

# Assessing Wind Energy Potential with the New Global Wind Atlas

3 November 2015

# Disclaimer

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# Some Housekeeping Items

## Two Options for Audio (select audio mode):

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# Some Housekeeping Items (continued)

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# Agenda

1

**Welcome &  
Introductory  
Remarks**

2

**Overview of the  
Clean Energy  
Solutions Center**

- **Sean Esterly**, National Renewable Energy Laboratory

3

**Presentations**

- **Dr. Nicolas Fichaux**, Programme Officer for Knowledge, IRENA
- **Jake Badger**, Senior Researcher, DTU Wind Energy
- **Abdulmalik Ali**, Associate Programme Officer, IRENA

4

**Question and  
Answer Session**

5

**Attendee  
Survey**

# Solutions Center Background and Vision

CleanEnergySolutions.org

**The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April 2011. The Solutions Center:**

- Is one of 13 CEM Initiatives, which include:
  - Global Superior Energy Performance Partnership
  - Super-Efficient Equipment and Appliance Deployment initiative
  - Global Lighting and Energy Access Partnership
- Helps governments design and adopt policies and programs that support the deployment of clean energy technologies
- Has more than 35 partners, including IRENA, IEA, IPEEC, Sustainable Energy for All, Bloomberg New Energy Finance and Leonardo Energy
- Is co-chaired by the U.S. Department of Energy and the Australian Department of Industry.



Australia



Denmark



India



Indonesia



Italy



Japan



Mexico



South Africa



France



United Arab Emirates



United States

# Clean Energy Solutions Center

CleanEnergySolutions.org

## Goals

- **Serve** as the primary resource for clean energy policy information, assistance and peer learning for governments and government-affiliated practitioners.
- **Share** policy best practices, data, and analysis tools across countries.
- **Deliver** dynamic services that enable expert assistance, learning, and peer-to-peer sharing of experiences.
- **Foster** dialogue on emerging policy issues and innovation across the globe.

## Primary

- Government Policy Makers
- Advisors

## Secondary

- Private Sector Companies
- Energy Entrepreneurs and Investors
- Non-Governmental Organizations
- Civil Society
- Others Engaged in Clean Energy

## Target Audiences

# Ask-an-Expert: Our Experts in Action

CleanEnergySolutions.org

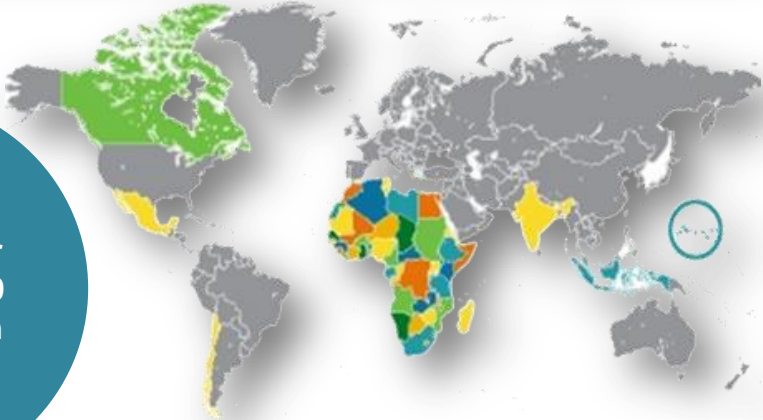


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



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

Delivered no-cost assistance for more than 160 requests from over 75 countries.



Please submit a question directly at [cleanenergysolutions.org/expert](https://cleanenergysolutions.org/expert)  
Or contact me directly to find out how the Ask-an-Expert program can benefit your work:  
[Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) | 303-384-7436



# Dr. Nicolas Fichaux, Programme Officer for Knowledge, IRENA



Dr. Nicolas Fichaux graduated with a PhD in offshore wind energy in 2003. He then worked with the French Agency for Energy and Environment as an R&D officer. He joined the European Wind Industry association in 2007 as Secretary General of the European Wind Energy Technology Platform, and Head of Policy Analysis. Since 2011, he has worked as a Programme Officer for Knowledge at the International Renewable Energy Agency, in particular on the Global Atlas for Renewable Energy, and Resource – IRENA's renewable energy knowledge platform.

# Jake Badger, Senior Researcher, Technical University of Denmark



Jake Badger has carried out research and development within numerical wind resource assessment methodologies for over 14 years. He has been principle modeler in more than 15 international wind resource study projects. He is expert in application of the mesoscale modelling output (numerical wind atlas data) in microscale models (including WAsP) for site specific verification and feasibility studies. His research goals include improving accuracy of resource assessment, obtaining reliable uncertainty estimation, and modelling of wake effects and application of satellite derived winds in resource assessment systems.

# Abdulmalik Ali, Associate Programme Officer, IRENA



Abdulmalik Ali is an Associate Programme Officer at the International Renewable Energy Agency (IRENA) where he supports the development of an internet based Global Atlas for Renewable Energy, which is the world's largest globally accessible geographic information product dedicated to promoting prospective areas for renewable energy development all over the world. Abdulmalik has extensive experience in IT implementation, with notable positions held in IT support with leading IT services companies in Nigeria. These include NetServeAfrica where he supported the development and implementation of mobile messaging solutions for transaction alerts in financial institutions across Nigeria and Firston Technologies Ltd where he supported the implementation of local money transfer solutions in the country. He is a PMI certified Project Management Professional and holds a Bachelor's degree in Theoretical Physics.

# Question and Answer Session

Please submit any questions through the “Question Pane” of the GoToWebinar panel

## Questions



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# Attendee Survey

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# Your Participation is Appreciated!

## THANK YOU!

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- For more information on the “Ask-an-Expert” program please email me directly:
  - [Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) or 303-384-7436