



Advanced Resources
International, Inc.

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Advanced Resources International QUARTERLY UPDATE

Unconventional Resources • Enhanced Recovery • Carbon Sequestration

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Advanced Resources International (ARI) is a professional services firm that provides geological, reservoir engineering, business and policy analysis and advice on a global basis related to unconventional gas resources, enhanced oil recovery and geologic carbon sequestration. Our quarterly update highlights current industry trends, ongoing and completed projects, recent publications, upcoming workshops and events, and company news. We encourage you to visit our website at www.adv-res.com to learn more about our company history, research and technology activities, industry news and much more. You may also contact our offices listed at the bottom of this page for additional information.



ENVIRONMENTAL PERFORMANCE OF THE EXPLORATION AND PRODUCTION INDUSTRY: PAST, PRESENT, AND FUTURE

During the 4th quarter of 2009 and 1st quarter of 2010, Michael L. Godec, Vice President of Advanced Resources, made 10 presentations during his tour as a 2009-2010 Society of Petroleum Engineers Distinguished Lecturer program. The title of his presentation is "Environmental Performance of the Exploration and Production Industry: Past, Present, and Future."

This lecture builds on the author's past work to document the technological progress made by the oil and gas exploration and production industry, and the environmental benefits realized from this progress. The lecture documents the improvements in environmental performance made by the E&P industry, examines industry and societal trends, and highlights some of the specific technological advances contributing to its performance. The lecture describes how company environmental performance has evolved from a necessary activity to comply with regulatory requirements to a major factor differentiating companies to stakeholders, including customers and the communities within which they operate -- or wish to operate. The lecture introduces new concepts of environmental performance, particularly relating to extracting environmental value from existing infrastructure. Finally, the lecture describes the likely key future role the E&P industry will play in addressing arguably the most important environmental issue of our time -- global climate change.

The Distinguished Lecturer Program extends the knowledge and experience of some of the industry's top experts in all phases of the E&P industry. By making available to every SPE section up to three lectures per year, the DL Program answers countless questions and advances technology on all fronts, in more than 450 presentations each year.

More information on the SPE Distinguished Lecturer Program can be found at <http://www.spe.org/events/dl>.



Photo by Thomas Fanghaenel

WHITE HOUSE U.S.-CHINA SHALE GAS RESOURCE INITIATIVE

In response to the White House U.S.-China Shale Gas Resource Initiative, Mr. Vello Kuuskraa, president of Advanced Resources International, was asked by the U.S. Department of Energy to participate in a training course on Shale Gas Development. Mr. Kuuskraa traveled to Beijing, China with representatives from the U.S. Department of Energy, Chevron and Halliburton to conduct the three day workshop led by the former State Planning Commission now called the National Development and Reform Commission. The course was attended by 180 people and feedback from the conference attendees was highly positive.

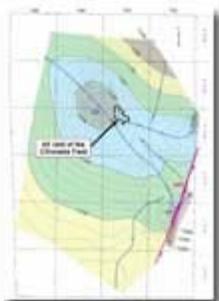
[US-China Fact Sheet Shale Gas](#)

[Kuuskraa Case Study #1 Barnett Shale China Workshop APR 2010](#)



STRATEGIC INITIATIVES FOR CARBON CAPTURE AND STORAGE (CCS) DEPLOYMENT

Mr. Vello Kuuskraa, president of Advanced Resources International, was invited to participate in a three-day workshop sponsored by the U.S. Department of Energy, Office of Fossil Energy, entitled: "Strategic Initiatives for Carbon Capture and Storage (CCS) Deployment", held at the Aspen Wye River Conference Center, Queenstown, Maryland, May 4 through 6, 2010. Mr. Kuuskraa was asked to prepare and present two presentations; "A "Green" Agenda for Fossil Energy" and "Gas Shales Drive the Unconventional Gas Revolution". The workshop was attended by Mr. James Markowsky, Assistant Secretary, Office of Fossil Energy, U.S. DOE, along with other staff members of U.S. DOE headquarters, NETL and private industry.



GEOLOGIC CHARACTERIZATION OF THE LOWER CRETACEOUS PALUXY FORMATION FOR THE SOUTHEAST REGIONAL CARBON SEQUESTRATION (SECARB) PARTNERSHIP PHASE III ANTHROPOGENIC TEST

On May 11, 2010, a poster entitled, "Geologic Characterization of the Lower Cretaceous Paluxy Formation for the Southeast Regional Carbon Sequestration (SECARB) Partnership Phase III Anthropogenic Test", was presented by ARI geologist, Shawna Cyphers, at the 9th Annual Carbon Capture and Sequestration meeting in Pittsburgh, PA. The poster outlines ARI's initial geologic model and reservoir characterization of the Paluxy Formation, which is the injection target for the SECARB Phase III Anthropogenic Test. As an integrated CO₂ capture, transportation, and storage demonstration this project represents a major step toward demonstrating commercial-scale storage of CO₂ captured from an existing pulverized coal-fired power plant.

[PDF COPY OF POSTER](#)



UPCOMING EVENTS

10th International Conference on Greenhouse Gas Technologies (GHGT-10)
September 19-23, 2010 - RAI, Amsterdam, The Netherlands
<http://www.ghgt.info/>

ATCE 2010 – SPE Annual Technical Conference & Exhibition
September 20-22, 2010 – Florence, Italy
<http://www.spe.org/atce/2010/>

SPE Eastern Regional Meeting
October 12-14, 2010 – Morgantown, WV, USA
<http://www.spe.org/events/erm/>

SPE International Conference on CO₂ Capture, Storage, and Utilization
November 10-12, 2010 – New Orleans, LA, USA
<http://www.spe.org/events/co2/2010/>

For a complete list of industry news, recent white papers and case studies please visit our website www.adv-res.com or contact one of our offices:

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