



Center for Strategic & International Studies
Washington, DC

WORLD ENERGY OUTLOOK 2007

10:00 am – 11:30 am
Friday, November 16, 2007
CSIS B1 Conference Level
1800 K Street, NW, Washington DC

Nobuo Tanaka

Executive Director, International Energy Agency

Nobuo Tanaka commenced duties as IEA Executive Director on 1 September 2007. Prior to that, he had been Director for Science, Technology and Industry at the Paris-based Organization for Economic Co-operation and Development (OECD).

Mr. Tanaka began his career in 1973 in the Ministry of Economy, Trade and Industry (METI) in Tokyo. He has extensive national government and international experience within METI, the Embassy of Japan in Washington D.C. and the OECD. Mr. Tanaka first joined the OECD in 1989 as Deputy Director of the Directorate for Science, Technology and Industry, and was promoted to Director in 1992. In 1995, he returned to METI and served in a number of high ranking positions, the most recent being Director-General, Multilateral Trade System Department, Trade Policy Bureau. In this role he led many trade negotiations for the World Trade Organization (WTO).

In the energy field, Mr. Tanaka has covered a variety of experiences. He was responsible for Japan's involvement with the IEA and the G8 Energy Ministers' Meeting during the second oil crisis. In the late 1980s he participated in establishing the comprehensive energy policy of Japan and he also oversaw the implementation of Japan's international nuclear energy policy and led negotiations of bilateral nuclear agreements. Mr. Tanaka worked on formulating international strategy as well as coordinating domestic environment policy and energy policy in the Kyoto COP3 negotiation. He was Minister for Industry, Trade and Energy at the Embassy of Japan, Washington DC from 1998-2000. Mr. Tanaka, a Japanese national, has a degree in Economics from the University of Tokyo and an MBA from Case Western Reserve University, Cleveland, Ohio. He and his wife, Gloria, have two children.

Dr. Fatih Birol

Chief Economist, International Energy Agency

Dr. Fatih Birol is Chief Economist and Head of the Economic Analysis Division of the Paris-based International Energy Agency. He is organiser and director of the *World Energy Outlook* series, the IEA's flagship publication. He is also responsible for providing regular briefing to the Executive Director and Governing Board of the IEA on the economic impact of energy market and industry developments.

The *World Energy Outlook* series is widely recognised as the most authoritative source for forward-looking energy market analysis. In recent years, it has received a number of honours for analytical excellence. These have included awards from the Russian Academy of Sciences, the United States Department of Energy and numerous private organisations.

A Turkish citizen, Dr. Birol was born in Ankara in 1958. He earned a BSc degree in power engineering from the Technical University of Istanbul. He received his MSc and PhD in energy economics from the Technical University of Vienna. He worked for six years in the Secretariat of the Organization of Petroleum Exporting Countries (OPEC) in Vienna, before joining the IEA in 1995. He is a regular contributor of articles on international energy analysis and policy and delivers numerous speeches around the world each year.

In June 2005, Dr. Birol received the International Association of Energy Economics' Outstanding Contributions to the Profession Award. In October 2006 he was made a Chevalier dans l'ordre des Palmes Academique by the French Government in recognition of his distinguished services to the field of energy economics. In March 2007 he was presented with the Golden Honour Medal of the Austrian Republic in recognition of his outstanding contribution to the understanding of global energy issues, first at OPEC and now at the IEA.

Frank Verrastro

Director and Senior Fellow, CSIS Energy and National Security Program

Frank Verrastro is director and senior fellow in the CSIS Energy and National Security Program. He has extensive energy experience, having spent 25 years in energy policy and project management positions in the U.S. government and the private sector. His government service includes staff positions in the White House (Energy Policy and Planning Staff) and the Departments of Interior (Oil and Gas Office) and Energy (Domestic Policy and International Affairs Office), including serving as director of the Office of Producing Nations and deputy assistant secretary for international energy resources.

In the private sector, Mr. Verrastro has served as director of refinery policy and crude oil planning for TOSCO (formerly the nation's largest independent refiner) and more recently as senior vice president for Pennzoil. At Pennzoil, he was responsible for the company's government-relations activity, both domestic and international. He also served on the company's international risk assessment and negotiations teams, as well as on the management and operating committees and its Environmental Safety and Health Leadership Council. Prior to joining CSIS in the fall of 2003, he served as senior policy adviser at the law firm of Vinson & Elkins, working with the firm's task force on Iraq reconstruction.

Mr. Verrastro holds a B.S. in biology/chemistry from Fairfield University, a master's degree from Harvard University, and he completed the executive management program at the Yale University Graduate School of Business and Management. He is an adjunct professor at the Elliott School of International Affairs at George Washington University. He has lectured at numerous universities and frequently presents on energy policy panels on energy policy panels at SAIS/Johns Hopkins University, the Brookings Institution, Meridian House International, the National Press Club, and on NPR.

The Center for Strategic and International Studies (CSIS) is a nonprofit, bipartisan public policy organization established in 1962 to advance global security and prosperity in an era of economic and political transformation by providing strategic insights and practical policy solutions to decision makers.