



INTERNATIONAL CONGRESS

I + D + i

ENERGY SUSTAINABILITY

# *International Congress on Research + Development + Innovation for Energy Sustainability*



Third international Congress organized by INER to be held under the framework of the Innovative Smart Grid Technologies (ISGTLA) developed by the Institute of Electrical and Electronics Engineers (IEEE) Power and Energy Society (PES) Ecuador chapter.



# Review

The National Institute of Energy Efficiency and Renewable Energy (Spanish initials INER), fulfilling its functions, has created, planned, organized and executed in 2013 the first International Congress on Energy Sustainability, which had a second edition in 2015.

These events generated interest in the Academic public and researchers, so it was assumed the commitment to hold this event every two years.

The I+d+i Congress in Energy Sustainability, has earned its prestige and begins to be considered a referential event in the region.





## Results 2013

- 300 participants attending the Congress (12 countries of the world)
- 4 international keynote speakers
- 39 articles published in the memoirs of the event
- Discussion forum with 18 national and international researchers



## Results 2015

- More than 300 participants attending the Congress
- More than 2500 attendees to the Science Fair
- 22 sponsoring institutions
- Exhibitions of 6 scientific research centers in the region
- 32 keynote speakers from 12 different nationalities
- 62 articles received
- 18 articles exposed in paper
- 30 items exposed in poster mode
- 6 winning articles published in the Technical Energy Magazine
- Impact of ATL and BTL communication: 1,386,316 people





# Congress 2017 Objectives

- Promote scientific research in the area of Energy Efficiency and Renewable Energy developed in Ecuador.
- Encourage the development of scientific articles and the relationship between national and international researchers.
- Engage high-level specialists and researchers with national scientific work and facilitate access to scientific knowledge and linkage of the non-specialist public.



## Proposed Topics:

Habitat: Sustainable Intermediate Cities	Mobility: Efficient urban and intercity transportation	Industries: Energy optimization	Energy Production: Use of non-conventional energy sources
Energy efficiency in public spaces lighting	Multimodal Transportation	Cogeneration, Trigeneration and systems of energy utilization in energy intensive industries.	Direct uses of non-conventional renewable energy
Active and passive systems in energy efficiency for buildings	Urban and interurban logistics	New technological developments for energy efficiency in industries	Energy supply management studies
Urban heat island	New technologies for mobility	Intelligent control applied to industrial energy efficiency	



## *Expected Results*

- 400 people registered to the event
- Reception of at least 80 scientific articles
- 40 articles published in “Latindex” indexed memoirs
- 6 articles published in the Energy Technical Magazine





## About us

The National Institute of Energy Efficiency and Renewable Energy was created by Executive Decree No. 1048 of February 10th , 2012, published in Official Register No. 649 of February 28th , 2012.

We are the Public Research Institute responsible for the generation of scientific and technological knowledge and the development of local capacity in the energy efficiency and renewable energy fields. We contribute to decision making in the diversification of the energy mix, change of the productive matrix and climate change mitigation.



# Research Lines



Public  
Lighting



Buildings



Industries



Transport



Biomass



Wind



Geothermal



Solar



Prospective



## *Fields of Activity*



Habitat



Mobility



Industry



Energy  
Production





# Resultados de Gestión de Conocimiento

-  78 published articles
-  4 scientific research laboratories implemented
-  5 developed prototypes
-  1 patent granted and 6 applications for patents requested
-  16 quotations of INER articles made in different countries of the world





# INER

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