



CARBON TRADING

A Caribbean Tale



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The Caribbean is one big family!



Sometimes we fight



Make up...



You know how family is?



One day a witch gave them **A magical umbrella**

**Underneath it they
slept like Rip van
Winkle.**

The End



Kyoto Protocol



Kyoto Protocol

Was drafted and established in 1997 as a carbon emission sales instrument to drive renewable energy development, design and usage.



Kyoto Protocol



37 Countries (Annex 1 Countries) are to reduce carbon emissions to 1990 levels

Annex 1 countries represent 55% of total 1990 emissions worldwide

→ [Australia](#), [Austria](#), [Belarus](#), [Belgium](#), [Bulgaria](#), [Canada](#), [Croatia](#), [Czech Republic](#), [Denmark](#), [Estonia](#), [Finland](#), [France](#), [Germany](#), [Greece](#), [Hungary](#), [Iceland](#), [Ireland](#), [Italy](#), [Japan](#), [Latvia](#), [Liechtenstein](#), [Lithuania](#), [Luxembourg](#), [Monaco](#), [Netherlands](#), [New Zealand](#), [Norway](#), [Poland](#), [Portugal](#), [Romania](#), [Russian Federation](#), [Slovakia](#), [Slovenia](#), [Spain](#), [Sweden](#), [Switzerland](#), [Turkey](#), [Ukraine](#), [United Kingdom](#), [United States of America](#)

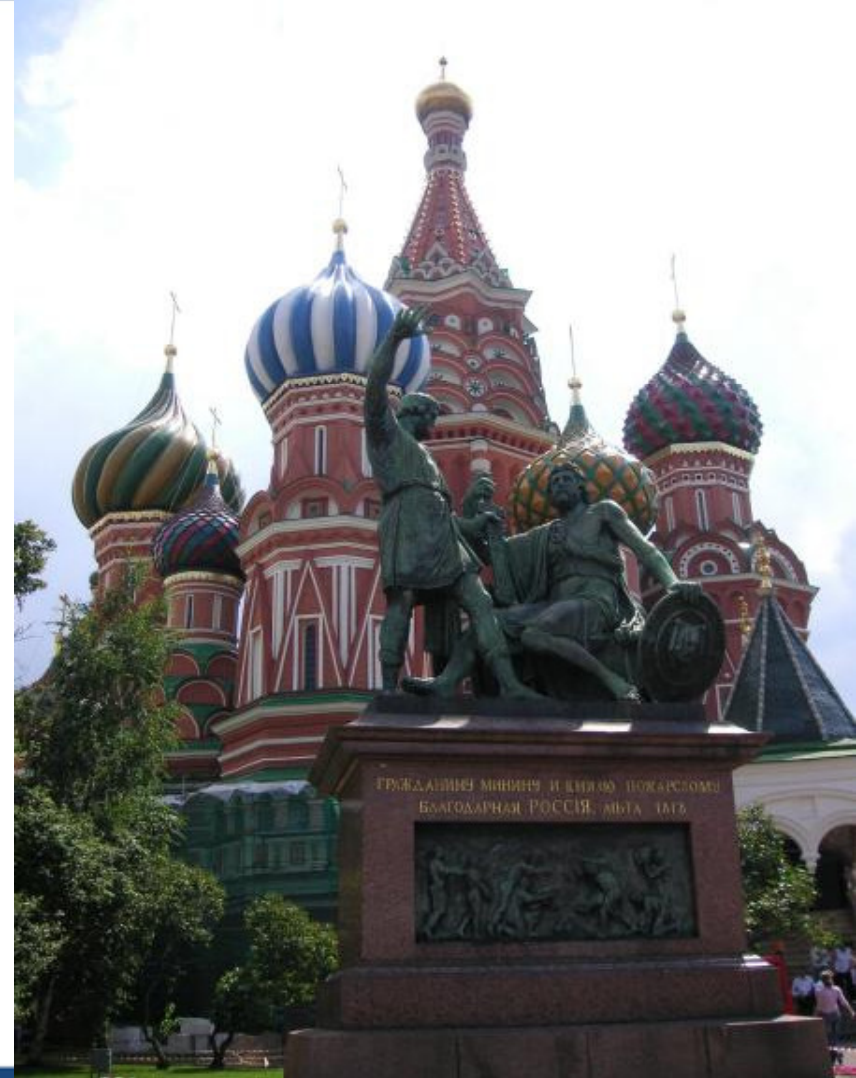
187 Countries are signatories of the treaty as of 2009.

Kyoto Flexible Mechanisms



Joint Implementation

Projects for this facility take place in Annex 1 nations. Russia is the predominant country using this facility.



Kyoto Flexible Mechanisms



International Emissions Trading

The establishment of a Carbon Exchange. There are currently the European Union Emissions Trading Scheme – which is the largest

Voluntary Trading Scheme-Chicago Climate Exchange



European Parliament Building, Brussels

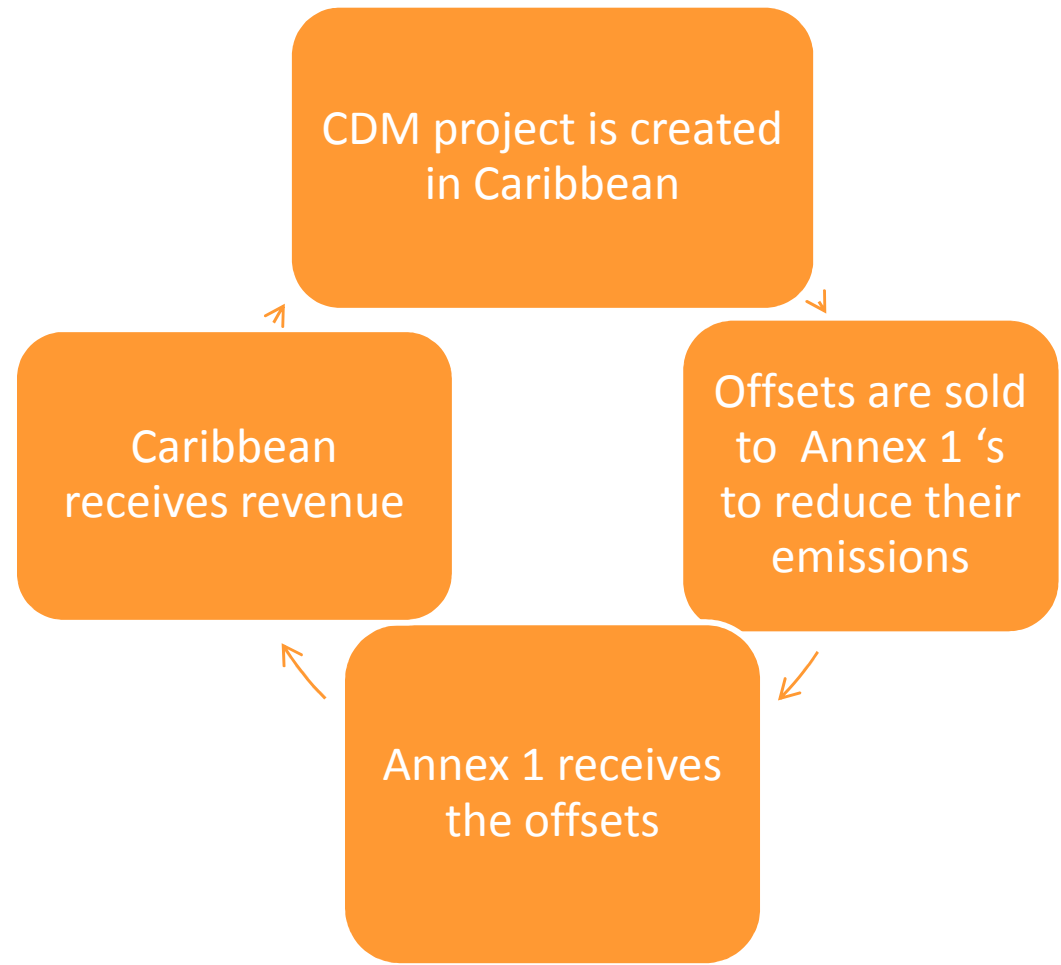


Kyoto Flexible Mechanisms



Clean Development Mechanism

Stipulates that developing nations can create offsets and sell them to Annex 1 countries. To assist them in meeting their targets. Clean technologies are created in the Caribbean that maintain our environmental integrity.



Benefits of CDM



Clean technologies created in developing countries

Transfer of technical know how to developing countries

Creation of technically able work force in these areas

Sustainable future

Additional revenue created



Major CDM Players

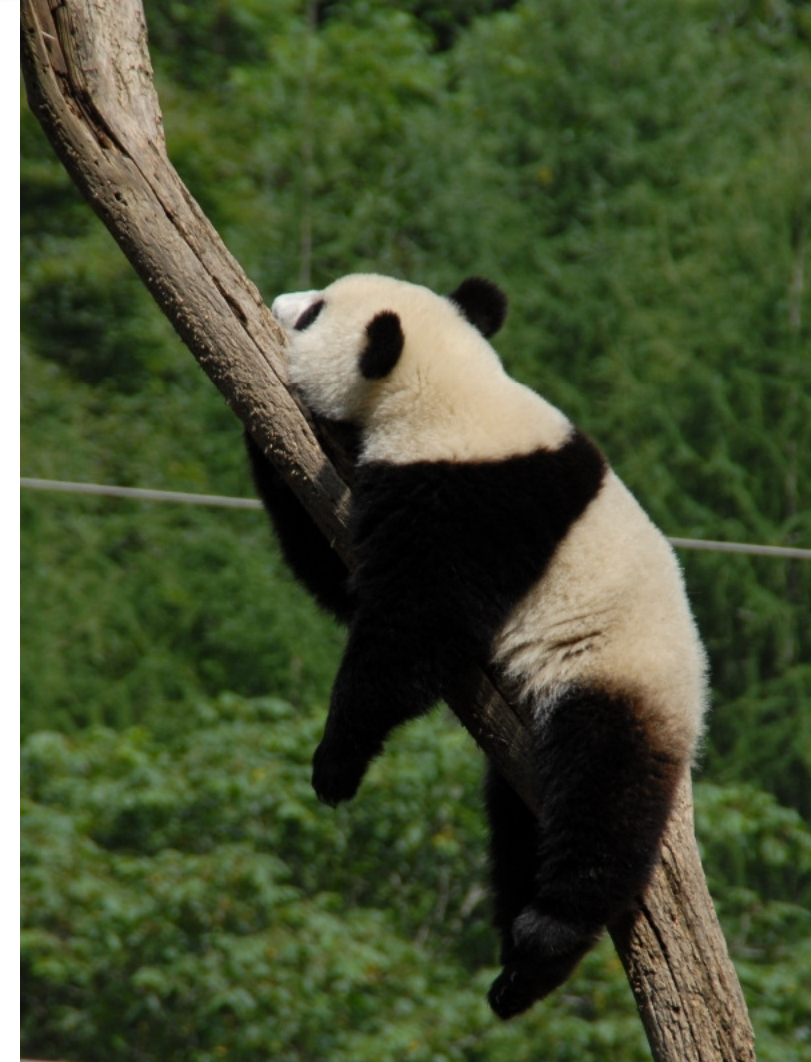


China

Largest source for carbon credits in the world at 90.6 million tonnes CO₂

54% global CER supply

Projects hydro power, wind energy, energy efficiency



Major CDM Players



India

25% total projects

Developing wind energy, biomass, cogeneration projects



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Major Players



Brazil

9% market share

1st country to have a CDM project

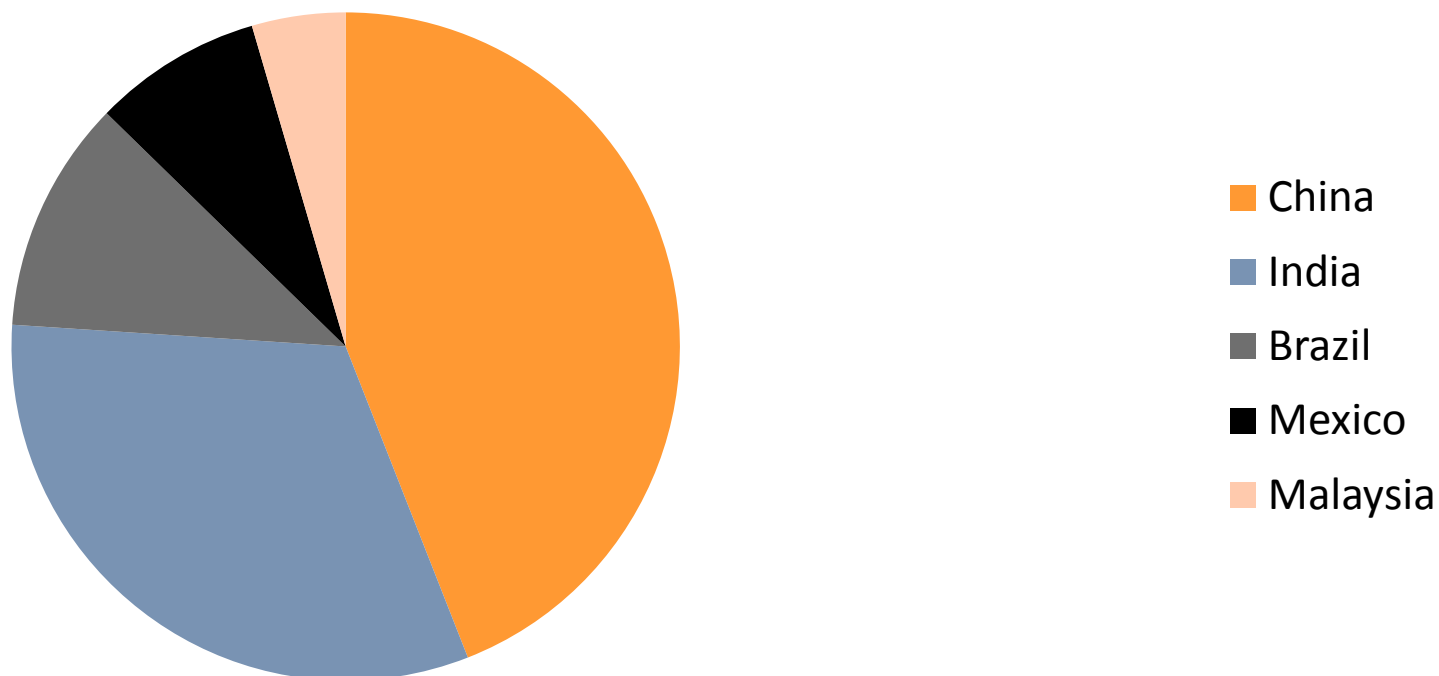
Biomass projects



Major Players CDM



**Top Global CDM Project Developers
% CERs generated in 2009**



CDM Potential Muscle



In total 1.67 billion CERs

1899 projects between
2009-2012

At USD10 per tonne CO₂
16.7 billion

At USD 20 33.5 billion



Deterrents to Project Creation



Size

All of the emissions together total less than 0.4% of the total CO₂ emissions worldwide

Upfront costs

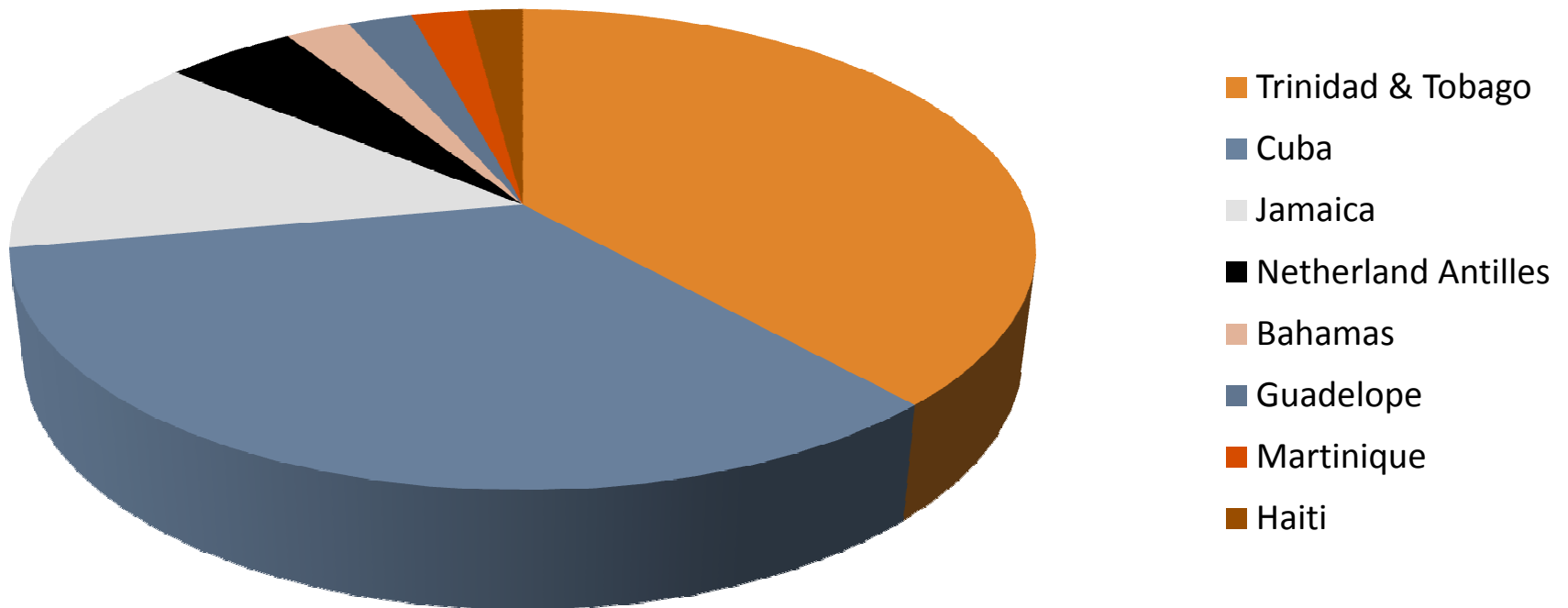
Complex methodologies



Caribbean Carbon Emissions

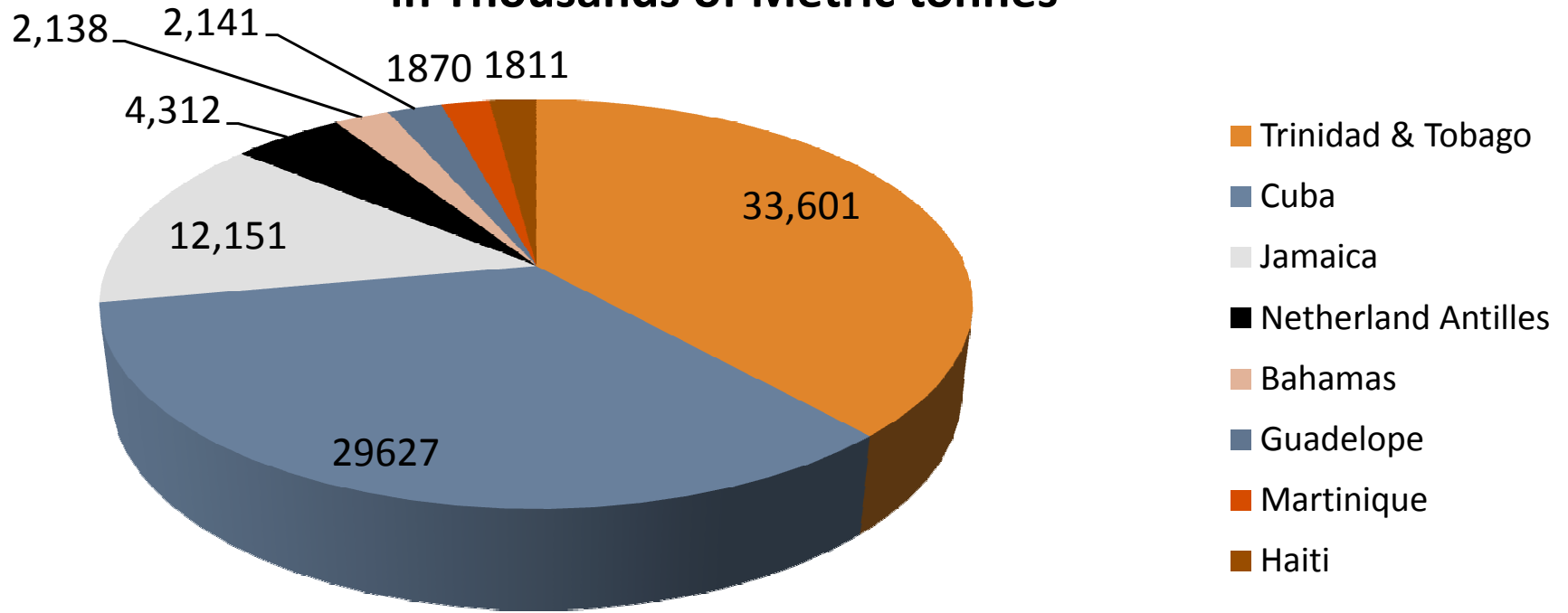


**Top Caribbean Annual CO₂ Emissions
in Thousands of Metric tonnes**





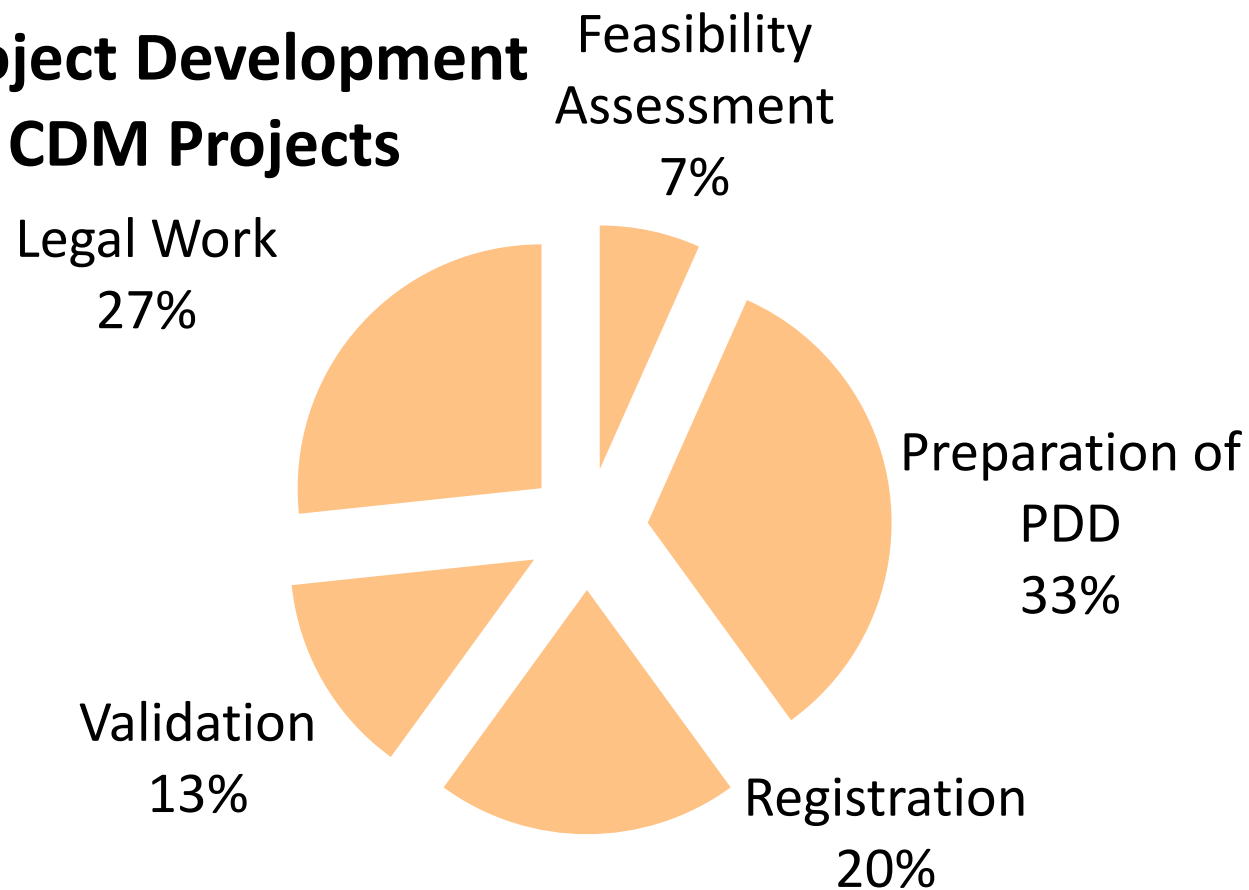
Top Caribbean Annual CO₂ Emissions in Thousands of Metric tonnes



Deterrents to Project Creation



Minimum Project Development Costs for CDM Projects



Seasoned Regional Players



Wigton Wind Farm

20.7 MW

Twenty three
900 KW turbines

525,400 tonnes
CO₂



Seasoned Regional Players



Ecological Technologies

First to sell Carbon offsets in the Caribbean

Small scale project development

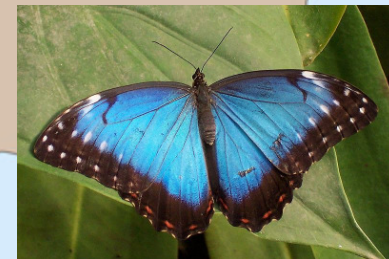
55,000 tonnes CO₂



Caribbean Projects in the Pipe



Trinidad and Tobago – World Bank Project Restoration of the Nariva Wetlands

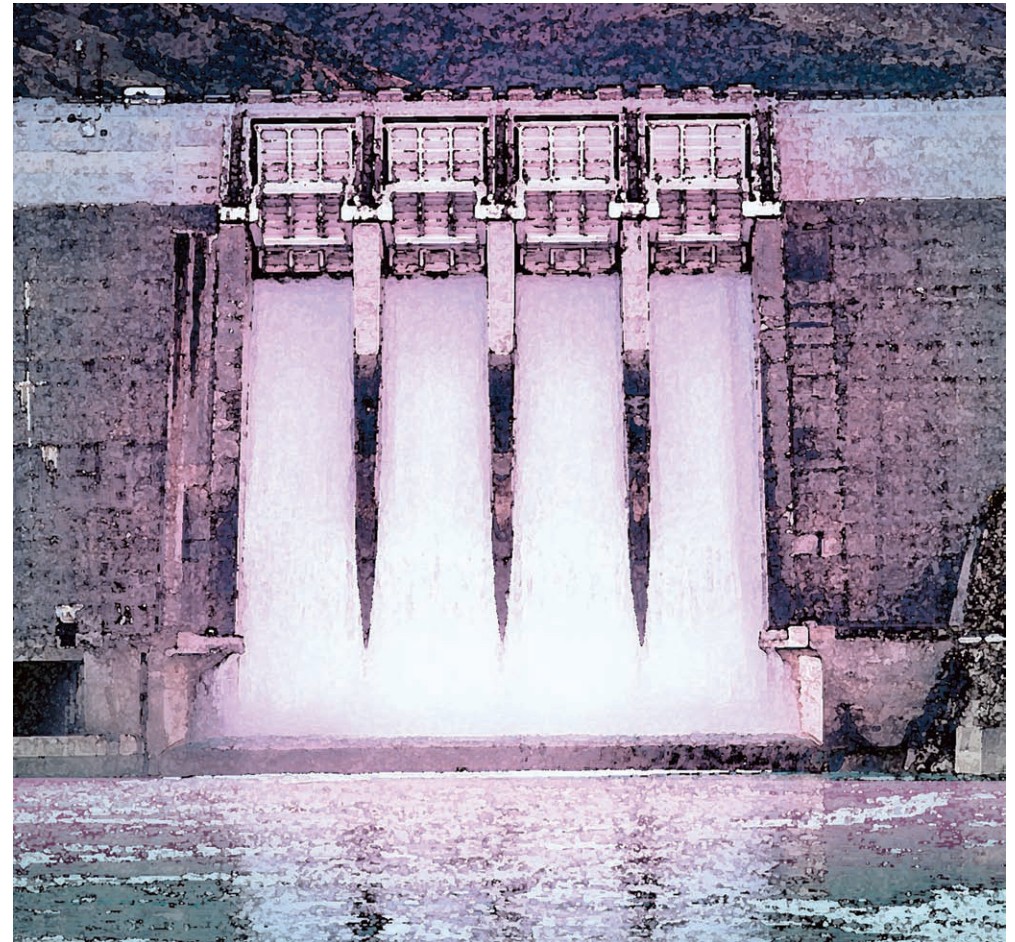


Additional Project Development



Guyana Hydro Electric Dam

Turtruba Hydropower project
800 Mega Watt development
in the middle of the
Mazaruni River



Additional Project Development



Afforestation/
Reforestation
Energy efficiency
Hydro electricity
Solar power



Caribbean Sustainability



Clean Technologies



Energy Efficiency



Achievable



**Caribbean
that is
clean
and
green...**

Achievable

Driving core industries such as tourism...



Achievable



Agri



Culture



Sustainability is Achievable



Thank you !



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