Overview of OAS activities in the Caribbean

Supporting a Transition to a Sustainable Energy Future

Sustainable Energy Project Development Workshop:

Experience, Strategies and Implementation

19th of August 2014

Organization of American States

Organization of American States

Outline

- OAS/DSD country-assistance
- Summary of OAS interventions
- Current Initiatives and main activities
- Briefing on SECBI Project

Hemispheric Partnerships

- **Energy and Climate Change Partnership of the Americas** www.ecpamericas.org
- Renewable Energy and Energy Efficiency Partnership www.reeep.org

Policy/Technical Assistance

- Support Preparation of National Energy Policies, Plans, Laws, Regulations
- Build human and institutional capacity
- Identify/assess sustainable energy project opportunities, and support their development

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 Partnerships

Organization of American States

ECPA Seven pillars

- Renewable Energy
- Cleaner and more efficient use of fossil fuels
- Energy infrastructure
- Energy poverty
- Sustainable forests and land use
- Adaptation
- Energy efficiency

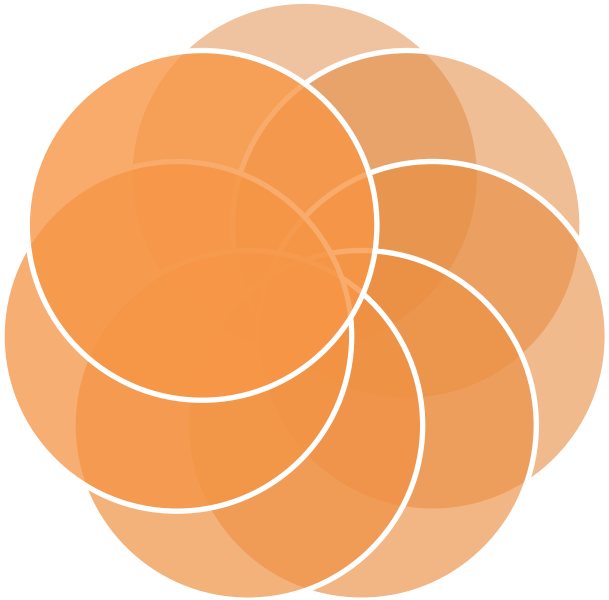
ECPA Clearinghouse

Organization of American States

Managed and hosted by the OAS

Technical assistance

Information access and exchange



Resource for governments and initiatives

Promotion of dialogue

Convening working groups, ministerial

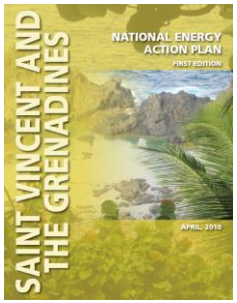
Focal points

ECPA Energy and Climate Partnership of the Americas

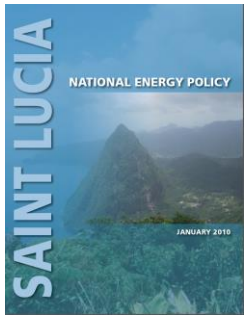
Policy Support

Organization of American States

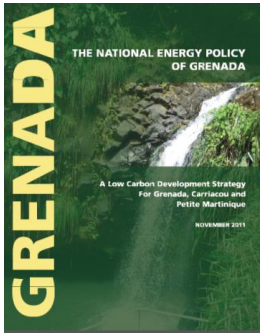
St. Vincent and the Grenadines (NEP 2009 and SEAP 2010)



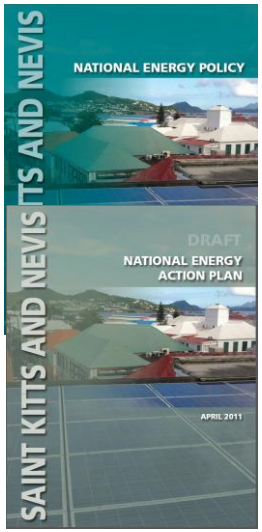
Saint Lucia (NEP 2011)



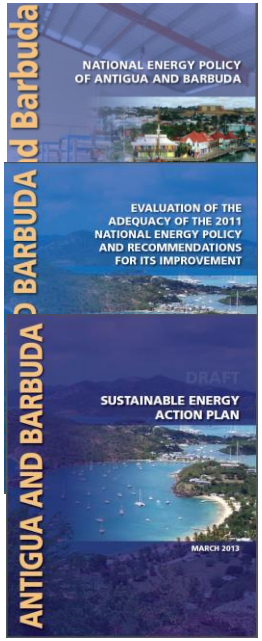
Grenada (NEP 2011)



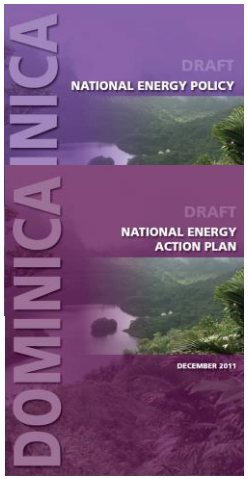
St. Kitts and Nevis (NEP and SEP 2011)



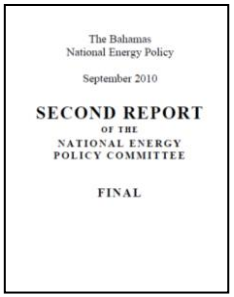
Antigua and Barbuda (NEP 2011, EAP 2013?)



Dominica (NEP/EAP 2013?)



Bahamas (NEP 2013?)



Regulatory Support

Organization of American States

St. Lucia Final stakeholder consultation on Geothermal bill. Oct. 2011.

Saint Lucia

(Final draft Geothermal Resource Develop. Bill 2012)

Grenada

(Final draft Geothermal Resource Develop. Bill 2012)

St. Vincent and the Grenadines

(Final draft Geothermal Resource Develop. Bill 2012)

Demonstration Projects (RE)

Installation of PV systems in Government facilities
(Antigua and Barbuda, Dominican Republic, St Vincent and the Grenadines)

PV System National Energy Commission
(Dominican Republic)
Co-financed by CREDP/GIZ

Demonstration Projects (EE)

Energy audits in office buildings

(Antigua and Barbuda, Dominica, Grenada, St Kitts and Nevis)

Hand-over audit tools in Dominica

Demonstration Projects (EE)

Retrofit Government buildings
(St Lucia and St. Vincent and the Grenadines)

LED Retrofit at the Ministry of Infrastructure, Port Services and Transport in Saint Lucia

Capacity Building

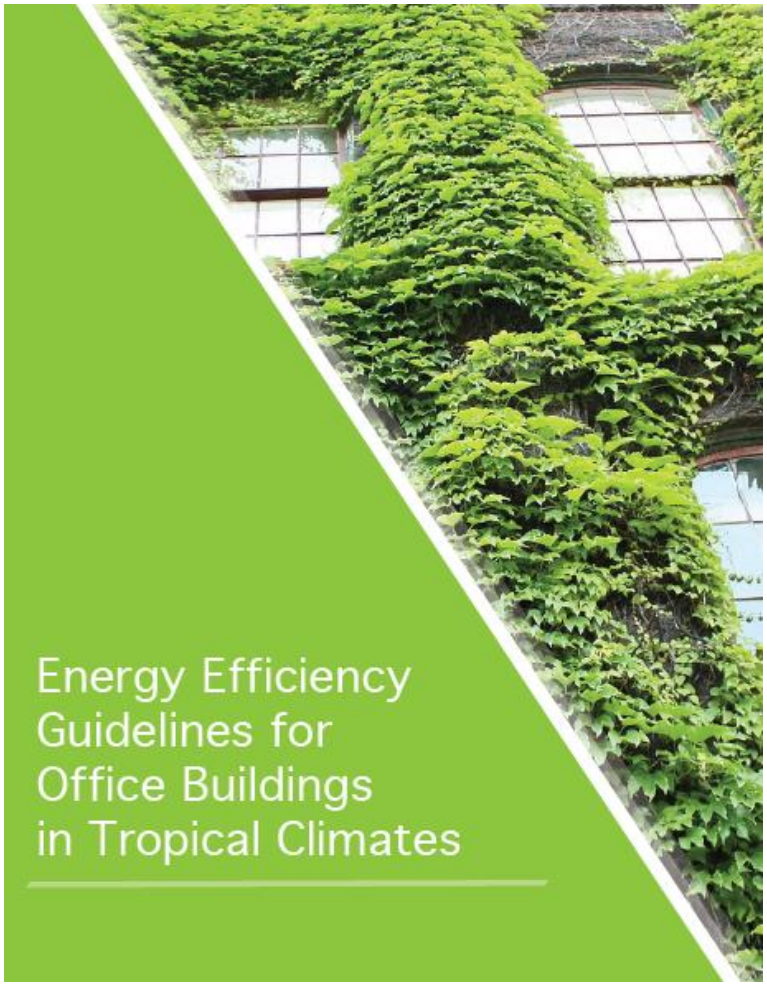
Organization of American States

Public awareness on energy solutions

Capacity Building

Bureau of Standards, architects, engineers

Organization of American States

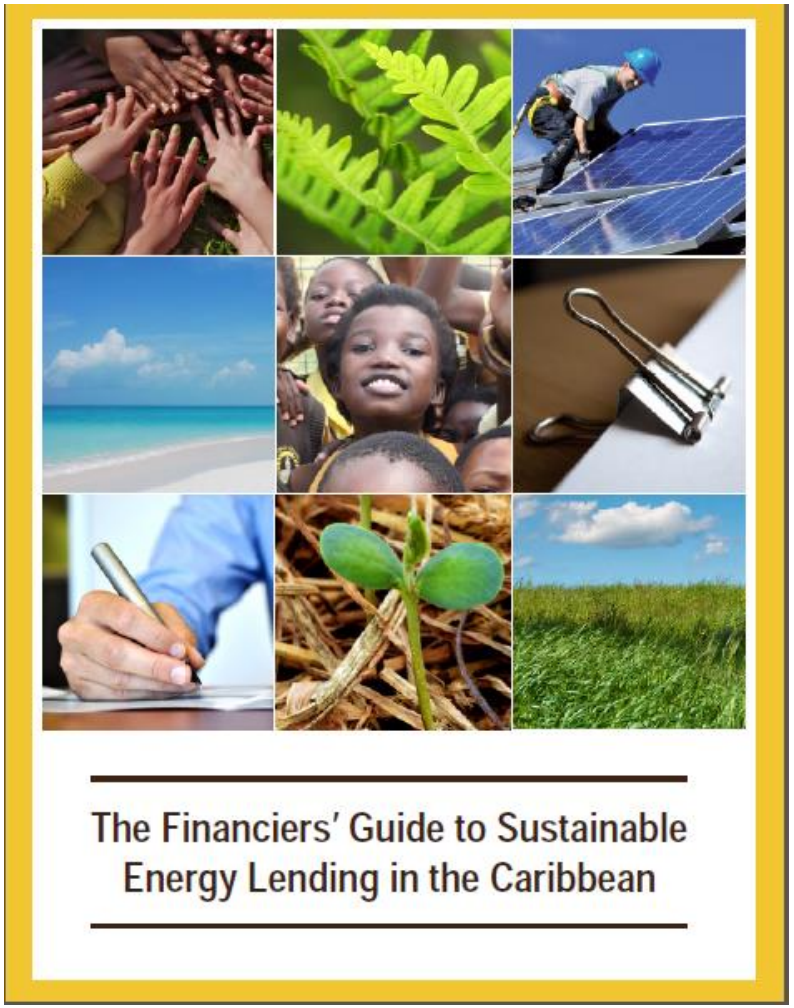


Deliver direction on how to overcome common challenges linked to implementing EE measures and using RE technologies.

Capacity Building

Credit unions, commercial & develop banks)

Organization of American States



Serve as a primer for financial institutions interested in providing capital for sustainable energy projects.

Caribbean Energy Education and Awareness Program

CSEP
Caribbean Sustainable Energy Program

Executed by:

Organization of American States

Financed by:

European Union

Partners:

CARICOM CARILEC reeep renewable energy & energy efficiency partnership

- Builds human and institutional capacity to support sustainable energy projects and programs
- Teachers, students, and the general public.
- ECPA will adapt this program in the Dominican Republic in 2014-2015.

Outcomes

Organization of American States

Caribbean Energy Education and Awareness Programme

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

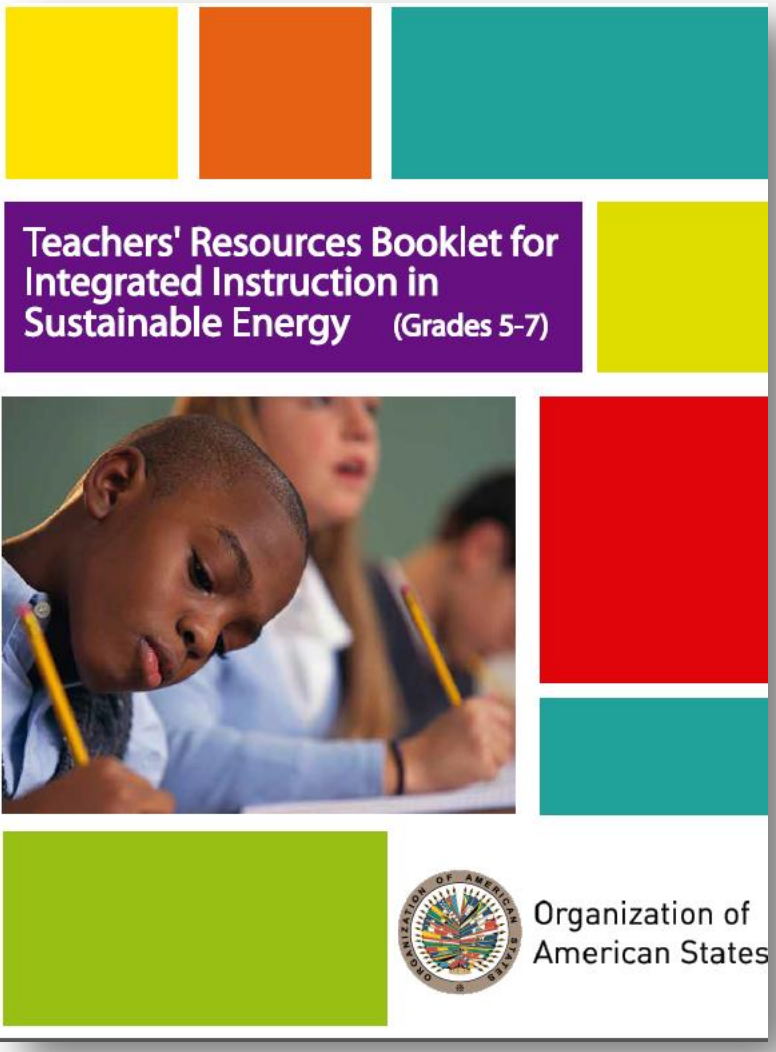
The Caribbean Educator's Guide to Sustainable Energy Education and Awareness

Working together to usher in an era of sustainable economic development in the Caribbean region

Organization of American States

Deliver direction to develop programs to address **myths and misconceptions** about sustainable energy in schools.

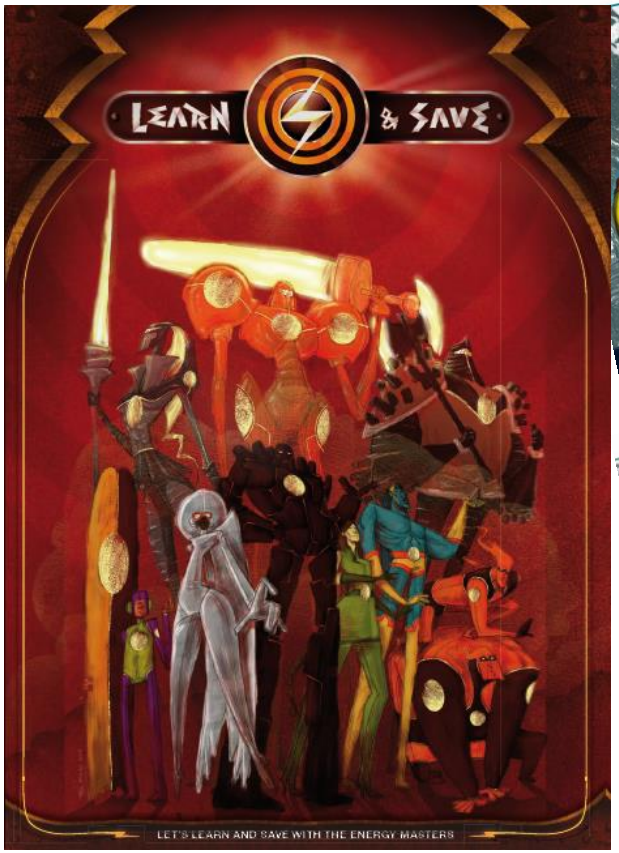
A promising avenue for widespread **social change**!



Deliver direction to educate the **next generation** of scientists, engineers, and decision-makers to make **smarter, more informed choices**

“Learn and Save” Text Book

Organization of American States



“Learn and Save” short video clip

Organization of American States

Students using the Learn and Save Board Game in St. Lucia

Organization of American States

Solar water heaters – Teachers in Bahamas

Wind Turbine – Students in Antigua and Barbuda

Caribbean Energy Education and Awareness Programme

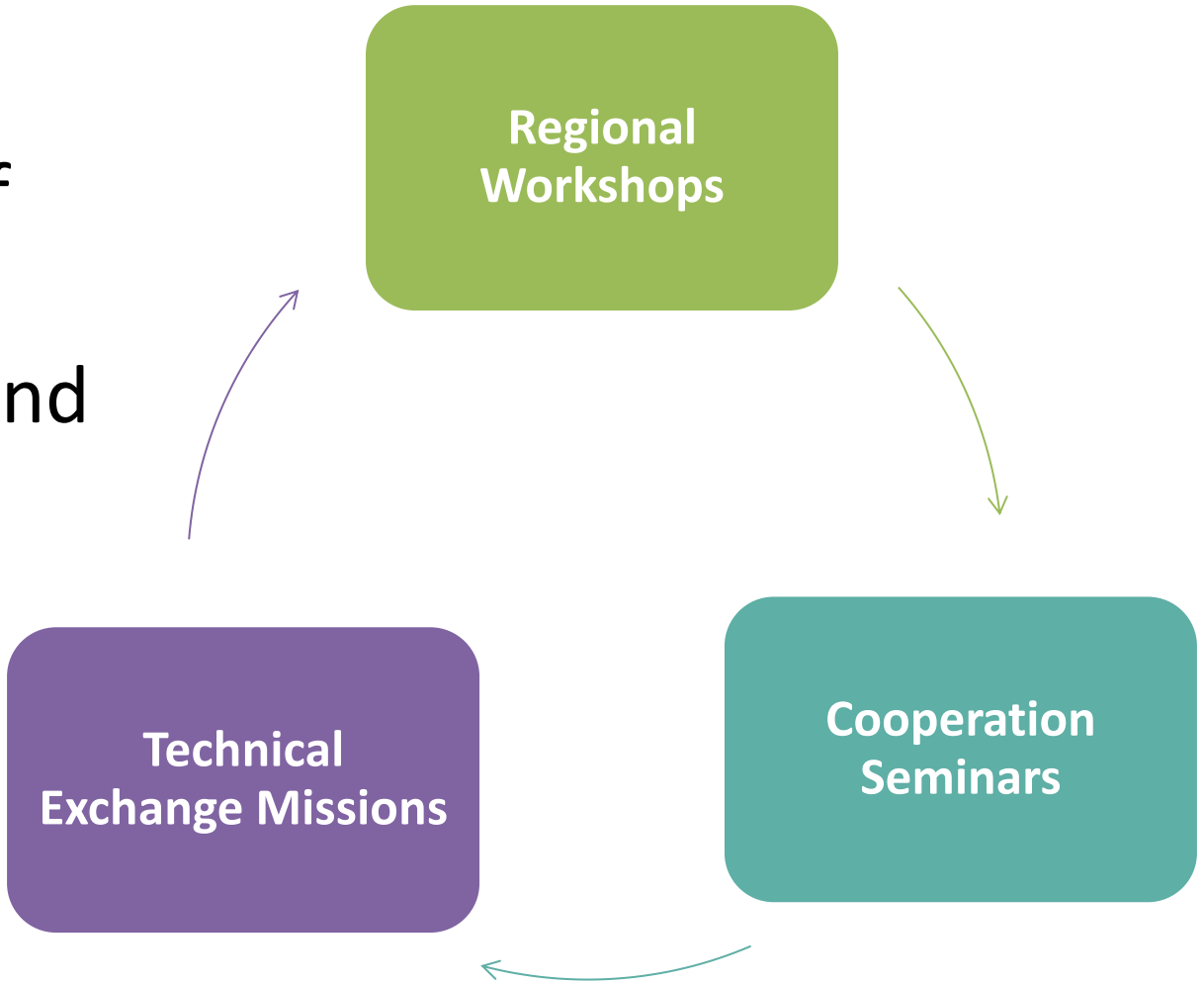
Learn & Save

Kid Wind PROJECT

ECPA Energy Efficiency Working Group

Organization of American States

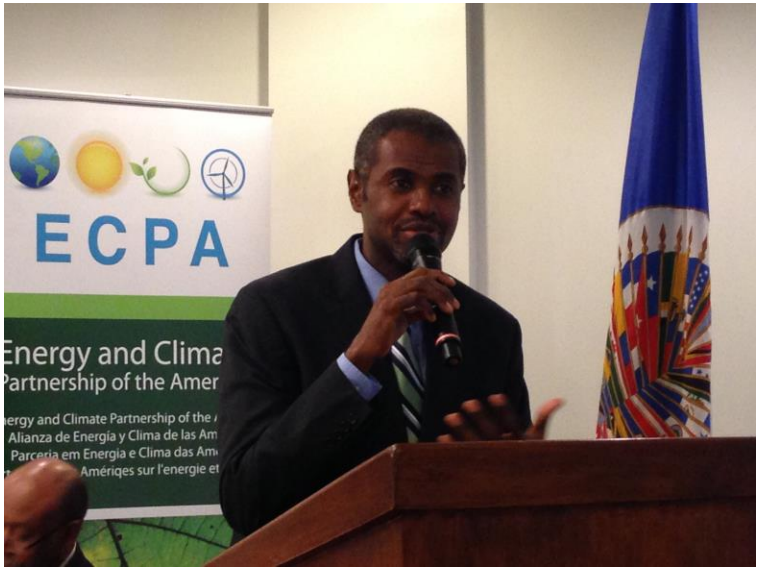
Provide dissemination of best practices in energy efficiency and conservation



Energy and Climate Partnership of the Americas
ECPA

ECPA Energy Efficiency Working Group

Organization of American States



Promoting Energy Efficiency Seminar
June 17-20, 2014 Haiti

Exchange Mission on energy efficiency in the residential sector .May 22-23, 2014. Uruguay

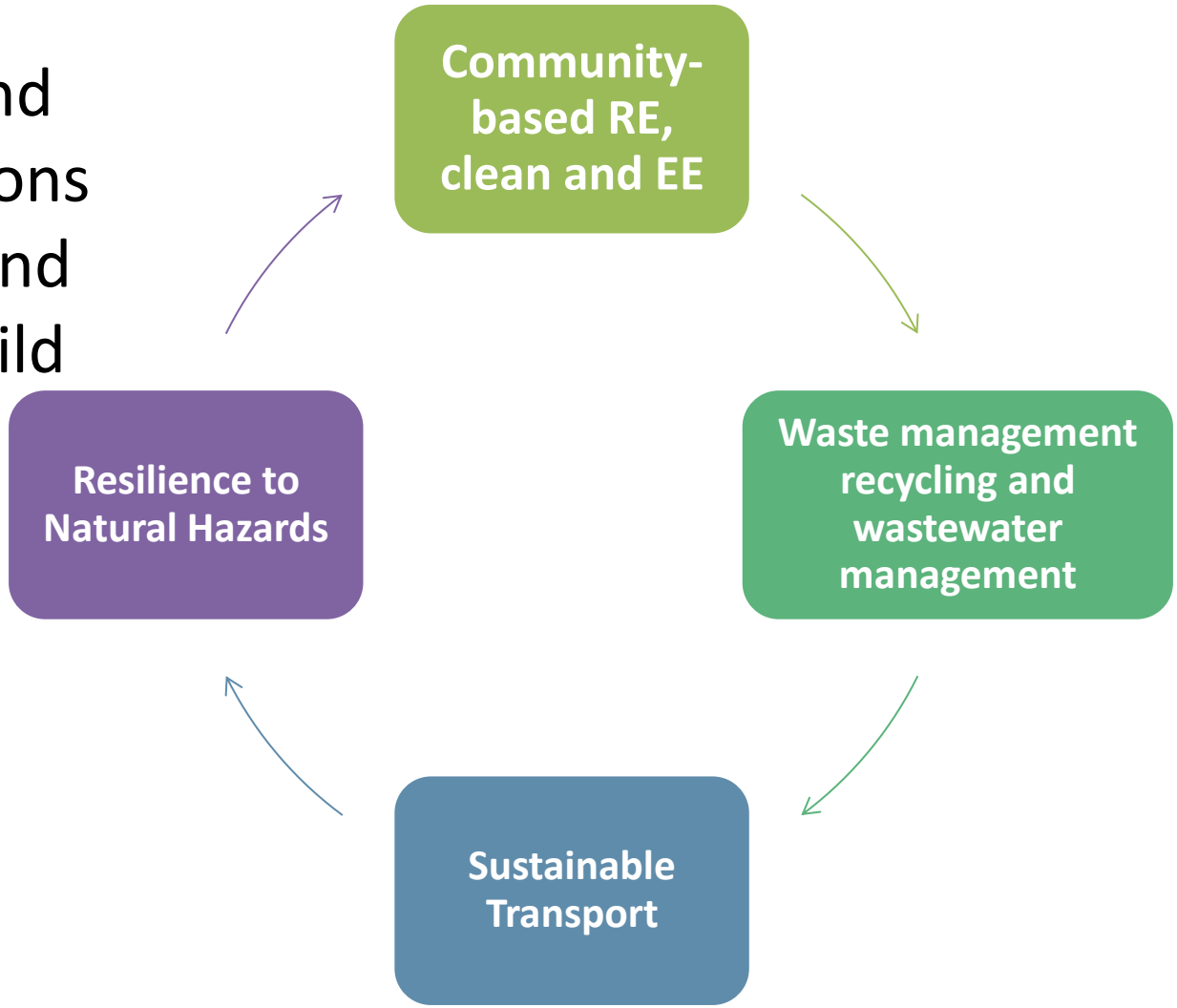
Regional Workshop on EE Designs for Office and Public Buildings
Feb 28-Mar 1, 2013 . Saint Lucia

Seminar on Innovation, Science and Technology for the energy-Efficient Development. May 8-9, 2014. Mexico

ECPA Sustainable Communities In Central America and the Caribbean

Organization of American States

Strengthens the capacity of NGOs and community associations in Central America and the Caribbean to build sustainable communities



ECPA Energy and Climate Partnership of the Americas

ECPA Sustainable Communities In Central America and the Caribbean

Organization of American States

Dominican Republic

San José, Costa Rica

La Salle, Nicaragua

San Salvador, El Salvador

State of the market today…

Organization of American States

- Demonstrated interest among leaders in the Caribbean to use RE/EE…but,
  - Slow development of commercial sustainable energy projects
- Numerous grant/demonstration/pilot projects

Organization of American States

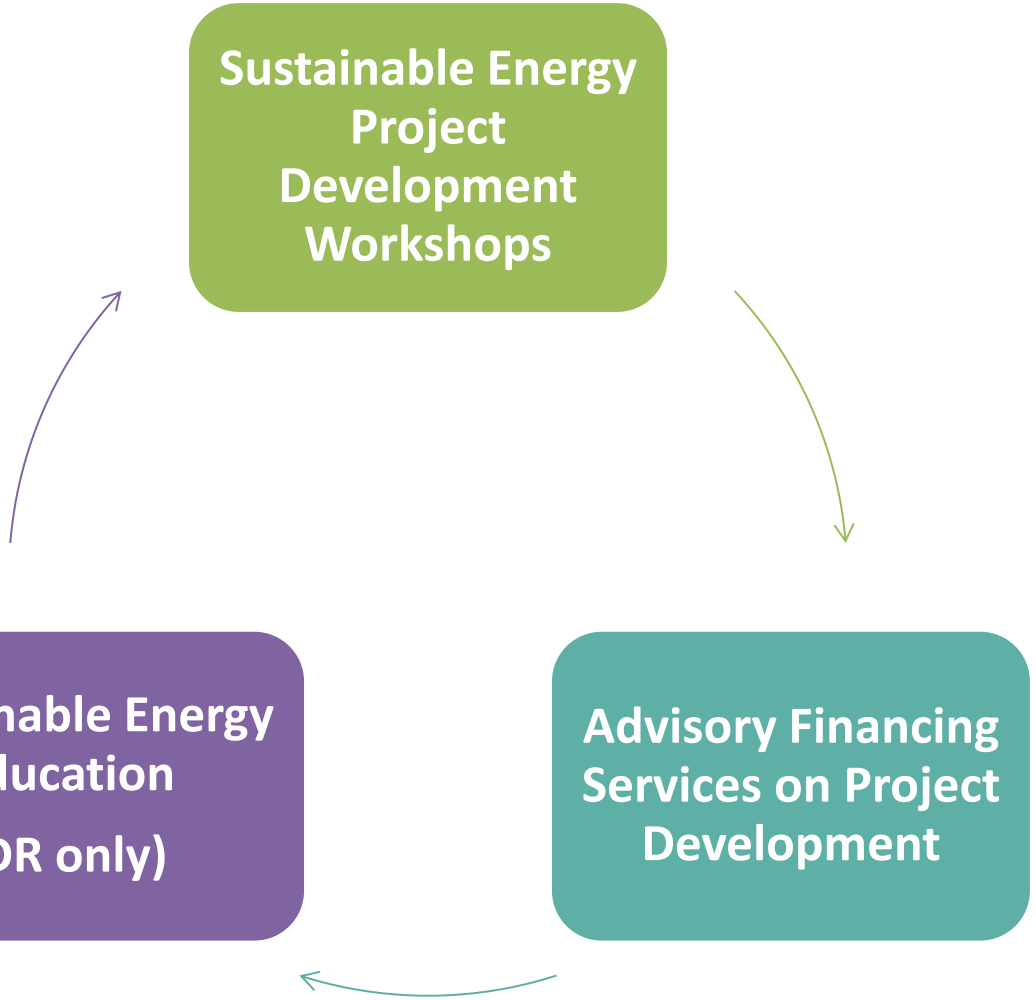
What remaining challenges limit sustainable energy uptake?

- Inadequate Legal & Regulatory frameworks
- Organizational structure of electric utilities
- Weak capacity for developer/technology selection
- Weak capacity for contract negotiation (PPA, construction contract, exploration rights)
- Limited access to cost effective financing (high levels of indebtedness)
- Public opinion/knowledge regarding alternatives remains limited

Sustainable Energy Capacity Building Initiative (SECBI)

Organization of American States

Addresses critical commercialization challenges related to expanding the development and use of sustainable energy alternatives



ECPA Energy and Climate Partnership of the Americas

Sustainable Energy Education

Organization of American States

Review existing energy educational materials	Massive Online Course on sustainable development inclusive of sustainable energy	Tailor existing sustainable energy curriculum/methodology	Develop educational materials	Conduct training seminar for teachers in the Dominican Republic
Nov. 2014	Sep-Dec 2014	Mar – Nov 2015		Sep-Nov 2015

iten

Inter-American Teacher Education Network

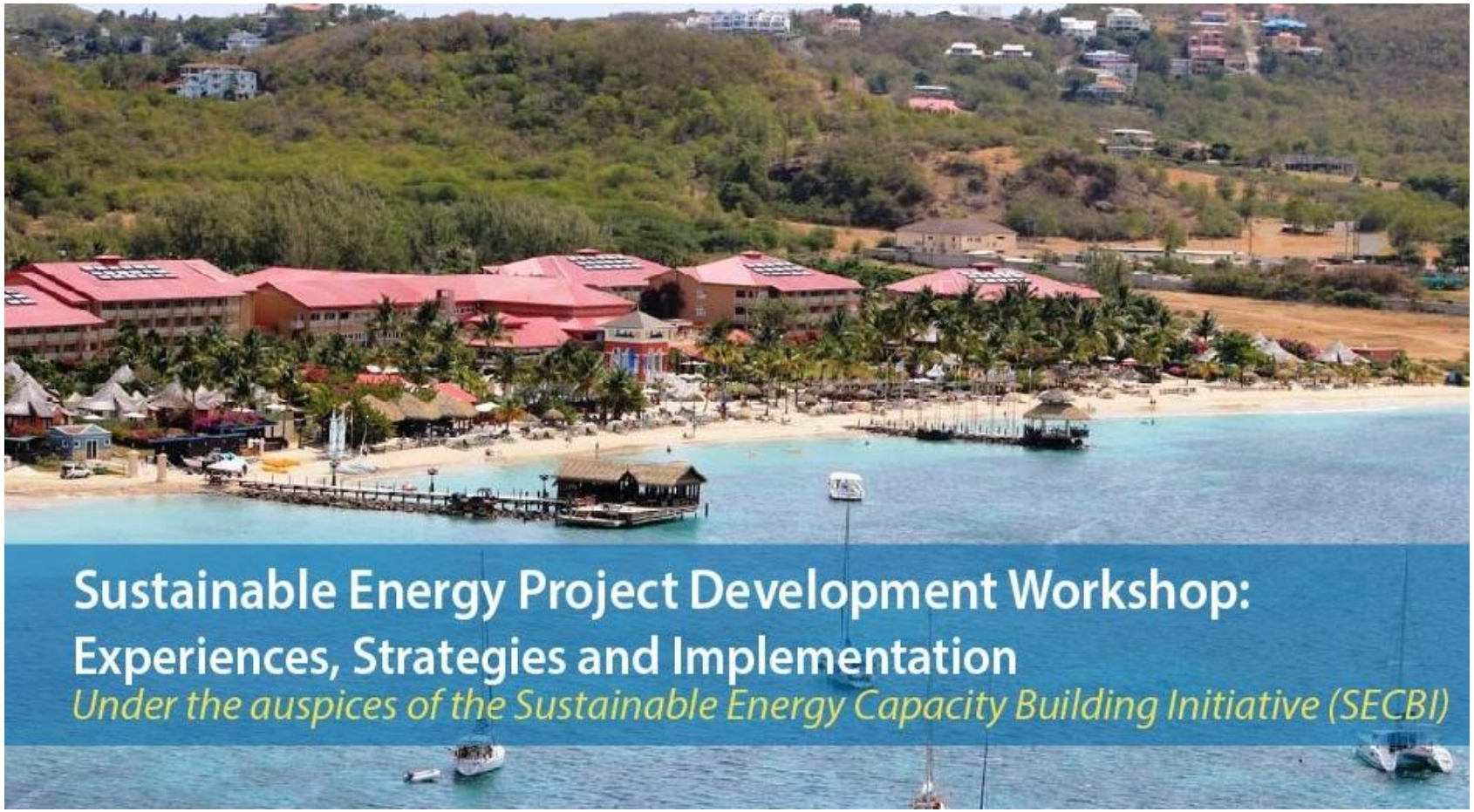
Sustainable Energy Project Development Workshops. Necker and Moskito Islands. Feb 2014

Organization of American States

“Creating Climate Wealth” Summit “10 Island Renewable Challenge”

Sustainable Energy Project Development Workshops. Aug 19, 2014. Saint Lucia.

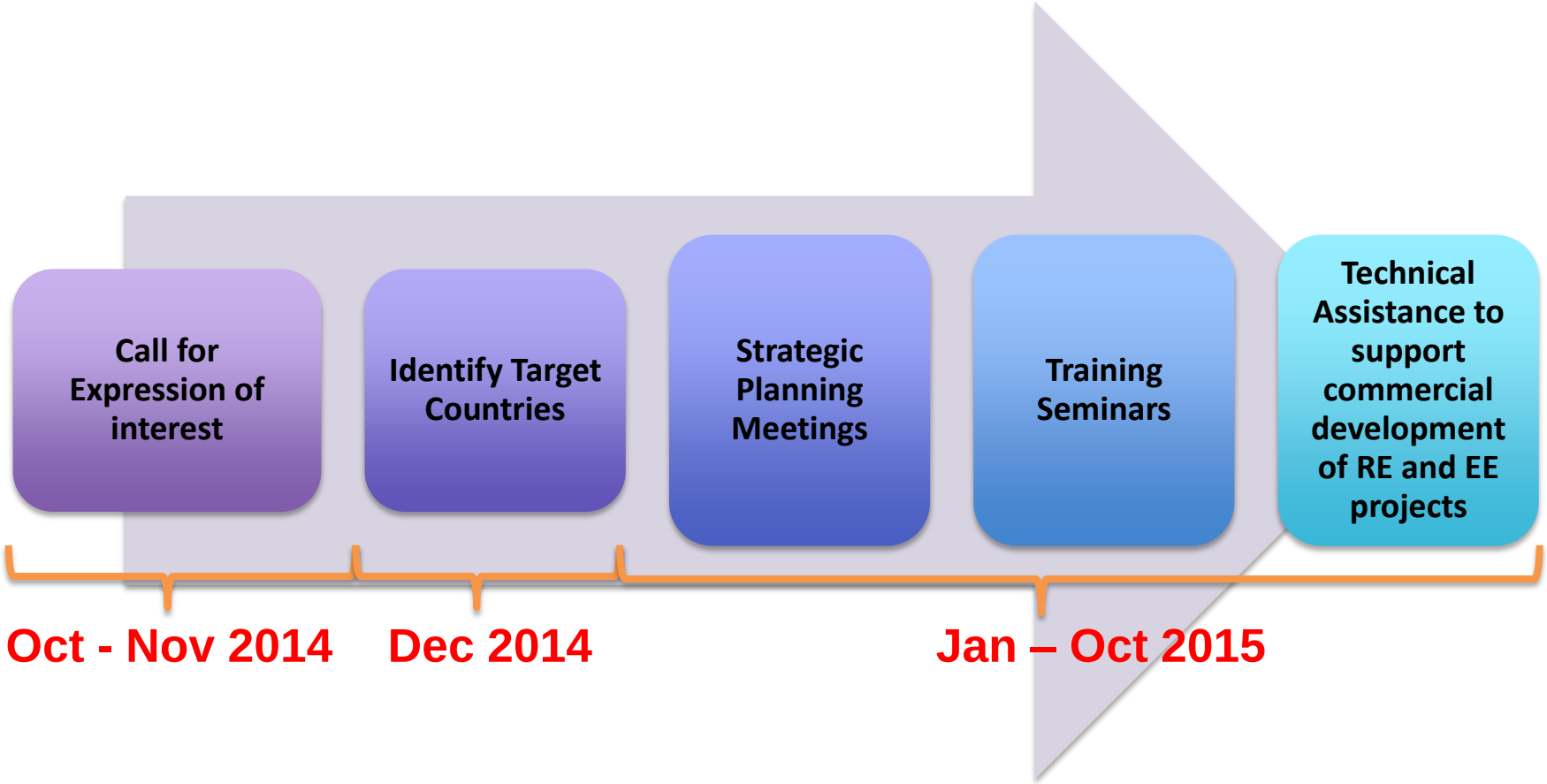
Organization of American States



Advisory Financing Services

Organization of American States

Project Development Capacity Building Support



Advisory Financing Services

Organization of American States

Key themes likely to be included:

Tendering process (preparation of bidding documents, bidders' lists, securing and evaluating technical proposals, procurement studies for commercial and bankable project opportunities).

Project finance assistance (identifying sources of project funding, public-private partnerships);

Contract negotiations (Assist on the negotiations of power purchase agreements);

It’s all about balance, choice, consequence…

Organization of American States

Thank you!

Carolina Peña

Department of Sustainable Development

Organization of American States

T. +1.202.370.4560

F. +1.202.458.3560

cpena@oas.org

www.ecpamericas.org