



**Symposium on  
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& Business**

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***Latin America and Caribbean Case Study:  
Integrating Climate Change into National  
Sustainable Development Strategies and Plans***

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## Objectives and Timeframe

- Overall objective: to assist countries in strengthening their capacities to integrate climate change issues into national sustainable development plans, particularly in Adaptation.
- To build analytical capacity: knowledge base, systematic approach & analytical tools
- Facilitate action implementation
- *Timeframe: 2010 – 2012*

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## América Latina y el Caribe



- Grenada
- Guatemala
- Bolivia

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## Cooperation

- Organized by the Division for Sustainable Development (**DSD**) of the Department of Economic and Social Affairs of the United Nations (**UN-DESA**)
- **Grenada:** Ministry of the Environment, Foreign Trade and Export Development; Ministry of Carriacou and Petite Martinique Affairs
- **Guatemala:** Ministry of the Environment and Natural Resources
- **Bolivia:** Energética and the Ministry of Energy and Mines, Vice-Ministry of Electricity and Alternative Energies
- ECLAC, UNDP, UNIDO

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## Specific Objectives

*The Project is a CALL FOR ACTION.*

- *Identify & prioritize among relevant climate change impacts*
- *Identify potential courses of action*
- *Define best policies for action implementation*
- *Facilitate mainstreaming of policies & actions*
- *Develop strong knowledge base and analytical capability to support the development of specific projects & programmes*

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## ***Project Activities***

- Workshops implemented to support capacity building, implementation of analytical tools, data analysis
- Analytical tools developed and implemented
- Final national reports and publications
- Interactive Web Platform for communication
- Assistance preparing proposals for technical and financial support

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## ***Organizational Arrangements***

- National Working Team: Experts on critical areas in 3 pilot countries
- International Advisory Group: International experts from UN, ECLAC, international and regional consultants (e.g., MIND)
- Inter-Ministerial Committees: Environment, Agriculture, Health, Finance, Education, Works, Energy, etc.

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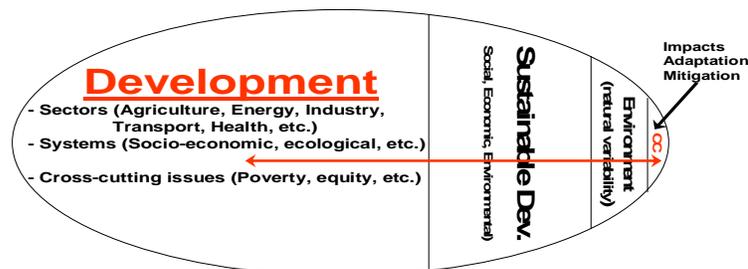
## Analytical Tools

- Methodologies that help define the priority impacts and the relationship between climate change and sustainable development.
- In particular the Action Impact Matrix (AIM) that was developed & implemented in Grenada y Guatemala
- Methodologies to define gaps and barriers for integration in development plans
- Systematic and integrated approaches to promote sustainable development and green economies
- Other methodologies that facilitate the process of integration of climate change in particular adaptation

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## Action Impact Matrix (AIM)

### AIM Challenge: Linking CC response to National Development



Manning Institute for Development

Seeks to understand sustainable development better so that national policy makers can take that into consideration while developing strategies rather than only conventional development plans such poverty alleviation and growth.

## Action Impact Matrix (AIM)

A *strategic tool* seeks to better comprehend *sustainable development* by understanding the interaction between

National Development  
Policies & Goals

Key Vulnerability  
Areas

Climate Change  
Adaption

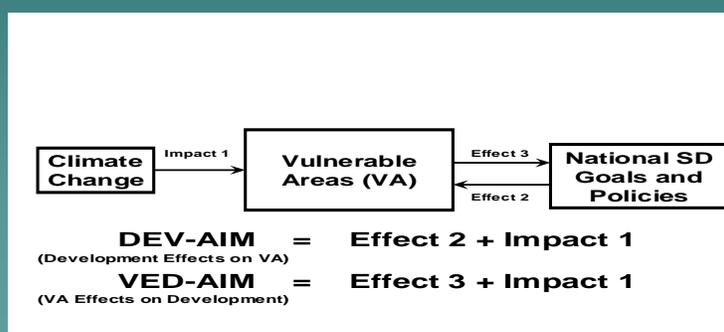
## How does the AIM based approach work?

- ◆ The AIM process is the *key link from initial data gathering to practical policy application and feedback*. The process is made up of the following steps:
  1. Most important national development goals and policies are identified.
  2. Vulnerable areas relevant to climate change are identified.
  3. Climate change is incorporated into AIM

4. Ways in which development goals and policies might impact vulnerable areas are identified.
5. Ways in which vulnerable areas might impact said goals and policies are identified.
6. Most important interactions are prioritized and appropriate remedial policies and measures are determined.
7. More detailed studies are conducted and key interactions and policy options that were determined are analyzed.

## AIM Process

- ◆ AIM implementation results in the derivation of 2 matrices:
- ◆ DEV-AIM=development effects on vulnerable areas
- ◆ VED-AIM= effect of vulnerable areas on development.



## *Important Outcomes*

- **Synergies between sustainable development and climate change goals**
- **Identification of technology needs and mechanisms to facilitate technology transfer**
- **Enhanced institutional arrangements that facilitate mainstreaming**
- **Substantive knowledge base to support proposals for financial and technical assistance for projects & programmes**

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## *Countries moving forward with their priorities*

- **Grenada**
  - Emphasis on the definition of priority impacts from climate change
  - Developing a Road Map for an integrated green economy for small islands SIDS (a microcosm)
- **Guatemala**
  - Emphasis on the definition of an effective institutional, legal, and planning framework at both the national and sectorial levels
- **Bolivia**
  - Emphasis on the use of renewable energies to reduce the impacts on water resources and to provide electricity
  - Emphasis on rural communities

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## *Grenada*

- Emergency systems based on renewable energy for social and medical centres for use after natural disasters
- Programme to restore coastal mangrove zones
- Programme to manage water resources affected by climate change
- Integrated renewable energy and rainwater harvesting systems

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## *Guatemala*

- Integration of climate change on development plans by means of interministerial committees
- Diversification of the energy matrix towards the use of renewable energy
- Study on the impacts on food security and agriculture
- Programmes to modify the management of water resources
- Study on financing of actions and strategies in the medium and long term for the management of natural disasters

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## Bolivia

- Promoting the use of renewable energy to tackle climate change impacts
- Definition and development of programmes of action in adaptation and synergies between sustainable development objectives and climate change goals
- Use of analytical tools and systematic approaches that allow the analysis of climate change impacts and strategies to follow based on technologies
- Elaboration of studies that promote the use of renewable energies and the reduction of the vulnerability of water resources
- Assistance in development of proposals for financial and technical help

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## 2012 Publication of the Road Map

- A Starting point in the process
  - A summary of the study
  - An assessment of the issues
  - Possible projects to develop
  - Support data, analysis and
- Information for proposals for technical and financial support



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## ***Publications***

### ➤ **Grenada (2):**

- Priority impacts: management of water resources, electricity for community and medical centres, restoration of coastal ecosystems
- Design of a green economy for sustainable development in Carriacou and Petite Martinique

### ➤ **Guatemala (1+):**

- National climate change integration programme in sustainable development strategies and plans in Guatemala: policies, gaps and barriers, strategies for food security and change in the energy matrix.

### ➤ **Bolivia(1):**

- Use of renewable energy to facilitate the management of water and electricity in rural areas

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## ***Expected Accomplishments***

- **Incorporation of a climate change component into national development plans or NSDS**
- ***Identification and ranking of the major priorities for the countries***
- **Drafting of Action Plans for these top priorities identifying synergies between SD & CC**
- **Development of analytical tools and a systematic approach for replication in other countries**
- **Practical analytical report summarizing findings, lessons learned and knowledge at national level**
- **Assistance in proposal formulation**

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## ***Other Possible Achievements***

- Identification of synergies between sustainable development and climate change goals
- Development of relevant knowledge capacities appropriate for the region
- Dissemination of information and knowledge about the impacts of climate change and adaptive actions at the regional level
- Assistance in the definition of needs for relevant technologies
- Promotion of South-South and South-North-South and also public-private

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***Thank You!***

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