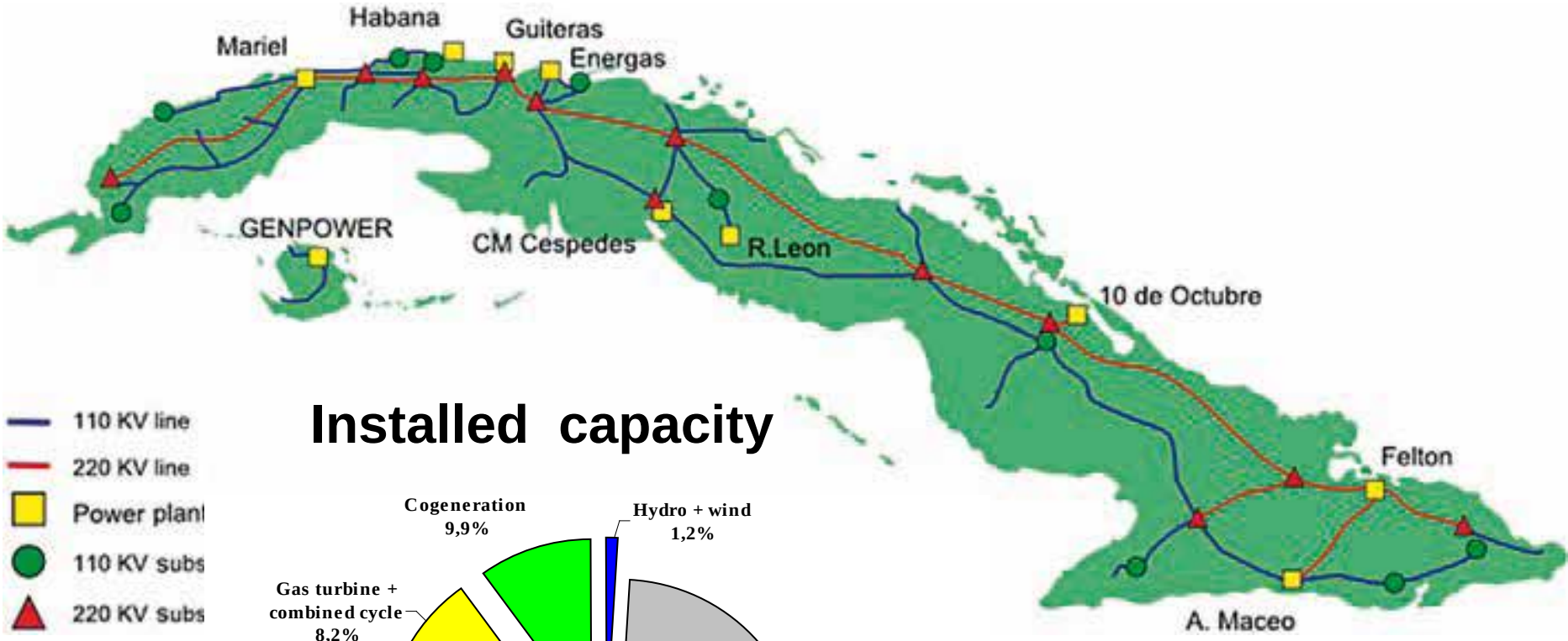
Lesson learned from the DNAs about the national approval procedure and other issues regarding the CDM PoAs

CITMA

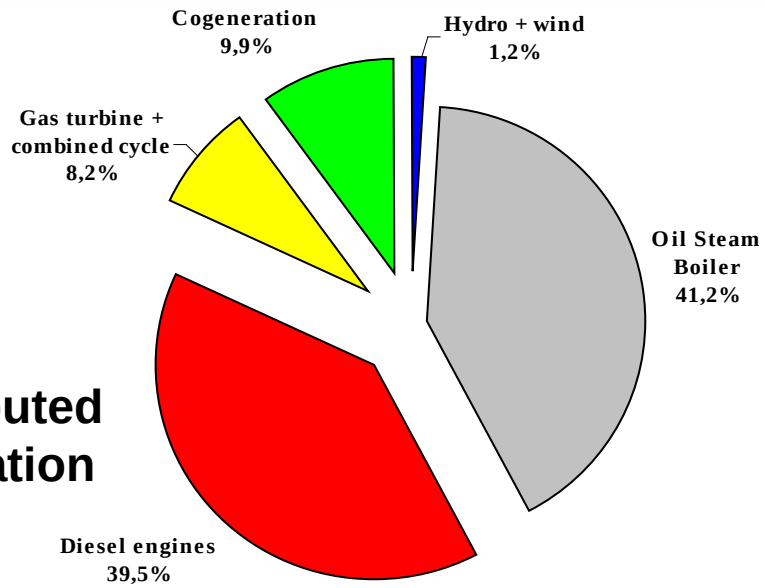
CUBAENERGÍA

UNEP RISØ CENTRE
ENERGY, CLIMATE AND SUSTAINABLE DEVELOPMENT

Cuban interconnected electric system



Installed capacity



Distributed generation

2010

5852.6 MW

17395.5 GWh

Electric system expansion plan: 2040

Candidates under evaluation

- CC
- Diesel engines
- Biomass (bagasse)
- BIGCC
- Wind generators
- PV grid connected

Main national policy related to climate change mitigation

- **New economic and social policy under implementation includes: Develop integrated research to protect, conserve and rehabilitate the environment, prioritize studies (aimed to mitigate and adapt to climate change), studies related to the conservation and efficient-rational use of natural resources (land, water, beaches, forest, atmosphere, biodiversity, environmental education).**

- **National Environmental Strategy has identified as the main environmental problems of the country: land degradation, forest preservation, contamination (atmospheric, water, etc.), lost of biological diversity, desertification and water supply.**

Main national policy related to climate change mitigation

The Cuban environmental policy is implemented by:

- **The National Environmental Strategy,**
- **National Program of environment**
- **Technical norms of environmental protection,**
- **Environmental classification,**
- **Environmental license,**
- **Assessment of environmental impact,**
- **System of environmental information,**
- **System of environmental inspection,**
- **Environmental education programmes,**
- **Research and technology innovation,**
- **Economic legislation,**
- **National environment Fund,**
- **Institutional and civil procedures, penal responsibility,**
- **etc.**

Cuban authorities

Agreement No.4604 of the Executive Committee of the Council of Ministers (CECM) in November 20, 2002 designated Ministry of Sciences, Technology and Environment (CITMA) would be the authority responsible to address and implement the CDM (Designated National Authority, DNA).

CITMA has established by Resolution No.76/2003 the regulation for the implementation of CDM projects.

In 2009 CECM revised the CDM implementation process in the country. As a result the technical group (OTMDL) in CUBAENERGIA was established with the mandate of accelerate the CDM implementation in the country.

Cuban authorities

The OTMDL has the following functions:

- Promotion, diffusion, training, and support to project developers for the elaboration of the CDM project,
- Coordinate the processes of generation of new CDM projects, its evaluation and its submission for national approval,
- Propose to the DNA the approaches and mechanisms for the evaluation and approval of the CDM project activities,
- Elaborate specific procedures of submission, evaluation, national approval, national registry and project implementation,
- Identify financing sources for CDM projects and coordinate with the potential CDM buyers and project developers the corresponding arrangements,
- To maintain updated the CDM country portfolio of registered, approved and projects in implementation.

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Establishment of procedures to be followed, identification of sectors, potential PoAs and activities to be developed.

Identification of National Development Priorities for programs to be established

- To reduce atmospheric contamination,
- To reduce environmental impact of agricultural and forest residues,
- To reduce the land degradation,
- To improve and increase the land conservation,
- To reduce the climate change vulnerability and risk to extreme weather events of the Cuban population,
- To improve the lifestyle of Cuban society,
- To improve the access to employment of the Cuban woman,
- To increase the energy security,

Identification of National Development Priorities for programs establishment

- To increase the energy efficiency and use of renewable energy sources,
- To increase the food security and the agricultural production,
- To modernize and diversify the technologies in the agribusiness,
- To increase the local development in communities.

National programs that can be converted in PoAs or other mitigations actions

- **Agricultural sector**

WHY and HOW?

Energy sector

National programs that can be converted in PoAs or other mitigations actions

Energy sector was responsible in 2004:

For 71% of Cuban gross emissions (excluding changes in the land use)

Electricity generation was responsible in 2004:

For 48 % of emissions of the energy sector

Agriculture sector was responsible in 2004

For 19% of Cuban gross emissions

Example of criteria used to select sectors for TNA

No	Criteria	Description	Type	Max/Min
1	Contribution to GHG emissions	Ton CO_2 of GHG emissions	Quantitative, ton $CO_{2\text{-eq}}$	Max
2	Economic relevance	Contribution to GDP	Qualitative	Max
3	Social relevance	Social contribution/jobs creation	Qualitative	Max
4	Technology barrier	Restrictions in the access to the technology	Qualitative	Min
5	Capacity of implementation	Technical and regulatory capacity of the sector	Qualitative	Max
6	Existence of previous assessment	Availability of previous assessment	Qualitative	Max

Multicriteria assessment was performed to prioritize the sectors and technologies.

Main difficulties in this process

Ø Project developers used different methodologies to those approved for specific CDM sectors,

Ø Difficulties to access to internet and to have a good internet speed connection,

Ø CDM Project lifecycle is complicated due to its bureaucratic procedures and its high costs.

Suggestions

- It is essential to have the participation of high level sectoral decision makers in the initial workshop, which aims the identification of PoAs and its CPAs,
- To have the decision makers and appropriate technicians in the National Steering Committee for the approval of PIN PoA,
- The DNA need to be present in all phases of the approval process until the approval letter has been issued,
- Identify all the possible participants in the PIN-PoA to incorporate them in the elaboration and design of PoA.



















Thanks