

CHINA WATER ENERGY TEAM - CHINA WET

A Global Choke Point Initiative

Room 127, Leo KoGuan Building, Peking University School of Government - Beijing, China
14.00 - 16.30, August 7th 2013

中国水源-能源对话

由美国威尔逊国际学者中心中国环境论坛 (The Woodrow Wilson Centre-China Environment Forum) 与创绿中心 (Greenovation Hub) 合作组建，中、美两国水和能源领域专家参与组成的中国水源-能源团队 (China WET)，将在2013年8月5日-7日期间，在北京展开一系列“水源-能源”议题的圆桌论坛。

过去几年中，The Wilson Centre (CEF) 与 Circle of Blue 对中、美两国能源发展对水资源的影响进行初步研究；创绿中心也曾对中国农村饮用水安全、气候变化与能源政策等展开调研。此次中国水与能源交流项目，旨在集合参与机构及学者的经验，对中国在水资源利用与能源发展上的冲突和挑战展开对话、交流经验，以期为能源，特别是煤炭产业发展面临的水资源瓶颈找到深入研究的方向，开拓中美研究者在议题上的合作机会。

AGENDA

SPEAKERS AND FORMAT

(One short keynote followed by China WET Choke Point Panel. Some Q & A from Audience and then Commentators/short presentations from Beijing University Professors).

SESSION 1: MINI-KEYNOTE

Keith SCHNEIDER

Choke Point: US/Choke Point: China

- Choke Point: US talk focusing on Ohio River Valley current water-energy trends.
- Choke Point: China overview

SESSION 2: CHINA WET CHOKE POINT PANELS

Vince TIDWELL

Water-Energy Trends and Mapping in the United States

- General issues around energy and water for the US
 - Potential impacts of water availability on the expanding thermoelectric power sector (and the sector's vulnerability to climate change)
 - Pilot planning project with the Western Electricity Coordinating Council and Electric Reliability Council of Texas on integrating water availability into long-term transmission planning
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- Mapping water availability, cost and projected demands in the Western U.S.
 - Energy-Water-Land Nexus in the United States (part of US 2013 National Climate Assessment)

Pam BUSH

Water-Energy Confrontations in the Delaware River Basin

- Water-energy confrontations in the Delaware River Basin—shale gas fracking.
- Delaware River Basin Commission’s efforts to address water-energy confrontations.

SHORT Q & A

Jia SHAOFENG

Water and Energy Challenge of China

- Water Resources Security of China
- Energy challenge of China: Coal domination and pollution, gas dependence
- Nexus: Water demand of energy sector
- Nexus: Hydropower development debate
- Solutions? Energy trade, sustainable energy, new source , spatial layout , sustainable water development

Yang FUQIANG

Seeking Solutions for China’s Coal-Water Challenges

- Energy efficiency and water saving
- Water use and coal consumption cap

SHORT Q & A

- All of China WET team can be answering -

SESSION 3: CLIMATE CHANGE, ENERGY SECURITY AND WATER WRAP UP PANEL

Jia YANGWEN

The Situation and Challenges of Yellow River Basin Water Resources

- Distribution and utilization of water resources in the Yellow River Basin
- Challenges in the use of water resources
- Water-energy development confrontation—water management, water right transfers, and water diversion, etc.

Paolo FARAH

Climate Change, Energy Security and Water

- Climate Change, Energy Trade and Environmental Issues
- Climate change, energy security and Water: multiscalar effects
- The intersection of climate change and energy security in policy-making and the impact in the water management
- The role of law for climate change, energy security and access to water: a theoretical framework
- Shifting from carbon-based economy towards renewable energies

FINAL Q & A WITH AUDIENCE

- All of China WET team can be answering -

ABOUT THE SPEAKERS

Keith Schneider is senior editor for Circle of Blue—the internationally recognized center for original front-line reporting, research, and analysis on resource issues, with a focus on the intersection between water, food, and energy. Keith manages multimedia story development, reporting, editing, and production for Circle of Blue. He is a nationally known journalist, online communications specialist, and environmental policy expert. He is the lead researcher and writer of the *Choke Point: China* and *Choke Point: India* reports, which are produced as part of the Wilson Center and Circle of Blue joint *Global Choke Point* initiative. For more than a decade, Keith was a national correspondent for *The New York Times*, where he continues to report as a special writer on energy, real estate, business, and technology. Before joining Circle of Blue, Keith was media and communications director at the US Climate Action Network and communications director at the Apollo Alliance. Keith developed one of the first independent online news desks as the founder and executive director of the Michigan Land Use Institute. A sought-after public speaker on the role of original reporting and online communications in the public interest, Keith is a regular contributor to the Times, Yale Environment 360, Grist Magazine, and other prominent news organizations. You can read his personal site at Modeshift.org.

Vincent Tidwell is a Distinguished Member of the Technical Staff at Sandia National Laboratories. He has over 20 years of experience conducting and managing research on basic and applied projects in water resource management, nuclear and hazardous waste storage/remediation, and collaborative modeling. Currently he is leading several studies that are helping local, state, and federal entities understand and adapt to issues of water, energy, and climate change. Dr. Tidwell is leading a multi-laboratory initiative supporting the Western Electricity Coordinating Council, the Electric Reliability Council of Texas, Western States Water Council, and the Western Governor's Association to integrate issues of water and climate into long term electricity transmission planning in the western U.S.

Pamela Bush is the Secretary and Assistant General Counsel of the Delaware River Basin Commission, where since 1999 she has advised staff and commissioners on all manner of procedure and policy questions and communicated DRBC's mission to state and federal policymakers. An interstate and federal compact agency comprised of four states and the federal government, DRBC manages the water resources of a 13,500 square mile watershed. Since 2008, the emergence of a water-dependent industry new to the region, production of natural gas from Marcellus Shale, has dominated her work. She currently serves as the chair of the Water Resources Committee of the American Bar Association Section on Environment, Energy, and Resources.

Jia Shaofeng is the Deputy Director of the Center for Water Resources Research at the Chinese Academy of Sciences, Chair of the Department of Water & Land Resources Research of the Institute of Geographical Sciences and Natural Resources Research at the Chinese Academy of Sciences, Vice Chair of Special Committee for Water Resources at the Hydraulic Engineering Society of China, board member of China Society of Territory Economists, editorial board member of the *Water International*, *Geographic Research*, *Geographic Progress*, and *Journal of Economics of Water Resources*. Dr. Jia got his BE and ME of water resources engineering from

Tsinghua University in 1987 and 1989 respectively, and received his Ph.D. in Human Geography from the Institute of Geography, at the Chinese Academy of Sciences in 1997. His research interests include water resources management, integrated basin management, and regional sustainable development. He has authored five books and over 100 papers.

Yang Fuqiang is Senior Adviser on climate change, energy and environment at the Natural Resources Defense Council, Beijing office. He also works as a board member of Greenovation Hub. He has been involved in energy and environmental issues for more than three decades. Mr. Yang was director of global climate solutions at WWF International from 2008 to 2010. He was vice-president of the Energy Foundation and chief representative of the foundation's office in Beijing from 2000 to 2008. Earlier in his career, Mr Yang worked with the Lawrence Berkeley National Laboratory on China's energy and environmental issues. In 1984, he worked on regional energy planning at Cornell University as a fellow of the World Bank. Before he moved to the United States in 1984, he worked with the Energy Research Institute of the National Development and Reform Commission in China on renewable and rural energy policy, energy modelling and forecasting, project evaluation, and long-term planning. He has published dozens of papers and reports in those areas. Mr. Yang received his Ph.D. in industrial engineering at West Virginia University (U.S.) in 1991 and his BS in physics at Jilin University (China) in 1977.

Jia Yangwen is vice director of Department of Water Resources, China Institute of Water Resources & Hydropower Research (IWHR). He also serves as academic leader of the State Key Laboratory of Water Cycle Simulation and Regulation in River Basins (SKL-WAC), associate editor of JHER, executive committee member of IAHR-APD and technical committee member of GWP China. He got his BE and ME of water resources engineering from Tsinghua University in 1986 and 1988 respectively, and got his PhD from the University of Tokyo, Japan in 1997. His research interests include hydrological analysis, water resources planning and management, and interactions among water, socio-economic and ecological systems. He has published 8 books and over 150 papers. His main contributions were made to the development of a physical-based distributed hydrological model (WEP model) and the assessment and planning of water resources in various types of river basins.

Paolo Farah (PhD, LL.M, JD) is a Senior Lecturer in Law (Associate Professor) at Edge Hill University Department of Law & Criminology in United Kingdom. He teaches public international law, international economic law, international business law, company law and international environmental and energy law. He is Director of gLAWcal – Global Law Initiatives for Sustainable Development, a Non-Profit Research Organization based in United Kingdom advocating the necessity to balance globalization with sustainable development. Scientific Director and Program coordinator of the Summer School - Executive Education Training Program held at Peking University, School of Government. Scientific Coordinator of 4 EU commission research projects. Editor-in-Chief and Director of the Book Series on “Transnational law and Globalization” published by Routledge Publisher UK and the Book series on “International Economic Law and Globalization” published by Ashgate Publishing, UK. Consultant for the European Commission in Brussels (2007 to now) and for the United Nations Development Program (UNDP). During the academic year 2011-2012, he was Visiting Scholar at Harvard Law School, East Asian Legal Studies Program.

ORGANIZERS OF CHINA WET TEAM

The Woodrow Wilson Centre China Environment Forum

(<http://www.wilsoncenter.org/program/china-environment-forum>)

Since 1997, the China Environment Forum (CEF) - an initiative of the Wilson Center's Global Sustainability and Resilience Program - has implemented projects, workshops, and exchanges that bring together U.S., Chinese, and other environmental policy experts to explore the most imperative environmental and sustainable development issues in China and to examine opportunities for business, governmental, and nongovernmental communities to collaboratively address these issues.

创绿中心 - **Greenovation Hub** (<http://www.ghub.org>)

Greenovation Hub is a grass-root environmental NGO with a global outlook. Our vision is a greener tomorrow, where everyone can have access to clean water, fresh air and safe food. G:HUB believes development should be ecological, and only by collaborative effort can environmental problems be solved. We provide innovative tools to enable wider public participation in environmental protection and foster joint power of civil society, business and government to accelerate China's green transition.

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CO-ORGANIZER OF THE EVENT

gLAWcal - Global Law Initiatives for Sustainable Development - 可持续发展的全球法律倡议
(www.glawcal.org.uk)

gLAWcal is an independent non-profit research organization (think tank) that aims at providing a new focus on issues related to economic law, globalization and development, with special attention to a number of non-trade-related values and concerns. Through research and policy analysis, gLAWcal sheds a new light on issues such as human rights, right to water, rights to food, social, economic and cultural rights, labour rights, consumer protection, climate change, environmental protection and sustainable development, energy, product safety, food safety and security. All these values are directly affected by the global expansion of world trade and should be upheld to balance the excesses of globalization.

This event has been also sponsored by Peking University School of Government (China), European University Centre at Peking University (China) and Edge Hill University, Department of Law and Criminology (UK), in the framework of the EPSEI research project funded by the European Union within the 7th Framework Programme.

