Clean Energy Solutions Center and the International Smart Grid Action Network (ISGAN) and the Global Smart Grid Federation

# Smart Grids Model Region Salzburg

December 5, 2013

#### **Moderators:**

**Sean Esterly** – National Renewable Energy Laboratory **Irmgard Herold** – AIT Austrian Institute of Technology GmbH

#### **Panelists:**

**Daniel Reiter** - Salzburg AG (DSO)

Sara Ghaemi - AIT Austrian Institute of Technology

**GmbH** 







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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





# Some Housekeeping items

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# Some housekeeping Items (continued)

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## Agenda

- ✓ Welcome and Introductory Remarks
- ✓ Overview of the <u>Clean Energy Solutions Center</u>
  - > Sean Esterly: National Renewable Energy Laboratory
- ✓ Presentations Panelists:
  - Irmgard Herold AIT Austrian Institute of Technology GmbH
  - > Daniel Reiter Salzburg AG (DSO)
  - > Sara Ghaemi AIT Austrian Institute of Technology GmbH
- ✓ Closing Remarks
- ✓ Question & Answer
  - Irmgard Herold AIT Austrian Institute of Technology GmbH
- ✓ Survey





# Clean Energy Ministerial & UN Partnership Supporting the Solutions Center

- 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









N-Energy

# Clean Energy Solutions Center http://www.CleanEnergySolutions.org

#### 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



















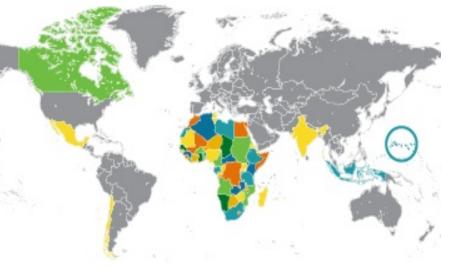




We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies**, **regulations**, **standards**, **financial incentives**, **and deployment programs** for a broad range of clean energy sectors and technologies including:



- **≻Smart Grid**
- ➤ Renewable Energy
- ➤ Energy Access
- ➤ Energy Efficiency
- ➤ Transportation
- **➤**Utilities



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### How You Can Get Involved

- 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
- Register for our newsletter







#### Irmgard Herold, AIT Austrian Institute of Technology GmbH



Irmgard Herold studied Environmental Sciences at the University of Graz (Austria) and Exeter (UK) with a focus on renewable energy. After working for the Austrian Ministry for Agriculture and Environment, she joined the consultancy company Bloomberg New Energy Finance in London. She currently is responsible for research funding in the "Electric Energy Systems" business unit at AIT. In addition, Irmgard concentrates on international networking activities, for instance, in the framework of ISGAN, the European Electricity Grid Initiative and the European Coordination and Support Action GRID+.





#### **Daniel Reiter**, Salzburg AG (DSO)



Daniel Reiter studied Eco-Energy Engineering at the University of Applied Sciences Upper Austria and graduated in 2007. After joining Salzburg AG (Austrian Multi Utility Company), he worked for the Staff Unit Renewable Energies and the District Heating Department. Since 2009, he has been assistant to the Head of the Grid Division (including electricity, natural gas, district heating, water and telecom grids). From 2008 to 2010, Daniel led the R&D project OPTRES, which developed a roadmap for the future energy infrastructure in City of Salzburg, based on energy system models. Since 2009, he has been coordinating the R&D program Smart Grids Model Region Salzburg.





#### Sara Ghaemi, AIT Austrian Institute of Technology GmbH



**Sara Ghaemi** holds her Ph.D degree in Electrical Engineering with a focus on energy systems from the Technical University of Vienna (TU Wien). She joined Siemens as a software developer in the field of "load frequency control". Currently, she works as scientist at AIT where she is responsible for the integration of demand response into smart grids in the "Electric Energy Systems" business unit. Sara is responsible for planning, developing and analyzing projects related to active participation of demand side in smart grids.





# Time for Q&A

# Questions







# Survey

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









## Your participation is appreciated!

### Thank you!

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