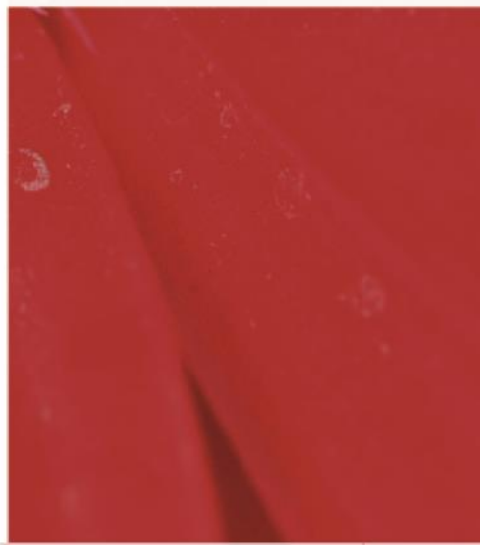
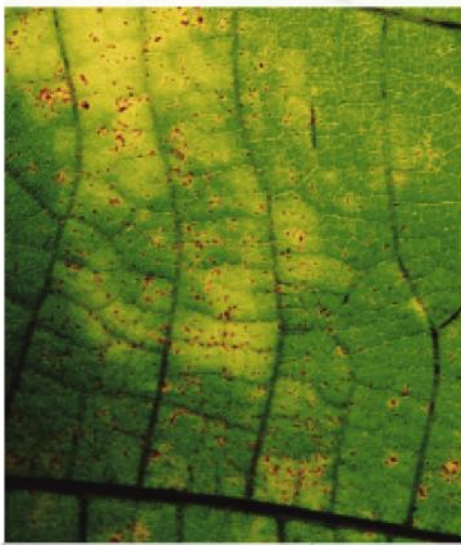
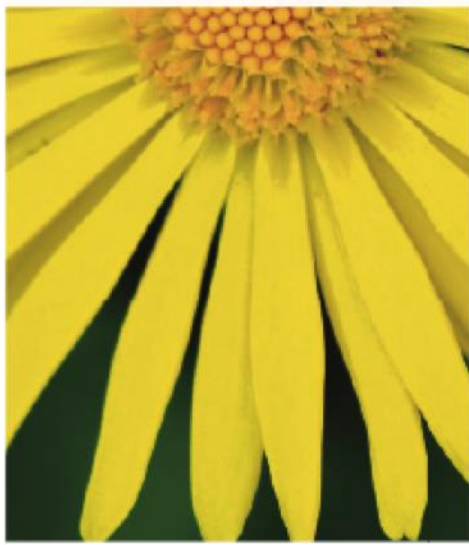


**ECPA**

**Energy and Climate  
Partnership of the Americas**

[www.ecpamericas.org](http://www.ecpamericas.org)





**Energy and Climate**  
Partnership of the Americas

# Public Discussion Forum on Energy and Climate Change Education

Advancing energy and climate change  
awareness, education and literacy  
through ECPA

Juan Cruz Monticelli  
ECPA Clearinghouse  
Organization of American States



Organization of  
American States

## Overview

What is ECPA?

Clearinghouse

Energy and  
Climate Change  
Education







## What is ECPA

- Launched at the 2009 Summit of the Americas held in Trinidad and Tobago.
  - Leaders underscored that energy and climate change are among the most important issues confronting our future and they reaffirmed their commitment to work together towards a clean energy future.
- Fosters partnerships for greater dialogue, collaboration and awareness on energy and climate.
- Hemispheric
- Voluntary
- Flexible
- Governments, civil society, private sector
- Initiatives that reflect priorities
- Energy and climate initiatives



# Seven pillars for a sustainable Americas



**Energy  
efficiency**



**Renewable  
Energy**



**Cleaner and  
more efficient  
use of fossil  
fuels**



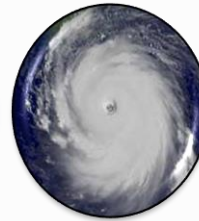
**Energy  
infrastructure  
ure**



**Energy  
poverty**



**Sustainable  
forests and  
land use**



**Adaptation**

## Clearinghouse

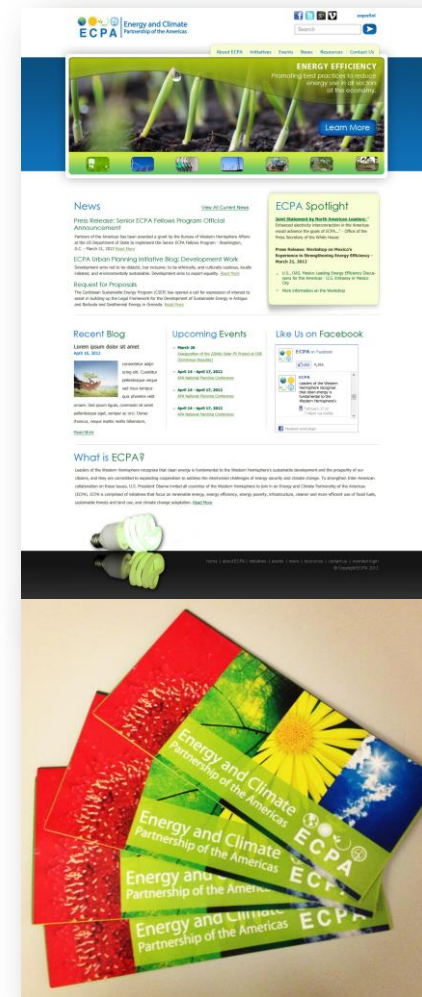
- Managed and hosted by the OAS
- Information exchange
- Promotion of dialogue
- Focal points, Pillar coordinators
- Meetings and events (working groups, ministerials, pre-summit activities)
- Resource for governments and current initiatives
- Technical assistance
- Access to information on initiatives





# Communication Tools

- Website
- Newsletter
- Social Media
- Outreach materials
- Media Kit
- Branding



## Energy and Climate Change Education

- Approaches to energy and climate change education and literacy (OAS, ECPA & CH)
- Awareness, literacy and education
- Various stakeholders with varying needs





## Caribbean Energy Education and Awareness Program

- CSEP Component
- Builds human and institutional capacity to support sustainable energy projects and programs
- Teachers, students, and the general public.
- Outcomes
  - Teacher's Guide
  - Student textbook
  - Board game & memo cards intended for students
  - Interactive DVD
- ECPA will adapt this program in the Dominican Republic in 2014-2015.



The Pilot Program includes a Teachers' Guide, Learn and Save Textbook for students, interactive DVD, and educational games

## Energy Efficiency Working Group

- Government of Mexico
- Dissemination of best practices in energy efficiency policy and regulation
- Transport, government and residential buildings, industry, appliances, etc
  - Seminars
  - Workshops
  - Technical exchange missions





# Energy and Climate Partnership of the Americas

## Energy Efficiency Working Group



## Clean Energy Exchange Program of the Americas

- U.S. Trade and Development Agency (USTDA)
- Reverse trade missions
- Fostered information exchanges on the commercial, technological, regulatory, and financial aspects of clean energy project development
- 50 Latin American and Caribbean energy officials and project sponsors brought to the U.S.





## Sustainable Communities in Central America and the Caribbean

- Economic development, housing, pollution prevention, environmental protection and sustainable transport
- New policies emphasizing public transport, cycling and walking, traffic reduction, etc.
- Waste management, climate, energy, traffic reduction, and outreach and awareness





CIDI meeting Washington, DC 2013



Dominican Republic



La Salle, Nicaragua



San José, Costa Rica



Medellín, Colombia



San Salvador, El Salvador

## Renewable Energy and Climate Science for the Americas: Metrology and Technology Challenges

- Measurement sciences
- Training on greenhouse gas emissions measurement, renewable energy and energy efficiency measurements and standards
- Technical staff at 34 national metrology centers or institutions across the Americas



## Andean Climate Change Inter-American Observatory Network (ACCION)

- SUNY at Albany
- Builds the capacity of young scientists to analyze and understand climate change-induced phenomena
- Findings raise awareness among policy makers.
- Chile, Colombia, Ecuador and Peru







Training in Ecuador  
(2012)

Andean Climate Change Inter-  
American Observatory Network  
(ACCION) School in Lima, Peru  
(September 2013)

## Energy Innovation Center

- Inter-American Development Bank
- Promotes energy innovation and knowledge exchange
- Serves as a regional incubator for implementation and financing
- Technical assistance
- Capacity building programs
- Support for sustainable energy innovation



## Improved access to clean energy in rural Central America using on-site solar and bio-power generation

- Michigan State University & Universidad de Costa Rica
- Trains small producers to develop and deploy integrated, small-scale, self-sustained, waste-to-clean energy generation systems
  - Release of methane into the atmosphere is avoided
  - Value-added by-products such as fertilizers
  - Water pollution is curbed
  - Energy in the form of electricity or heat is generated





Improved access to clean energy in rural Central America using on-site solar and bio-power generation in Costa Rica





## Higher Education for Development (HED)

- University of the West Indies Centre for Resource Management and Environmental Studies
- Build permanent local capacity on climate adaptation in the Caribbean
- Expanded research and policy
- Outreach to policy makers
- Develop courses for academic, public and private sector audiences



## Solar Professionals' Academy of the Americas

- Solar Energy International
- Trained 50 people
- Mexico, Guatemala, Nicaragua, Honduras, El Salvador, Costa Rica, Panama and Belize
- Design, installation and maintenance of solar photovoltaic systems
- Technical skills needed to administer clean energy businesses







Solar Professional Academy  
of the Americas Hands-On  
training in Liberia, Costa Rica  
(October, 2013)



## “Yo Emprendedor” Initiative

- Develops entrepreneurial capacity in clean energy in Central America and the Caribbean
- Entrepreneurs participate in free webinars
- Skills that help develop successful clean energy business plans

*Yo emprendedor*  
TALENTO IDEAS INNOVACIÓN







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Partnership of the Americas



Organization of  
American States

Thank You!

**Juan Cruz Monticelli**

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