

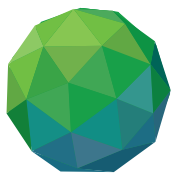


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# **Sectoral Breakout Session: Increasing Renewable Energy in the Caribbean**

GCF Structured Dialogue with the Caribbean  
Belize | June 2017

Sergio Pombo – GCF Private Sector Facility  
Jennifer DeCesaro – International Renewable Energy Agency

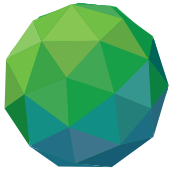


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# Setting the Scene: SIDS and Climate Change



- While absolute amounts are small, SIDS rank among the top GHG emitters on a per capita basis
- Significant factor for many is the carbon intensity of the energy system – specifically the electricity generation and transportation sectors
- Yet all have abundant renewable energy potential that can be developed



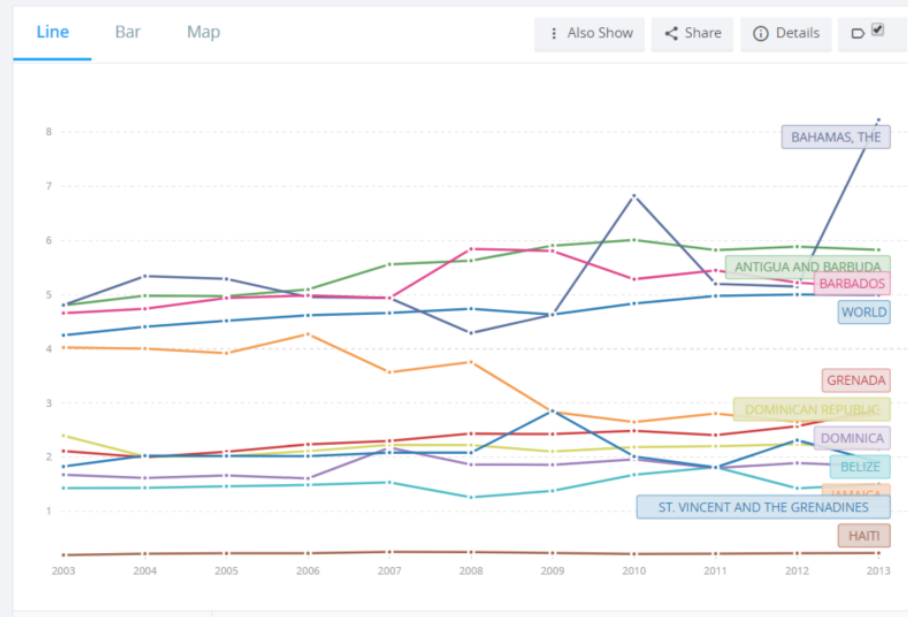
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# A closer look...

## CO2 emissions (metric tons per capita)

Carbon Dioxide Information Analysis Center, Environmental Sciences Division, Oak Ridge National Laboratory, Tennessee, United States.

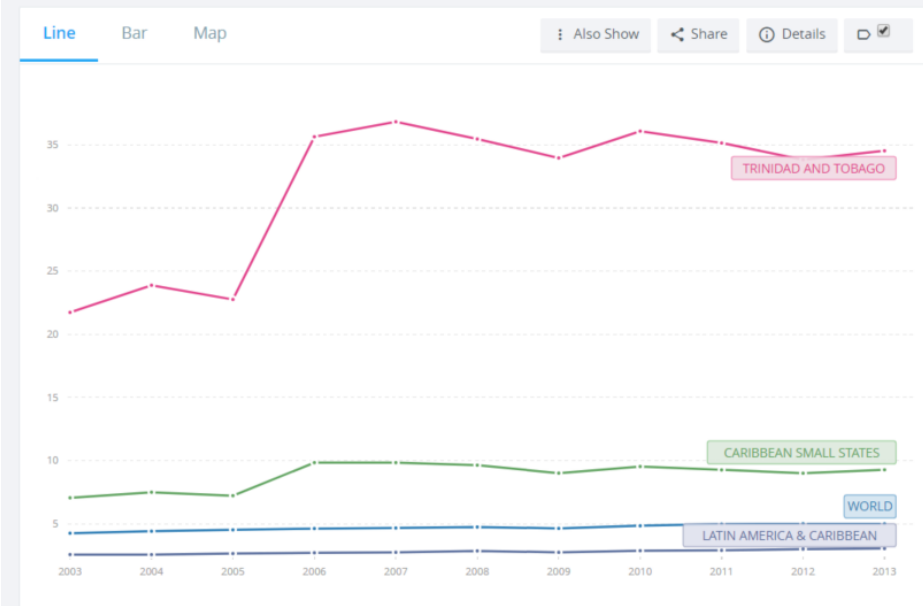
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## CO2 emissions (metric tons per capita)

Carbon Dioxide Information Analysis Center, Environmental Sciences Division, Oak Ridge National Laboratory, Tennessee, United States.

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# Opportunities

For SIDS, opportunities far outweigh the challenges in realizing the ambitious RE targets set forth in their NDCs.

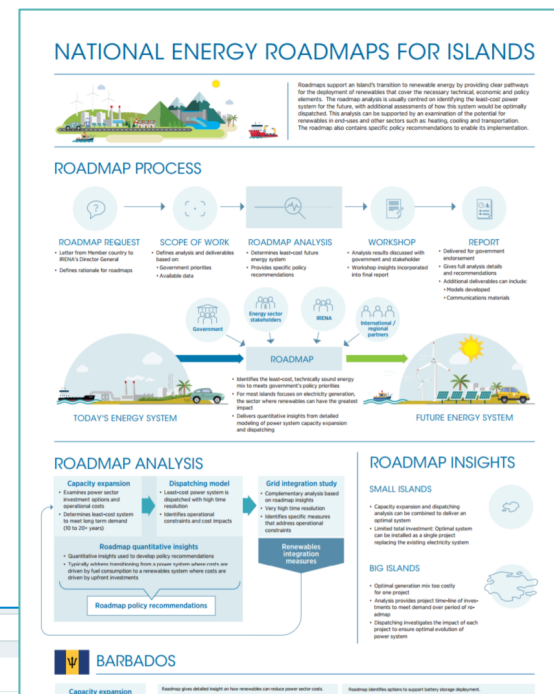
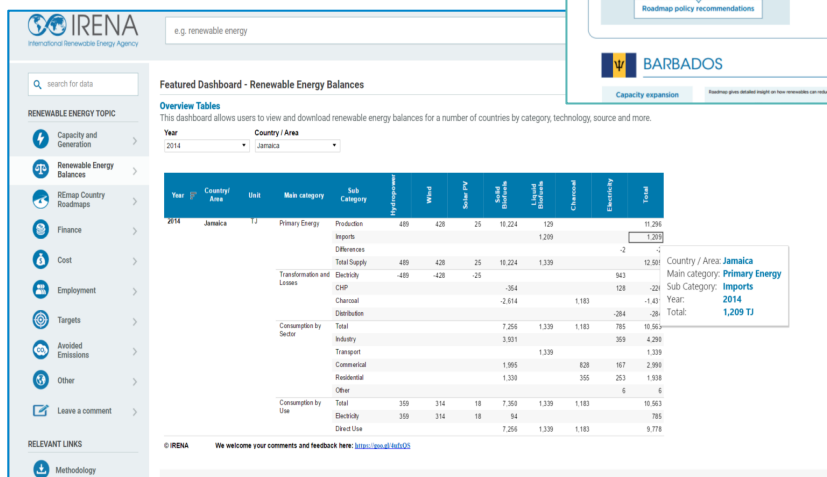
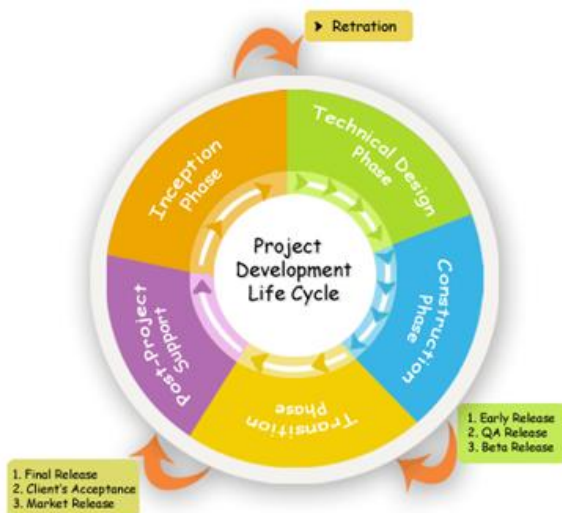
COUNTRY	MW	Un-conditional (MW)	Conditional (MW)	USD million	Un-conditional (USD million)	Conditional (USD million)
Antigua and Barbuda	50	0	50	119	0	119
Bahamas	390	390	0	1075	1075	0
Barbados	170	0	170	464	0	464
Dominica	16	0	16	91	0	91
Grenada	27	0	27	105	0	105
Haiti	198	38	160	630	133	497
Jamaica	629	629	0	1585	1585	0
Saint Vincent and the Grenadines	15	15	0	81	81	0
<b>Total</b>	<b>1495</b>	<b>1072</b>	<b>423</b>	<b>4150</b>	<b>2874</b>	<b>1276</b>

1. Ambitious renewable energy NDCs and national level targets
2. Countries own the energy transition process and can drive the deployment roadmap and investment
3. Strong interest from private sector that needs to be unlocked – What are the keys?
4. Ratchet-up regional efforts to develop support mechanisms such as public/private partnerships, private equity funds, revolving loan programs, risk mitigation instruments, etc.



SIDS are making significant strides towards transitioning to renewable energy, but for most, the journey has just started.

1. Absence of a comprehensive energy transition plan or roadmap
2. Lack of data
3. Scale or bundling/aggregating to achieve scale
4. Project development capacity
5. Tension between national versus regional solutions





# Closing the Gap: The Path to 2030 and Beyond

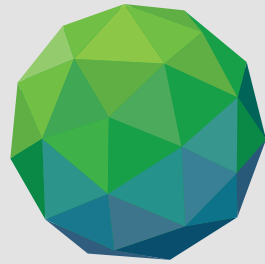


SIDS are making significant strides towards the renewable energy transition, but there is still plenty of work ahead.

1. Where are we in meeting our renewable energy targets?
2. What have been some significant successes to date?
3. What are the key challenges to address?
4. What is the role of climate financing in this transition?







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