

Clean Energy Solutions Center and the Institute for Industrial Productivity

Breaking Through the Information Barrier

June 13 2013

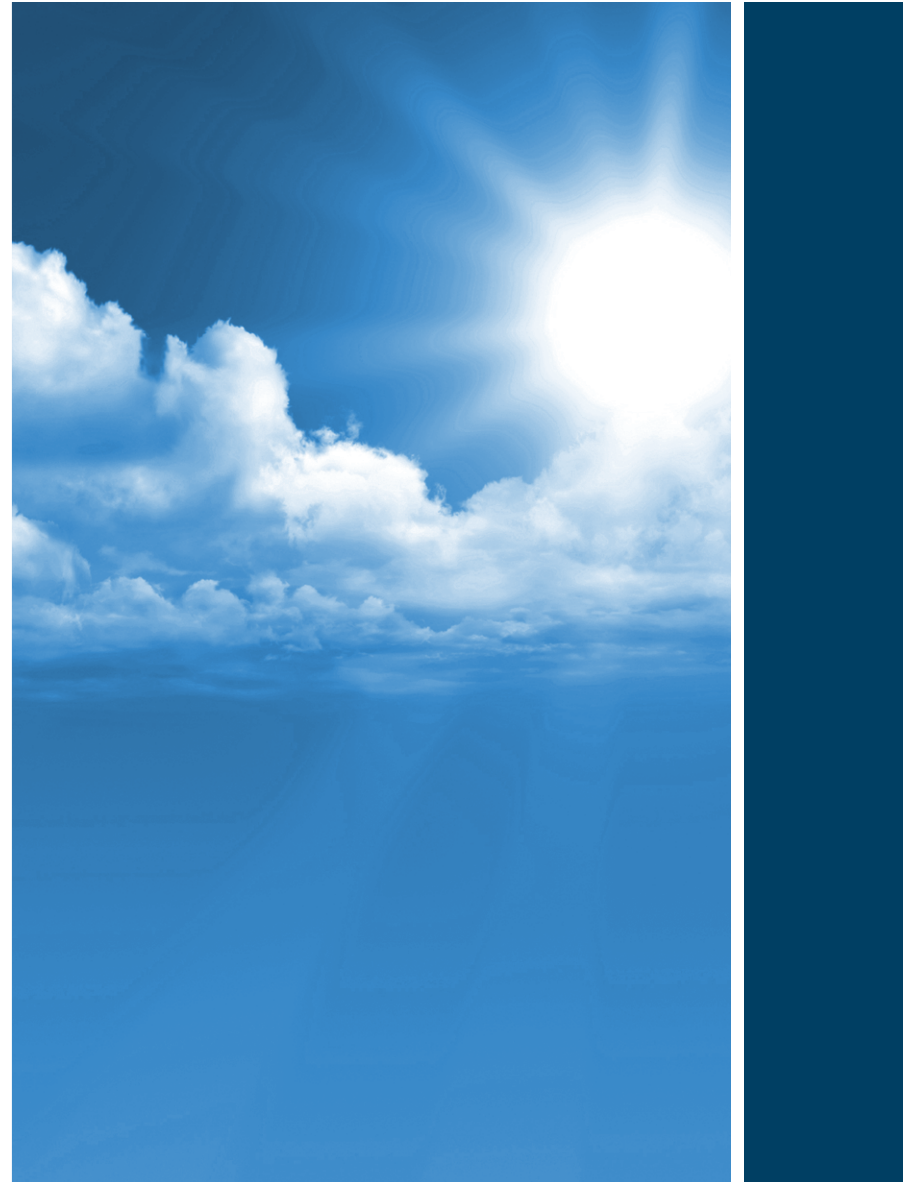
Vickie Healey – Moderator

Murat Mirata – Institute for Industrial Productivity

Ernst Worrell – Utrecht University

Jean-Francois Sautin– Energy Efficiency Consultant

Arvind Thekdi – E3M



Disclaimer

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- *The Clean Energy Solutions Center does not endorse or recommend specific products or services. Information provided in this webinar is featured in the Solutions Center's resource library as one of many best practices resources reviewed and selected by technical experts*

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3. *Panelists - Please mute your audio device when not presenting*

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Some housekeeping Items (continued)

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- PDFs of the presentations can be accessed at <https://cleanenergysolutions.org/training/breaking-through-the-information-barrier>

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- <https://cleanenergysolutions.org/training/breaking-through-the-information-barrier>

Agenda

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- ✓ Welcome and Introductory Remarks
- ✓ Overview of the [Clean Energy Solutions Center](#)
 - **Vickie Healey**: Project Leader, National Renewable Energy Laboratory
- ✓ Presentations - Panelists:
 - **Murat Mirata**: Technical Manager, Institute for Industrial Productivity
 - **Arvind Thekdi**: President, E3M
 - **Jean-Francois Sautin**: Energy Efficiency Consultant and former senior manager at Lafarge
 - **Ernst Worrell**: Energy and Resources Professor, Utrecht University
- ✓ Panel Discussion
- ✓ Question & Answer
- ✓ Survey
- ✓ Discussion and Closing Remarks

Clean Energy Ministerial & UN Partnership Supporting the Solutions Center

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- Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April, 2011 for major economy countries
 - One of eleven CEM Initiatives
 - Led by Australia and U.S. with other CEM partners
- Partnership with UN-Energy is extending scope to support all developing countries
 - Enhance resources on policies relating to energy access, small to medium enterprises (SMEs), and financing programs
 - Offer expert policy assistance to all countries
 - Expand peer to peer learning and training



Clean Energy Solutions Center

<http://www.CleanEnergySolutions.org>

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Goals

- Serve as a first-stop clearinghouse of clean energy policy resources.
- Share policy best practices, data, and analysis tools across countries.
- Deliver dynamic services that will enable expert assistance, learning, and peer to peer sharing of experiences
- Foster dialogue on emerging policy issues and innovation across the globe.

Target Audiences

- Primary:
 - Energy policy makers and advisors
 - Analysts
- Secondary:
 - Private sector companies,
 - Energy entrepreneurs and investors
 - Non Governmental Organizations
 - Civil society
 - Others engaged in clean energy



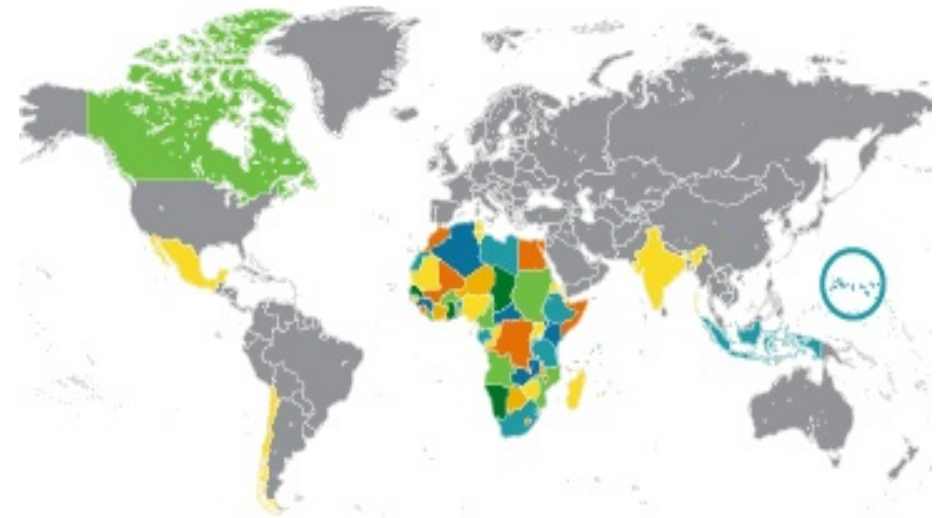
Ask an Expert: Our Experts in Action

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We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors and technologies including:

- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities



Requesting Assistance:

Register on <http://cleanenergysolutions.org/expert>

How You Can Get Involved

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- Request expert assistance or tailored technical resources for your country
- Participate in webinars, training activities, and policy networks
- Offer advice and suggest resources to share
- Sign up for the newsletter



Murat Mirata: Technical Manager, Institute for Industrial Productivity

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Murat Mirata serves as the Technical Manager consultant to the Institute for Industrial Productivity. Since 1996, Murat has assisted numerous private companies and public authorities to develop and implement resource efficiency programmes and/or sustainable development strategies. His specific areas of expertise include: Implementing energy efficiency, water efficiency and waste minimisation programmes in industrial, commercial, institutional and residential establishments. Assisting integration among different industries and among energy provision, waste management, mobility, and sewage infrastructure so as to improve regional resource use effectiveness and efficiency - industrial symbiosis networks. Clean technology identification and assessment for industry and for investors. Development of sustainability strategies for companies and regions. Development and delivery of educational programmes. Murat holds a M.Sc. degree on environmental engineering (Middle East Technical University, Ankara, Turkey) and M.Sc. and Ph.D. degrees on Environmental Management and Policy (Lund University, Sweden).

Arvind Thekdi: President, E3M

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Arvind Thekdi

Dr. Thekdi has over 40 years of experience in energy use and efficiency improvement related activities for all major industries. During his career he has worked with large industries and SMEs in various parts of the world including USA, China, and India etc. Dr. Thekdi has conducted several technology related studies and provided consulting services to industries and governments in several countries in North America, Central America, Asia and Europe He has developed, designed and applied industrial thermal (heating and cooling) systems, waste heat recovery systems and Green House Gases (GHG) reduction systems for heating equipment. He has contributed to development of several energy efficiency tools such as PHAST that allow assessment of current energy use, benchmarking and potential improvements with application of best practices for thermal systems used in manufacturing. Dr. Thekdi has participated in development of energy efficiency standards and offered training programs for implementation of energy systems optimization in industries and SMEs.

Jean-Francois Sautin: Energy Efficiency

Consultant and former senior manager at Lafarge

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Jean-Francois Sautin A graduate of France's Ecole des Mines (Nancy 1970), and Carnegie Mellon University (Master of Sciences 1971), Jean-François Sautin joined the Lafarge Group in 1972, where he has developed his entire career, until retirement in May 2011. His work has spanned eleven operational and functional roles in France, the UK, Canada, USA and Turkey. A Senior Vice-President for the past twelve years, he has managed the technical organisation of the Cement Division, headed Lafarge Cement in the UK, and lastly led Internal Audit for the Group. Sustainable Development issues have been an area of personal interest throughout, from a Master's thesis on environmental issues, through leading the British Cement Association's work on carbon trading and other environmental challenges, and supporting Lafarge's SD programs through dedicated process audits.

Ernst Worrell: Energy and Resources Professor, Utrecht University

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Ernst Worrell is a professor of 'Energy, Resources & Technological Change' at Utrecht University (since 2008). From 2004 until 2010 he was the Director of Energy Use & Efficiency at Ecofys, an international sustainable energy consulting company. He was also a staff scientist at Lawrence Berkeley National Laboratory from 1998 to 2008, leading the industrial energy assessment research. Ernst Worrell brings over 20 years experience in research and evaluation projects in industrial energy and material efficiency improvement, as well as waste management and processing. He has worked with chemical, oil refining, pulp & paper, iron & steel, cement, glass, food and many other industries around the globe. He is author of 4 IPCC reports, including the 4th Assessment Report and is the (co-) author of over 300 publications. He is Editor-in-Chief of the peer-reviewed journal Resources, Conservation and Recycling, one of the leading journals in the field of resources efficiency, and associate editor of Energy, the International Journal and Energy Efficiency. He is also an editorial board member of Waste Management.

Time for Q&A

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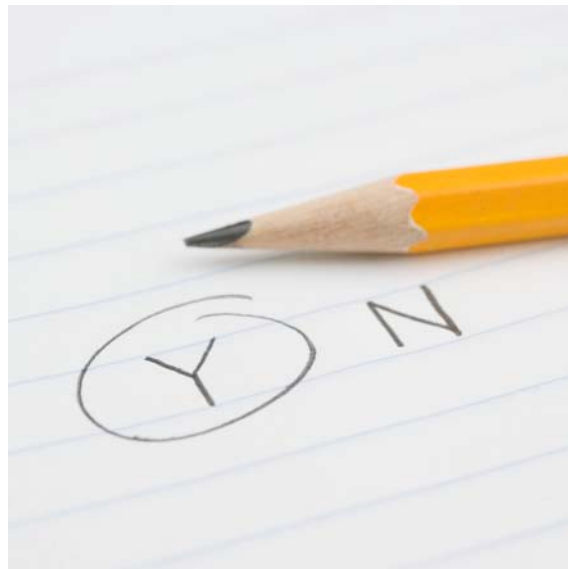
Questions



Survey

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- How did we do?
- Your feedback is important!



Your participation is appreciated!

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Thank you!

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