

# Renewable Energy Trends: REN21 Renewables 2011 Global Status Report

March 19, 2012

Vickie Healey – Moderator

Christine Lins - Presenter



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# Agenda

- Welcome and Introductory Remarks
- Overview of the Clean Energy Solutions Center
  - Vickie Healey
- Renewable Energy Trends: REN21 Renewables 2011 Global Status Report
  - Christine Lins, Executive Secretary REN21
  - [http://cleanenergysolutions.org/online\\_training/webinars/REN21\\_Renewables2011GlobalStatusReport](http://cleanenergysolutions.org/online_training/webinars/REN21_Renewables2011GlobalStatusReport)
- Question & Answer Session
- Discussion / Next Steps and Closing Remarks

# Clean Energy Solutions Center Overview

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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 analysts from governments and technical institutes
- Secondary : Private sector companies, civil society, and others engaged in clean energy issues

# Global Portal for Clean Energy Policy Resources, Expert Assistance, and Peer Learning [www.cleanenergysolutions.org](http://www.cleanenergysolutions.org)

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## Accelerating the Transition to Clean Energy Technologies

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The Clean Energy Solutions Center helps governments turn clean energy visions into reality. We share policy best practices, data, and analysis tools across countries, and serve as a first-stop clearinghouse of clean energy resources. We also offer training, "live" expert assistance, and peer-to-peer learning to help countries tailor solutions to their needs and foster international collaboration on policy innovations.

The Clean Energy Solutions Center was designed and is supported by a unique partnership between the Clean Energy Ministerial and the United Nations inter-agency energy mechanism (UN-Energy).



International climate change and energy experts convene at the World Bank to discuss low-emission future..

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# Overview of Technical Resources

## Clean Energy Resources: Reports, Data, and Tools

The Clean Energy Solutions Center supports the implementation of national clean energy policies by presenting in one place the collective experience—and clean energy resources—of participating countries. To assist Clean Energy Ministerial participants with the design and adoption of clean energy policies and programs, the Solutions Center serves as a first-stop clearinghouse of information and tools on clean energy policies. Data, tools, and reports are available for each of the following topics and resource types listed below. All resources of the Solutions Center are available via [search](#).

### Energy Topics

#### Energy Efficiency

- Appliances and Equipment
- Buildings
- Industry
- Utilities

#### Renewable Energy

- Biofuels
- Electricity: Biomass Power, Geothermal Power, Hydropower, Solar Power, Wind Power, Crosscutting Technologies
- Heating and Cooling
- Rural Energy Programs

#### Clean Transportation

- Alternative Fuels and Vehicles
- Fuel Efficiency
- Vehicle Miles Traveled Reduction
- Public Transit

#### Crosscutting

- Low-Carbon Communities
- Smart Grid

#### Clean Fossil

The Solutions Center will soon present tools and resources to support policy and program design and implementation for these clean fossil technologies: carbon capture and sequestration (CCS), clean coal, and natural gas fuel switching.

### Data, Resource Type

#### Best Practices

These best practices highlight key policy design and implementation considerations from prominent studies. They are not intended to serve as definitive or comprehensive guidance for policy-makers.

- Energy Efficiency
- Renewable Energy
- Clean Transportation
- Crosscutting and Infrastructure

#### Analysis Tools

These models and tools for clean energy analysis include both tools that were developed primarily for use in one country and tools that are easily applied across multiple countries.

- Opportunity Assessment and Screening
- Market Analysis
- System and Application Design
- Policy, Deployment and Program Impact

#### Deployment Impacts

Information on economic, environmental, energy, social and security and reliability impacts

#### Potentials and Scenarios

Information on technical and economic potential and scenarios for CEM countries as well as available GIS tools

#### Policy and Deployment Data

Information on the status of prominent policies and trends with levels of clean energy deployment across the Clean Energy Ministerial (CEM) countries

# Broad Portfolio of Peer Learning Webinars and Training Resources

- Conduct monthly webinars on policy topics of interest
- Conduct tailored country specific webinars on priority topics – e.g. industrial efficiency with India, marketing of EE product labels with Mexico
- Leonardo Energy: 2 upcoming webinars on regulations & sustainable energy in developing countries. March 22<sup>nd</sup> and April 5<sup>th</sup> : <http://www.leonardo-energy.org/course-regulation-and-sustainable-energy-developing-countries>
- Provide training materials (videos, presentations, curriculum, etc.) in partnership with Leonardo Energy, UN, IPEEC, IRENA, others

## Recent Webinars

### Finance

#### Financial and Policy Innovations to Support Energy Efficiency: Energy Performance Contracting and On-Bill Financing

19 July 2011

This webinar provided in-depth presentations that describe two types of innovative energy efficiency financing policies: (1) Policies that enable use of energy performance contracting, and (2) Models of programs that allow for on-bill utility financing of energy efficiency improvements.

## Training Videos by Leonardo Energy

### Renewable Energy Tools

#### Solar Energy Assessment for Community Energy Planning

Learn to evaluate the potential energy production of solar technologies and how to make an educated decision about installing solar power.

#### Introduction to Small-Scale Wind Energy Systems

Learn about small-scale wind turbines, including as vertical- and horizontal-axis turbines. The video includes a tutorial for RETscreen's wind tool, which presents how to effectively navigate the wind module of RETscreen.



# Ask an Expert Services Available to All Countries

- **No Cost Expert Assistance on Clean Energy Policy Issues**
- Established a technical resource team for energy efficiency, renewable energy, clean transport, and energy access
  - Policy support is available to representatives from government agencies and technical institutes assisting governments from any country
- Provide quick response & expert advice and assistance on clean energy policies
  - To register and request assistance go to: <http://cleanenergysolutions.org/expert>
- Renewable Energy
  - **Dr John Wright**, Principal, Wright Energy Consulting - Australia



# Tailored Country Support

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- In addition to country specific webinars also providing in-depth support in some cases.
- Development of state and local clean energy policy data base for India building from U.S. DSIRE model
  - Will provide platform to help other countries develop similar state and local policy data systems
- Assisting South Africa with incentive based efficiency program for commercial sector
- Assisting Indonesia with developing an energy audit program
- Assisting Namibia with building certification program and appliance labeling program

# Pursuing Extensive Outreach and Partnerships

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- Outreach Initiatives

- Energy-L Biweekly Policy Highlights with IISD
- Solutions Center Newsletter
- Global webinars and tailored country webinars



- Other Strategic Partnerships

- REN21, IRENA, IEA, IPEEC, REEEP, IISD, ClimateWorks, BNEF, other CEM Initiatives, etc.




# Accessing Solutions Center Resources

We encourage you to:

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- 1) Explore our online resources
- 2) Submit a request for Policy assistance via “Ask an Expert”
- 3) Subscribe to our newsletter
- 4) Suggest topics for webinars



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***Christine Lins***  
***Executive Secretary, REN21***

**REN21** Renewable Energy  
Policy Network  
for the 21st Century



Time for Q&A

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## Questions





- How Clean Energy Solutions Center Resources and Services Can help with Strengthening of Renewable Energy Policies and Programs.

Your participation is appreciated!

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Thank you

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