

# World Bank and Inter-American Development Bank Environmental Opportunities in the Caribbean

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# Presentation Outline

- \* Introduction to the World Bank
  - \* *Presence in the Caribbean*
  - \* *Environmental Focus*
- \* Introduction to the Inter-American Development Bank
  - \* *Presence in the Caribbean*
  - \* *Environmental Focus*
- \* Projects in Execution
- \* Projects in the Pipeline

# The World Bank Group



THE WORLD BANK  
Working for a World Free of Poverty

- \* In FY 2013, WB commitments totaled US\$ 49.8 billion
- \* This generates roughly 40,000 contracts
- \* Over 100 country offices, with approximately 10,000 staff
- \* Canada has 3% of voting shares at the World Bank
- \* Consists of 5 distinct agencies:
  - \* International Bank for Reconstruction and Development, 1944
  - \* International Development Association, 1960
  - \* International Finance Corporation, 1956
  - \* Multilateral Investment Guarantee Agency, 1988
  - \* International Center for the Settlement of Investment Disputes, 1966

# World Bank in the Caribbean

- \* The World Bank provides funding within the Caribbean region to:
  - \* Haiti
  - \* Jamaica
  - \* Dominican Republic
  - \* Belize
  - \* Guyana
  - \* Suriname
  - \* Organization of Eastern States (OECS) countries of Dominica, Grenada, St. Lucia, St. Vincent and the Grenadines, St. Kitts and Antigua and Barbuda \*
  - \* Trinidad and Tobago\*
  
- \* The World Bank's current project portfolio in CARICOM countries consists of 45 operations totalling \$733.7 million
  
- \* The IFC has also invested approximately \$150 million in the region since 2008.

# World Bank in the Caribbean Continued

- \* Funding is provided through various regional mechanisms:
  - \* Caribbean Development Bank
  - \* Organization of Eastern Caribbean States
  - \* Caribbean Community (CARICOM)
    - \* 15 member states

# World Bank Environmental Focus

Toward a Green, Clean,  
and Resilient World for All

A World Bank Group Environment Strategy 2012 – 2022



## The World Bank Group's Environment Strategy 2012-2022

[http://siteresources.worldbank.org/ENVIRONMENT/Resources/Env\\_Stratgy\\_2012.pdf](http://siteresources.worldbank.org/ENVIRONMENT/Resources/Env_Stratgy_2012.pdf)

# World Bank Environmental Focus

- \* World Bank environmental project priorities:
  - \* Management of natural resources
  - \* Maintenance and resilience of terrestrial and marine biodiversity
  - \* Mitigating risk and vulnerabilities of natural disasters
- \* Climate change has been the fastest growing environment and natural resource management area within the Bank.
- \* 15% of WB environment funding goes to environmental policy and institutional strengthening; 25% to water resources management and 21% to pollution management and environmental health

# World Bank Environmental Focus

- \* Some key priorities:
  - \* Sustainable Aquaculture
  - \* Oceans
  - \* Energy Efficiency
  - \* Renewable Energy
  - \* Sustainable cities
  - \* River cleanup and legacy pollution issues
  - \* Climate change adaptation solutions (e.g. coastal zone management)
  - \* Pollution Management
  - \* Strengthening policy and institutions.



# Inter-American Development Bank

- \* Established in 1959
- \* IDB Group includes the Multilateral Investment Fund & the Inter-American Investment Corporation
- \* HQ in DC & offices in 26 countries
- \* 2000 staff (mostly Spanish & Portuguese speaking)
- \* In 2012 the Bank approved nearly US \$11.4 billion in lending
- \* Canada has 4% of voting shares at the IDB
- \* 48 members
  - \* 26 Borrowers
  - \* 22 Non-Borrowers (incl. China, 2009)



# IDB in the Caribbean

- \* IDB provides funding within the Caribbean to:
  - \* Bahamas
  - \* Barbados
  - \* Belize
  - \* Jamaica
  - \* Dominican Republic
  - \* Guyana
  - \* Suriname
  - \* Trinidad and Tobago
  - \* Haiti
- \* Further channels funds to the Caribbean Development Bank for operations in the independent countries of the OECS
- \* The IDB has historically financed US\$900 million per year in the Caribbean
- \* Currently has an active portfolio of US \$3.5 billion and a pipeline of approximately US\$1.5 billion

# IDB and the Environment

- \* In 2013, the IDB provided:
  - \* US \$535 million invested for energy projects
  - \* US \$178 million for environment and natural disaster projects
  - \* US \$775 million for water and sanitation projects
- \* 32% of all projects at the IDB were within the Infrastructure and Environmental sectors

# IDB - Environmental and Infrastructure Focus

- \* Core priorities of environmental sector funding are:
  - \* Sustainability
  - \* Climate Change and Disaster Risk Management
  - \* Natural Resources, Infrastructure and Water and Sanitation
- \* Specific sector initiatives include:
  - \* Sustainable Energy and Climate Change Initiative (SECCI)
  - \* Emerging and Sustainable Cities Initiative (ESCI)

# World Bank and IDB Projects in Execution in the Caribbean Region

# Dominican Republic

## DO AAL1 Water and Sanitation in Tourist Areas

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$34 million (27.5 has been disbursed)
<b>High-level Objective</b>	Strengthen the policy framework of the water sanitation sector, improve and expand access to sanitation and water treatment and increase access of rural entities
<b>Core Components</b>	Technical assistance for sector development, watershed management, and rehabilitation and expansion of sanitation services
<b>Executing Agency</b>	Secretaria de Estado de Economia, Planificacion y Desarrollo
<b>Key WB Contact</b>	Oscar Alvarado – <a href="mailto:oaalvardo@worldbank.org">oaalvardo@worldbank.org</a>
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2007/11/20/000076092_20071120133923/Rendered/PDF/PID1Appraisal0Stage.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2007/11/20/000076092_20071120133923/Rendered/PDF/PID1Appraisal0Stage.pdf</a>

# Barbados

## Coastal Risk Assessment and Management Program

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$30 million / \$42 million total project value (\$6 million disbursed)
<b>High-level Objective</b>	To build capacity in integrated coastal risk management in Barbados incorporating climate change adaptation
<b>Core Components</b>	An evaluation of coastal risk and climate change vulnerabilities and the design and implementation of a national information platform. Designing new technological data infrastructure and coastal engineering structures.
<b>Executing Agency</b>	Coastal Zone Management Unit
<b>Key IDB Contacts</b>	Cassandra Rogers, Michele Lemay
<b>Project Initiation Document</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=35052505">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=35052505</a>

# Bahamas

## Feasibility studies for a climate risk-resilient coastal zone management program

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$ 0.5 million
<b>High-level Objective</b>	An assessment of an investment program for the sustainability and resilient development of the coastal zone
<b>Core Components</b>	The design and analysis of socioeconomic, financial, environment and social feasibility of an investment program. Consist of coastal engineering for beach stabilization, baseline date, and the design and monitoring of coastal zone management.
<b>Executing Agency</b>	The Ministry of Environment and Housing
<b>Key IDB Contact</b>	Michele Lemay – michelel@iadb.org
<b>Project Initiation Document</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38189992">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38189992</a>



# OECS Countries

## Sustainable Financing & Management of Eastern Caribbean Marine Ecosystem Project

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$18.87 million
<b>High-level Objective</b>	To contribute to enhancing the long-term sustainability of protected area networks in the Eastern Caribbean sub region
<b>Core Components</b>	Establishing sustainable financing mechanisms, strengthening of the Marine Protected Area networks and the deployment of regional monitoring and information systems
<b>Executing Agency</b>	The Nature Conservancy
<b>Key WB Contacts</b>	Dinesh Aryal, Nyaneba E. Nkrumah
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2011/02/15/000001843_20110216155351/Rendered/PDF/OECSoSustainab1finalowithoTNCoasoEA.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2011/02/15/000001843_20110216155351/Rendered/PDF/OECSoSustainab1finalowithoTNCoasoEA.pdf</a>

# Grenada and St. Vincent

## Regional Disaster Vulnerability Reduction APL1

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$53.12 million (\$20.92 m disbursed)
<b>High-level Objective</b>	Reducing vulnerability to natural hazards and climate change impacts in the Eastern Caribbean sub-region.
<b>Core Components</b>	Development of a new disbursement and financing for Grenada's Caribbean Catastrophic Risk Insurance Facility, assessment of natural risks and integration of such assessment into policy and training.
<b>Executing Agency</b>	Minister for Finance, Planning, Economy, Energy and Cooperatives
<b>Key WB Contact</b>	Niels Holm-Nielsen – <a href="mailto:nholmneilsen@worldbank.org">nholmneilsen@worldbank.org</a>
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2011/05/24/000001843_20110524155201/Rendered/PDF/OECS0DVRP00P110tageoPID005.19.20110.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2011/05/24/000001843_20110524155201/Rendered/PDF/OECS0DVRP00P110tageoPID005.19.20110.pdf</a>

# World Bank and IDB Projects in the Pipeline in the Caribbean Region

# Dominican Republic

## Implementation of ESCI in Santiago de los Caballeros

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$ 1.2 million
<b>High-level Objective</b>	Provide support for the implementation of the Emerging and Sustainable Cities Initiative (ESCI)
<b>Core Components</b>	Assess the carbon footprint, vulnerability to environmental disasters and green house gas emissions.
<b>Executing Agency</b>	Ciudad de Santiago de los Caballeros, República Dominicana
<b>Key IDB Contact</b>	Cristian Horacio Terraza
<b>Project Initiation Document</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38364410">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38364410</a>

# Jamaica

## Improving Climate Data and Information Management

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$7.1 million
<b>High-level Objective</b>	Improve the quality and use of climate related information for effective planning and action at local and national levels.
<b>Core Components</b>	Upgrading of the meteorological data collection, processing and forecasting systems and vulnerability assessments using climate scenarios to analyze the expected consequences of climate change across the region.
<b>Executing Agency</b>	The Latin America and Caribbean Region Environment and Water Resources Unit (LCSEN)
<b>Key WB Contact</b>	Enos Esikuri – <a href="mailto:eesikuri@worldbank.org">eesikuri@worldbank.org</a>
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2012/06/24/8E6F16132553938585257A27007C3C14/1_o/Rendered/PDF/ISDS0PrintoP12024201201340577418232.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2012/06/24/8E6F16132553938585257A27007C3C14/1_o/Rendered/PDF/ISDS0PrintoP12024201201340577418232.pdf</a>

# Dominican Republic

## Support for the Distribution Network Improvement and Electricity Losses Reduction

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$78 million
<b>High-level Objective</b>	The reduction of power outages, increased sustainability of energy and rehabilitation of power circuits
<b>Core Components</b>	Loss reduction program; review of the tariff structure; design of energy efficiency measures for public sector buildings
<b>Executing Agency</b>	Corporación Dominicana de Empresas Eléctricas Estatales (CDEEE)
<b>Key IDB Contact</b>	Jorge Enrique Mercado Diaz – <a href="mailto:jorgem@iadb.org">jorgem@iadb.org</a>
<b>Project Profile</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=37281441">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=37281441</a>

# Haiti

## Institutional Strengthening and Reform of the Water & Sanitation Sector

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$22 million
<b>High-level Objective</b>	Improve the sustainability and quality of water and sanitation services
<b>Core Components</b>	Strengthen and stabilize the institutional framework, develop comprehensive sanitation strategy
<b>Executing Agency</b>	Minister of Economy and Finance
<b>Key IDB Contacts</b>	Sarah Mattieussent Romain – <a href="mailto:sarah@iadb.org">sarah@iadb.org</a> Nicholas Kotschoubey – <a href="mailto:nicolask@iadb.org">nicolask@iadb.org</a>
<b>Project Profile</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38238446">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38238446</a>

# Jamaica

## Integrated Management of the Yellahs-Hope Watershed and Management Area

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$ 3.91 million
<b>High-level Objective</b>	Reduce pressure on natural resources in the Yellahs River and Hope River Watersheds by increasing watershed management
<b>Core Components</b>	Institutional strengthening & capacity building; Integrated Land Management plans developed and implemented; Key biodiversity & natural resource data updated, collected & incorporated into national & local GIS databases & National Spatial Plan; soil conservation, IWRM & watershed management, etc.
<b>Executing Agency</b>	National Environmental and Planning Agency
<b>Key Contacts</b>	Sergio Ardila – <a href="mailto:sergioar@iadb.org">sergioar@iadb.org</a>
<b>Project Initiation Document</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=36269246">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=36269246</a>



# Barbados

## Second Generation of Reforms to Support the Sustainable Energy Framework for Barbados

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$25 million
<b>High-level Objective</b>	Reduce dependency on fossil fuels by promoting sustainable energy diversification, mitigation of greenhouse gases, institutional strengthening and the development of a comprehensive, sustainable energy framework
<b>Core Components</b>	Development of a Sustainable Energy Framework; the development of pilot projects in RE and EE; Sustainable Energy Training Program for upgrading professional and technical skills
<b>Executing Agency</b>	The Ministry of Finance and Economic Affairs
<b>Key Contacts</b>	Christiaan Gischler Blanco – <a href="mailto:Christaang@iadb.org">Christaang@iadb.org</a>
<b>Project Profile</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=36857218">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=36857218</a>

# Guyana

## Water Supply and Sanitation Infrastructure Improvement Program

<b>Source of financing</b>	Inter-American Development Bank
<b>Funding Amount</b>	US \$ 14.52 million (+US\$14 m EU funding)
<b>High-level Objective</b>	Infrastructural rehabilitation of water supply networks and sanitation services
<b>Core Components</b>	Construction, rehabilitation and expansion of water treatment plants; Institutional strengthening including capacity building activities on NRW reduction; activities to strengthen GWI's water resource management and planning capabilities; and development and implementation of a monitoring and evaluation system.
<b>Executing Agency</b>	Guyana Water Incorporated
<b>Key IDB Contact</b>	Marcello Basani <a href="mailto:marcellob@iadb.org">marcellob@iadb.org</a>
<b>Project Profile</b>	<a href="http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38388579">http://idbdocs.iadb.org/wsdocs/getdocument.aspx?docnum=38388579</a>

# Belize

## Energy Resilience for Climate Adaption

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$ 12.8 million
<b>High-level Objective</b>	The development and enhancement of sustainable energy systems to adverse weather and climate change impacts
<b>Core Components</b>	Development of a risk management approach to allow for identification, quantification and prioritization of climate change adaptation interventions and investments; Strengthening implementation capacity for response and recovery; Development of a bio-energy policy, etc.
<b>Executing Agency</b>	Ministry of Energy, Science and Technology, and Public Utilities
<b>Key Contacts</b>	Migara Jayawardena – <a href="mailto:mjayawardena@worldbank.org">mjayawardena@worldbank.org</a>
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2014/01/24/090224b08221416d/1_0/Rendered/PDF/ProjectoInformoAdaptation000P149522.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2014/01/24/090224b08221416d/1_0/Rendered/PDF/ProjectoInformoAdaptation000P149522.pdf</a>

# Saint Lucia Disaster Vulnerability Reduction Project

<b>Source of financing</b>	World Bank
<b>Funding Amount</b>	US \$68 million
<b>High-level Objective</b>	Reduce vulnerability to natural hazards and climate change impacts in Saint Lucia
<b>Core Components</b>	Regional Collaboration Platforms for Hazard and Risk Evaluation, Geospatial Data Management, and Applications for Improved Decision Making (\$5m); Prevention and Adaptation Investments (US\$14 million) including reconstruction of bridges, construction of retaining walls, riverbank stabilization etc.;
<b>Executing Agency</b>	Project Coordination Unit within the Department of Planning and National Development
<b>Key Contacts</b>	Tiguist Fisseha, <a href="mailto:tfisseha@worldbank.org">tfisseha@worldbank.org</a> Cheryl Mathurin, Project Coordinator in Saint Lucia
<b>Project Initiation Document</b>	<a href="http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2014/04/08/090224b0823ba9cd/1_o/Rendered/PDF/ProjectoInformoonoProjecto00P127226.pdf">http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/LCR/2014/04/08/090224b0823ba9cd/1_o/Rendered/PDF/ProjectoInformoonoProjecto00P127226.pdf</a>

# Questions?

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