

Energy Policy, Research and Innovation in Sweden

25 January 2017

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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*

Agenda

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Welcome & Introductory Remarks

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Overview of the Clean Energy Solutions Center

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

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Presentations

- **Robert Andrén**, Director General for Energy, Ministry of the Environment and Energy
- **Lars Guldbrand**, Senior Adviser, Ministry of the Environment and Energy
- **Rémy Kolessar**, Director of the Dept. for Research & Innovation, Swedish Energy Agency
- **Andreas Stubelius**, Senior Project Manager, Dept. of Market Development, Swedish Energy Agency

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Question and Answer Session

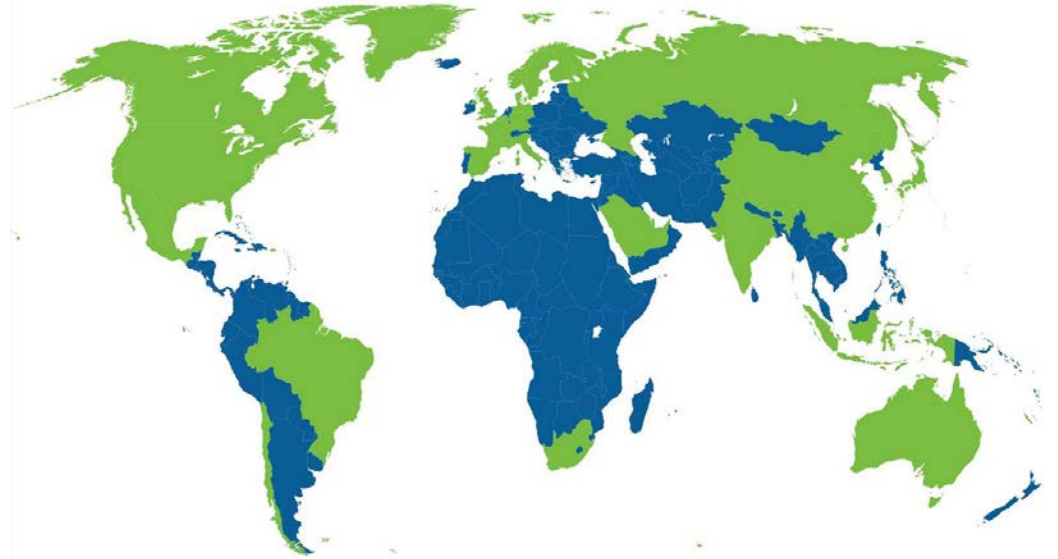
Clean Energy Ministerial

The Solutions Center:

- Launched under the Clean Energy Ministerial (CEM) in 2011

Clean Energy Ministerial:

- A high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy.



90%
of
Clean energy
investment

&

75%
of
Global CO₂
emissions

Clean Energy Ministerial: Initiatives

The Solutions Center:

- Is one of 9 CEM Initiatives, which include:
 - ❖ International Smart Grid Action Network
 - ❖ 21st Century Power Partnership
 - ❖ Global Lighting and Energy Access Partnership

Three Overarching Goals of CEM:

- Improve Energy Efficiency Worldwide
- Enhance Clean Energy Supply
- Expand Clean Energy Access

ENERGY DEMAND



Appliances



Energy Management



Electric Vehicles

ENERGY SYSTEMS & INTEGRATION



21st Century Power



Energy Access



Smart Grids



Sustainable Cities

CROSCUTTING SUPPORT



Clean Energy Policy



Women in Clean Energy

ENERGY SUPPLY



Solar and Wind

Solutions Center: Background & Vision

The **Solutions Center** helps governments design and adopt policies and programs that support the deployment of clean energy technologies.

Led by Australia, Sweden, and United States, with in-kind support from Canada and Mexico.



Solutions Center: Goals and Audience

Goals

- **Serve** as a principal clearinghouse of clean energy policy and program resources
- **Share** clean energy policy best practices, data, and analysis tools across countries and economies
- **Deliver** dynamic, customized services that enable expert assistance, learning, and knowledge sharing
- **Foster** dialogue on emerging policy issues and innovation across the globe
- **Serve** as a primary resource for project financing options and information to expand markets for clean energy

Target Audiences

- **Primary**
 - Government Policy Makers and Advisors
- **Secondary**
 - Private-Sector Companies
 - Energy Entrepreneurs and Investors
 - Non-Governmental Organizations
 - Civil Society
 - Others Engaged in Clean Energy

Solutions Center: Partnerships

More than 35 international partners

- IRENA
- IEA
- Sustainable Energy for All (SE4ALL)
- Bloomberg New Energy Finance
- United Nations Environment Programme (UNEP)
- ECOWAS Center for Renewable Energy and Energy Efficiency
- Power Africa

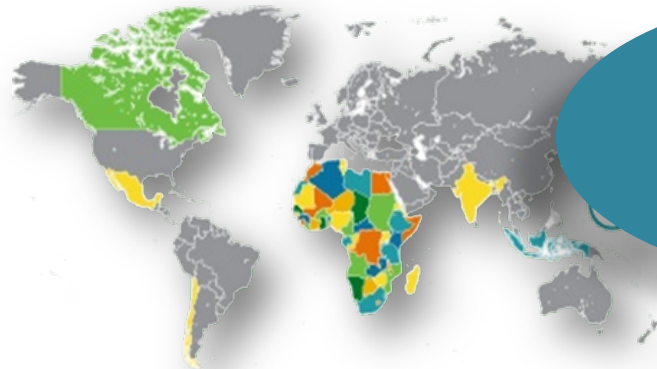


Ask an Expert: Our Experts in Action



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:

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



Responded to
more than 300
requests from
over 90 countries.

Go to <https://cleanenergysolutions.org/expert> to submit a request!

Robert Andrén, Director General for Energy, Ministry of the Environment and Energy



Robert has been working within the Government offices for 15 years. He has served as Director General since 2007 at the Ministry of Agriculture, the Ministry of Rural Affairs and since 2015 at the Ministry of Environment and Energy. He was also appointed Deputy Governor in the County of Värmland 2013-2015. Robert is the Swedish representative to the Governing Board of IEA. He has also served as an expert to the Swedish Foundation for Strategic Environmental Research (MISTRA). He has a M.Sc. and Ph.D. in Population Genetics.

Lars Guldbrand, Senior Adviser, Ministry of the Environment and Energy



Lars has a Ph.D. in physical chemistry. He has been working with the administration and funding of energy research and innovation since 1989 in various Swedish government agencies and ministries. Is the Swedish delegate to the IEA Committee on Energy Research and Technology, to the Programme Committee for Energy in the EU Horizon 2020 programme, in the EU SET-Plan Steering Group, and a representative in the board of the Nordic Energy Research institution

Rémy Kolessar, Director of the Dept. for Research & Innovation, Swedish Energy Agency



Dr. Rémy Kolessar has a M.Sc. in Applied Physics and Ph.D. degree in electrical engineering. He has a background in the microelectronic industry and has more than 20 years' experience in the energy sector serving various positions within academia and government agencies. Since August 2014, he is the Director of the Department for Research and Innovation at the Swedish Energy Agency, the third largest public research funding agency in Sweden.

Andreas Stubelius, Senior Project Manager, Dept. of Market Development, Swedish Energy Agency



Andreas Stubelius is the Portfolio Manager at the Swedish Energy Agency. He has more than 15 years' experience within the Energy field and holds a degree in Energy engineering and corporate finance. Andreas is a member of the Cleantech 100 expert panel and also a member of the Nordic Cleantech Open jury. The portfolio of consists of more than 70 Cleantech start-ups.

Question and Answer Session

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THANK YOU!

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