

Clean Energy Innovation in Mexico

30 May 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

1

Welcome & Introductory Remarks

2

Overview of the Clean Energy Solutions Center

- **Stephanie Hernandez**, Clean Energy Solutions Center

3

Presentations

- Energy Sustainability Fund - **Ing. Carlos Roberto Ortiz Gomez**
- Mexican Innovation Centres for Clean Energy - **Dr. Edgar Santoyo-Castelazo**
- National Research Priorities - **Ing. Carlos Roberto Ortiz Gomez**
- International Cooperation UK/Europe - **Nelson Mojarro**
- International Cooperation USA - **Dr. Hermann Tribukait**
- Mission Innovation - **Ing. Carlos Roberto Ortiz Gomez**
- Clean Energy Prize PRODETES - **Araceli Cordero**

4

Question and Answer Session

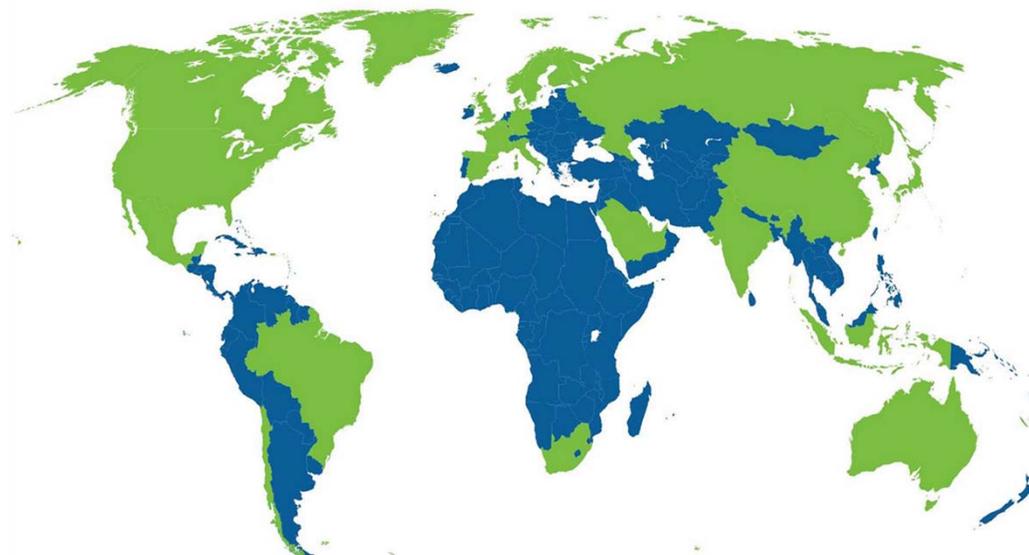
Clean Energy Ministerial

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

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

Programs and Services

- **Team of 60+ experts from around the globe delivered technical support for 350+ policy requests from more than 80 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures and finance portal in 2015
- **Trained over 15,000 officials through more than 225 webinars and training events with others**
- **Strong & growing partnerships with development agencies and regional and global organizations in delivery of support**
- **Over 5500 resources in curated library for policy makers**

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

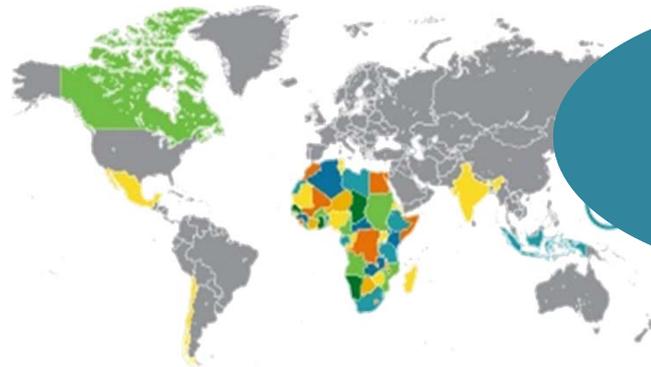


Ask an Expert: Our Experts in Action



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.

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Ing. Carlos Roberto Ortiz Gomez, Director General of Research, Technological Development and Training of Human Resources, Ministry of Energy



Carlos is responsible for the research agenda and training of human resources of the Energy Sector in Mexico. Prior to joining the Department of Energy, Carlos worked as a consultant in the development of energy strategy and urban development Cornfields Arroyo Seco in Los Angeles California, Hunters Point in San Francisco CA and several cogeneration projects in Mexico and the United States.

Since 2009 Carlos has been involved with the Funds for Research and Technological Development of the Mexican Energy Sector giving consultancy agencies like Conacyt, Secretary of Energy, and collaborating with companies like Alliance Fiidem and Comimsa. In 2013 Carlos was appointed Director General of Information and Energy Studies SENER. In 2015 Carlos was appointed Director General of Research, Technological Development and Training of Human Resources, Ministry of Energy, a position he currently holds.

Carlos is a Mechanical Engineer from the University of South Florida, and has studied Sustainability from the Universidad Iberoamericana.

Dr. Edgar Santoyo-Castelazo, Director of Technological Innovation, Ministry of Energy



Edgar is a chemical engineer from the University of Morelos State in Mexico. He completed his PhD at the University of Manchester in UK (2007-2011), where he also worked as a research associate and a lecturer (2011-2013) on the themes related to Sustainable Chemical Engineering, Life cycle Assessment and Sustainable Assessment of Energy Systems.

His main responsibilities consider the design, planning, implementation and monitoring of the Energy Sectorial Funds CONACYT-SENER, to promote and enhance collaboration among stakeholders for applied research, innovation, technological development and specialized training.

Among the main projects under his supervision, and where he has an active participation, include: the Mexican Energy Innovation Centers (CEMIE), the development of National Road Maps for Clean Energy, the strengthening of the National Institute of Electricity and Clean Energy (INEEL), and the promotion of international cooperation. Dr. Santoyo is a member of the National Researchers System of Mexico and he teaches a postgraduate course on “Sustainable Development in Industry: and introduction to life cycle assessment and its applications” at the National Autonomous University of Mexico (UNAM).

Nelson Mojarro, Representative in Europe of the Energy Sustainability Fund and the Hydrocarbons Fund of the Ministry of Energy



Nelson Mojarro is the Representative in Europe of the Energy Sustainability Fund and the Hydrocarbons Fund of the Ministry of Energy and CONACYT of Mexico. His work focuses on establishing and strengthening links and promoting cooperation between European institutions and Mexico on research, innovation and energy topics. In 2015, he led the initiative for the first ever Joint Call and largest bilateral cooperation of Mexico on Energy R&D, a cooperation between the European Commission and Mexico under Horizon 2020 and the Energy Sustainability Fund, an agreement worth €20 million euros. In addition, he led the activities for the cooperation between Mexico and the UK on Energy R&D, an agreement with Innovate UK worth £5 million. He is Mexico's representative for Mission Innovation (MI) and co-lead of the Business and Investor Engagement Sub-Group of MI, an initiative launched at COP21 together with the Breakthrough Energy Coalition, led by Bill Gates.

Mr. Mojarro is a former OIES Saudi Aramco Fellow at the Oxford Institute for Energy Studies, of the University of Oxford. He did his doctorate studies in SPRU, University of Sussex and holds an MA in Industry and Innovation Analysis from this institution.

Dr. Hermann Tribukait, Task Force Leader, Mexico's Mission Innovation Team



Dr. Hermann Tribukait is an economist and energy specialist with 20 years of experience in consulting, economic research, and investment banking. He is the Ambassador to North America of Mexico's Energy R&D Funds and the Task Force Leader of Mexico's Mission Innovation team, specialized in energy innovation and technology development projects. His projects include a \$10 million dollar initiative to finance energy efficiency technology projects launched by the Ministry of Energy of Mexico and CONACYT, and the Advanced Materials Innovation Challenge of MI that aims to accelerate the discovery of high-performance materials by 10x.

Dr. Tribukait has provided consulting and advisory services for Fortune 500 companies and multinational corporations in various industries, including energy, natural resources, and technology. He has conducted academic presentations and seminars at Harvard Business School, Harvard Law School, Bocconi School of Management, the Board of Governors of the Federal Reserve System, and the European Central Bank, among others, and was a panelist at the California Climate Change Symposium 2015. In 2016, he was invited to give testimony to the California Senate on California-Mexico Cooperation, and as a delegate to the 22nd Conference of the Parties (COP 22) and the Mission Innovation ministerial meeting in Marrakech, Morocco. He was a founding analyst of the first Mexican investment bank, Protego.

Dr. Tribukait earned a BA in Economics from ITAM (Mexico) with highest honors, and a Masters and Ph.D. in Economics from Harvard University. He is fluent in English, German, and Spanish.

Araceli Cordero Vilchis, Director of Talent, Undersecretary for Energy Planning and Transition, Ministry of Energy



Araceli Cordero Vilchis. Since 2014 is Director of Talent in the Undersecretary for Energy Planning and Transition at the Mexican Ministry of Energy. She was part of the construction team of the Strategic Program for Human Capital Training in Energy. It is responsible for the coordination of the Sustainable Energy Technologies Development Project, PRODETES, a project that drives the PRODETES Award that promotes the development of clean energy technologies businesses through the granting of economic incentives.

Question and Answer Session

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