. He previously served as Denmark's Minister for Development Cooperation (2011-2013) and Special Advisor to the European Union Commission for the United Nations Global Sustainability Panel (2010-2011). He is Honorary Professor of International Economics and Development at the University of Copenhagen (2009-2014) and has been Associate Professor in International Economics and Development Economics, the Royal Veterinary and Agricultural University (1999-2005).

Mr Bach has a long history with civil society, notably as the International Director for the DanChurchAid (2005-2010) and as Chairman of the Danish Association for International Cooperation (1997-2001). He also has private sector experience from running a start-up company and has worked as a journalist at the Danish Broadcasting Corporation.

Mr Bach holds a Ph.D. in International Economics (1996), a MSc in Agronomy (1992) from the Royal Danish Agricultural University in Copenhagen and a supplementary degree in Journalism from the Danish School of Media and Journalism.

Born in 1966, Mr Bach is married and has three children. The family lives on a small farm outside of Copenhagen.

Panellists**Natalia Boitsun**, Vice-Chair, Bureau for the Committee on Sustainable Energy

Prof. Boytsun is a Vice-Chair of the Bureau for the Committee on Sustainable Energy. From 2005 she served for the government of Ukraine as a Vice Governor of the Dnipropetrovsk Region of Ukraine (2005) and Vice Minister of Economy of Ukraine (2007 - 2010) with a responsibility for International Economic Cooperation and Trade. Prof Boytsun has worked in the fields of Energy since 2010. She served as the Director of European Integration and International Cooperation Department, Ministry of Energy and Coal Industry of Ukraine (2010-2013) and Vice Minister for Industry Policy of Ukraine (2013 – 2014). Prof. Boytsun represented Ukraine in the High Level Permanent Group of Energy Community EU (2011-2013, Vienna), and was elected as Deputy Head for Group for Strategy of Energy Charter (2010 -2013, Brussels).

Prof. Boytsun graduated from the Dnipropetrovsk National University of Ukraine from the Mathematics and Mechanics Department (1982) and also studied in the Netherlands, Belgium and Germany. She holds a Ph.D in Design and Construction of Space Crafts (1988). For more than 20 years she worked as a scientific researcher and university professor as the Head of the Department of International Finance (1996 – 2005) and Dean of the Faculty of International Economics Dnipropetrovsk University in Ukraine (1997 – 2005).

**Sergio Garribba**, Vice-Chair, Bureau for the Committee on Sustainable Energy

Counsellor for energy policy of the Ministry of Foreign Affairs of Italy, advising and representing the Government on international energy organisations, collaborations and multilateral energy agreements and programmes. Programme Co-ordinator of the G8 Energy Ministers Meeting, Rome, May 24-25, 2009. Co-ordinator of the 11th International Energy Forum Ministerial Meeting, Rome, April 20-22, 2008. From 2004 to 2006: Director General of Energy in the Ministry of Economic Development. From 1996 to 2003: Commissioner of the Italian Regulatory Authority for Electricity and Gas. Former Director of the Energy Department of ENEA, Italy; Director of Energy Technology and R&D of IEA, Paris. Professor on leave from the Polytechnic Institute of Milan, Italy. Graduated in Nuclear Engineering, University of California, Berkeley. Author, co-author and editor of more than 20 books and papers on subjects spanning from energy and environment policy to energy technology and R & D.



Jarad Daniels, Director, Planning and Environmental Analysis, Office of Fossil Energy, Department of Energy, United States

Mr. Daniels is Director of Planning and Environmental Analysis within the Department of Energy's Office of Fossil Energy, where he is part of the management team responsible for the research, development, and demonstration of coal and gas-based power systems, including carbon capture and storage. Recent responsibilities include key leadership roles in the President's Interagency Task Force on Carbon Capture and Storage and in the Under Secretary of Energy's Quadrennial Technology Review.

Mr. Daniels has nineteen years of experience with the U.S. Department of Energy, working in several national laboratories and offices throughout the United States. He has contributed to DOE's international efforts for over a decade, and served as Chairman of the Power Generation and Transmission Task Force of the Asia-Pacific Partnership on Clean Development & Climate from 2006 to 2011.

Mr. Daniels received a Bachelor of Science degree in Chemical Engineering from Kansas State University, and a Master of Science degree in Chemical Engineering from the University of California at Berkeley.



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