

Promoting CDM in the Pacific Islands: How to help Project Developers

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CDM capacity building workshop in Fiji, 28th January 2011



Presentation Overview

- n How to create an enabling environment for CDM developers
- n How to make it easier for them to identify and develop projects and submit them to the DNA and UNFCCC EB
- n How to promote CDM projects in the Pacific



Barriers for CDM Development

- n Low awareness of CDM opportunities
- n Low capacity to develop CDM projects
- n High transaction costs vs. project size
- n Lack of recognisance of CERs as a tradable commodity by local banks
- n Lack of finance for pre-investment studies (feasibility study, PDD, meth)



How to change?

- n Be Proactive
- n Involve the private sector (potential project developers & finance institutions)
- n Create a clear & simple CDM institutional framework
- n Create a facilitation platform / enabling environment



Creating an enabling environment

n WHO?

- **DNA** in collaboration with other government ministries and national / regional agencies
- Department of Energy
- Department of Forestry
- NLTB
- SPC / SPREP
- Others



Creating an enabling environment

n WHAT? Access to information

- Clear policy guidelines for relevant sectors (e.g. Climate change, Energy, forestry)
- CDM project cycle – docs, meths, costs
- DNA approval procedures
- Energy data / Emission factors
- Identify promising sectors
- Climate funds, where to get TA, investor info
- UNFCCC EB updates, guidebooks



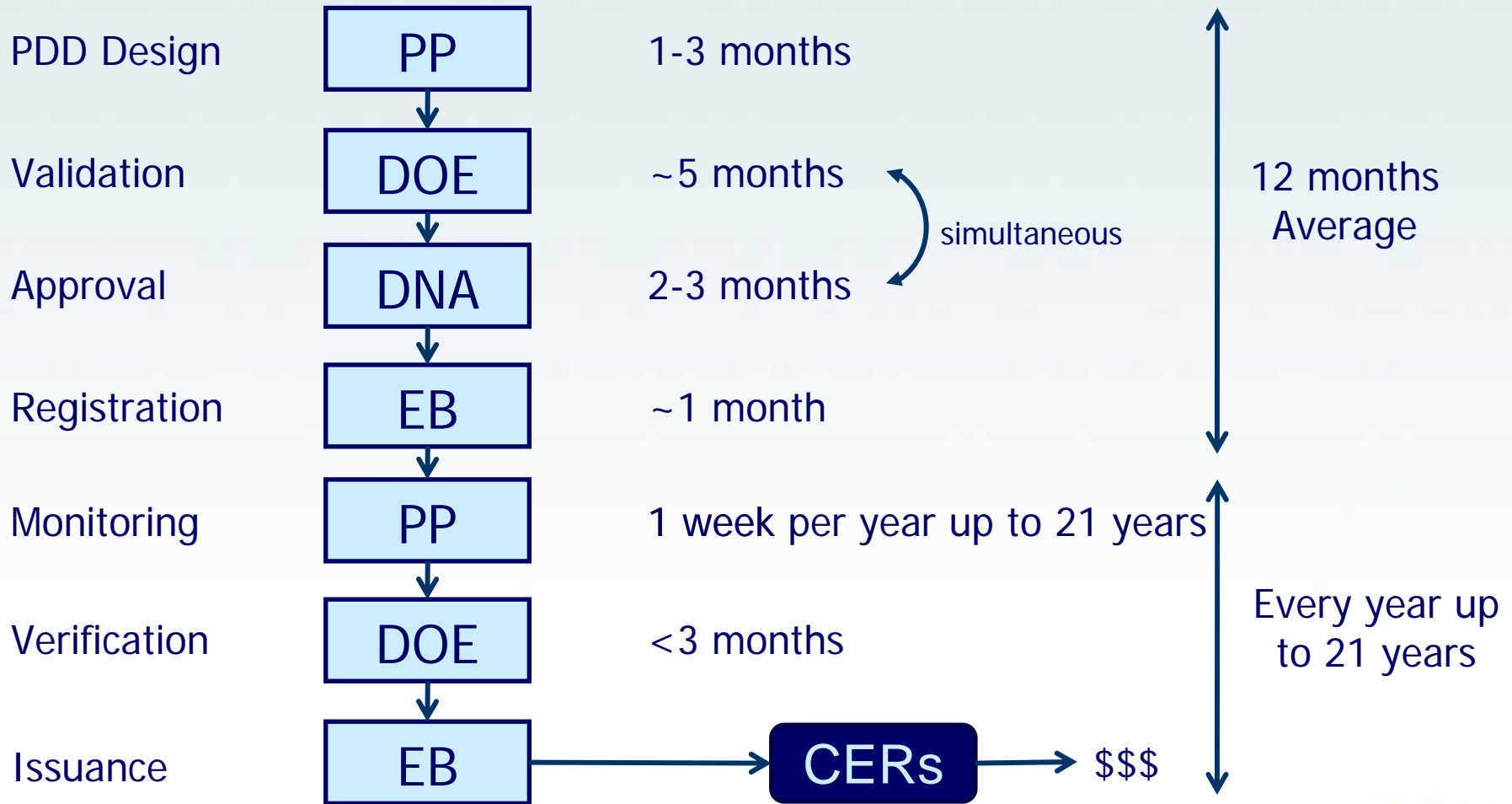
Creating an enabling environment

n HOW?

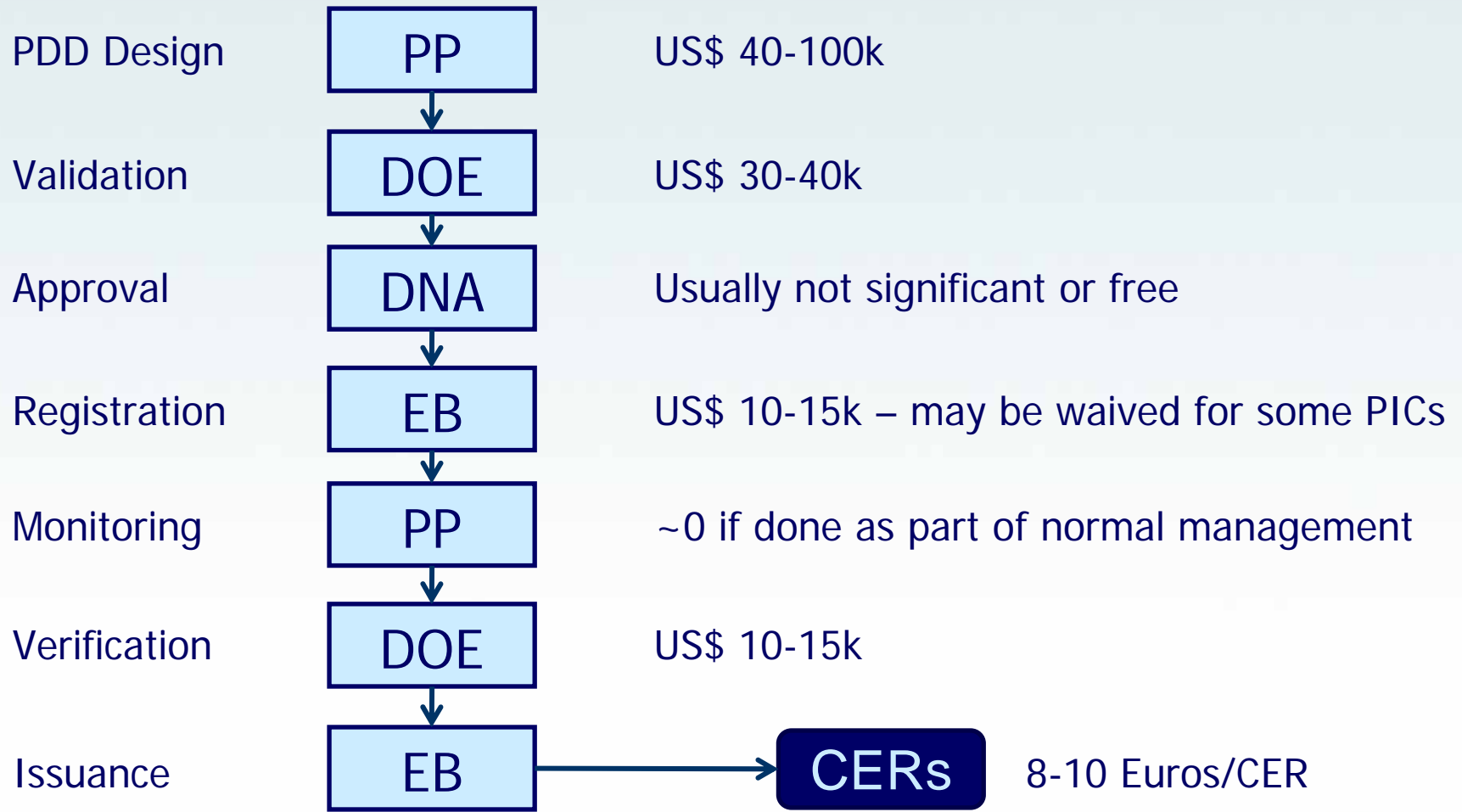
- Website
- Project developer manual / investor's manual
- Half-day seminars
 - n General
 - n Targeted to sectors e.g. Energy / forestry / banks / private industry and commerce
- Newsletters
- Regular e-mail updates on EB decisions



CDM Project Cycle: Time



CDM Project Cycle: Costs



Key Actions!

- n Engage public and private sector in CDM
- n Project identification
- n Promotion of projects to investors/buyers (companies & countries)
- n Cooperation with dev. agencies and dev. banks (UN, WB...)
- n Regional cooperation (SPREP and other Island States)



Comprehensive Approach



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Keep things simple for project developers!

- n Keep policy framework straight forward
 - **DNA = One-stop shop**
- n Clear and simple approval process
- n Keep fees to a minimum to encourage a project pipeline to develop
- n Open, regular and easy communication
 - Informal where possible / appropriate
- n Role = facilitate, facilitate, facilitate



Examples from other Countries

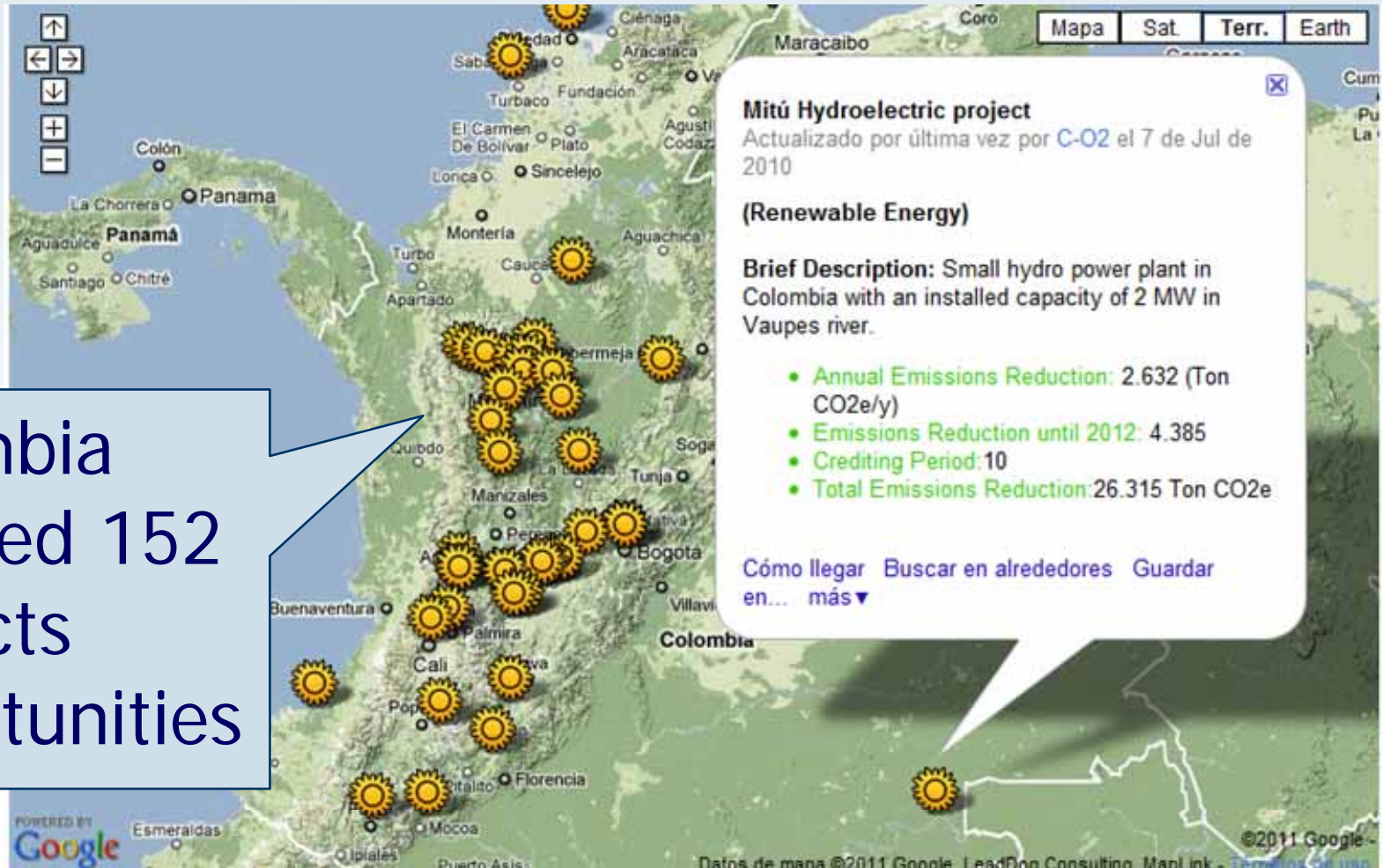


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Pipeline of Projects

Colombia mapped 152 projects opportunities



Regulatory Framework



Mudanças Climáticas

Brazil lists all legal and regulatory documentation

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English Español Français

Mecanismo de Desenvolvimento Limpo (MDL)

- Autoridade Nacional Designada (Comissão Interministerial de Mudança Global do Clima - CIMGC)
- Atividades de Projetos MDL
- Atividades da Conferência das Partes relativas ao MDL
- Reuniões do Conselho Executivo do MDL
- Documentos relativos ao MDL
- Status atual das atividades de projeto do MDL no Brasil e no mundo
- Fatores de Emissão de CO2 pela geração de energia elétrica no Sistema Interligado Nacional do Brasil
- Financiamento no âmbito do MDL
- Programa de atividades no âmbito do MDL
- Veja ainda

- » Ciência da Mudança do Clima
- » Acordo de Copenhague
- » Convenção-Quadro das Nações Unidas sobre Mudança do Clima
- » O Brasil e a Convenção
- » Comunicação Nacional
- » Negociações
- » Protocolo de Quioto
- » Mecanismo de Desenvolvimento

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Potential Identification

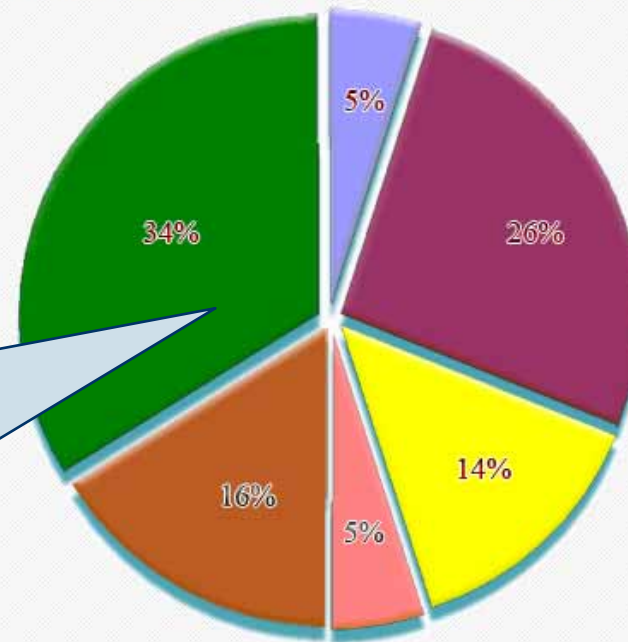
- » Home
- » CDM Overview
- » Executive Board
- » Achievements
- » Research Collaboration
- » **CDM Potential**
- » Eligibility Criteria
- » Contact Us
- » Conference registration

External Resources
CDM Study Centres
 Establishment of two national CDM study centers at two leading project issues

CDM Potential in Sri Lanka

Potential for emission reduction in Sri Lanka is estimated around 6,232,468 tons per year and accordingly, total US\$ 74,786,616 per year can be expected

Identified sectors and annual CO₂ abatement (tonnes)



	Organic waste treatment 311623.4 tonnes 5%
	Wind 1620441.6 tonnes 26%
	Bio Mass 872545.5 tonnes 14%
	Hydro 311623.4 tonnes 5%
	Forestry 997194.8 tonnes 16%
	Agri. Plantation etc 2119039.1 tonnes 34%

Sri Lanka identified the ER potential in each sector



Investor Guide: The Philippines

Development Mechanism (CDM) in The Philippines

Number of projects

Status of CDM in The Philippines

Information (as of 1 November 2010)

Project Status	Number of Projects
CDM projects registered at CDM executive board ^[1]	42
CDM projects approved by the Philippines DNA ^[2]	86

Source: [1] IGES CDM Project Database http://www.iges.or.jp/en/cdm/report_cdm.html; www.unfccc.int [2] The Philippine CDM DNA Secretariat

Basic Data on CDM Projects (as of 1 November 2010)

	Registered CDM Projects				Review Requested	Rejected
	N. of Projects	Ave. Annual ERs (tCO ₂ /y)	Total ERs by 2012 (tCO ₂)	Issued CERs		
Industrial waste)	28	62,280	561,744	18,000	0	0
Waste water treatment)	2	62,280	124,560	0	0	0
Landfill	3	59,201	177,603	0	0	0
Other	0	0	0	0	0	0
Power	1	74,916	374,580	0	0	0
Hydro	1	95,124	475,620	0	0	0
Methane avoidance (Composting)	1	8,322	41,610	0	0	0
Methane recovery & utilization (Landfill)	3	264,034	1,296,162	0	0	0
Secondary catalytic reduction of emissions	1	39,177	195,885	0	0	0
Waste gas/heat utilization		61,651	308,255	0	0	0
Wind power		56,751	435,634	64,568	0	0
Total		37,272*	6,419,890	111,065	1	2

Source: IGES CDM Project Database http://www.iges.or.jp/en/cdm/report_cdm.html
 * This value is not the total of average annual emission reduction of all the eleven project types.

New Updates

- Registered CDM projects
- DNA-approved projects
- CDM projects on Page 2
- Current PoA developed in the Philippines on Page 2

Financial Benchmarks (IRR)

Barrier analysis

DNA approval procedure and fees

Emission factor



CDM capacity building

January 2011



Role Model: China

Capacity Building activities

Buyers, Consultants and DOEs

Clean Development Mechanism in China HOME | 中文

Sponsored by Department of Climate Change, National Development and Reform Commission

- What's New **NEW**
- Domestic Policy & Regulation
- Project Information
- Capacity Building
- International Rules
- Declaration
- Links

Article search

Most Recommended

CDM Project Database

- Project Search
- CDM Statistics

CDM Information Platform

- CDM Projects
- CER Buyers
- Consulting Agencies
- DOEs

What's New **MORE...**

- Chongqing launches emissions trading pilot **NEW**
- Wind power industry facing big challenge
- Further questioning the intention of EU to buy CDM Projects **NEW**
- CDM carbon offsets top 500 million mark
- China Moves Toward Carbon Emissions Trading to Improve Energy Efficiency and Competitiveness

Emission Factor, Policies and Regulations

Project DB

Latest News



DNA Website: Rwanda

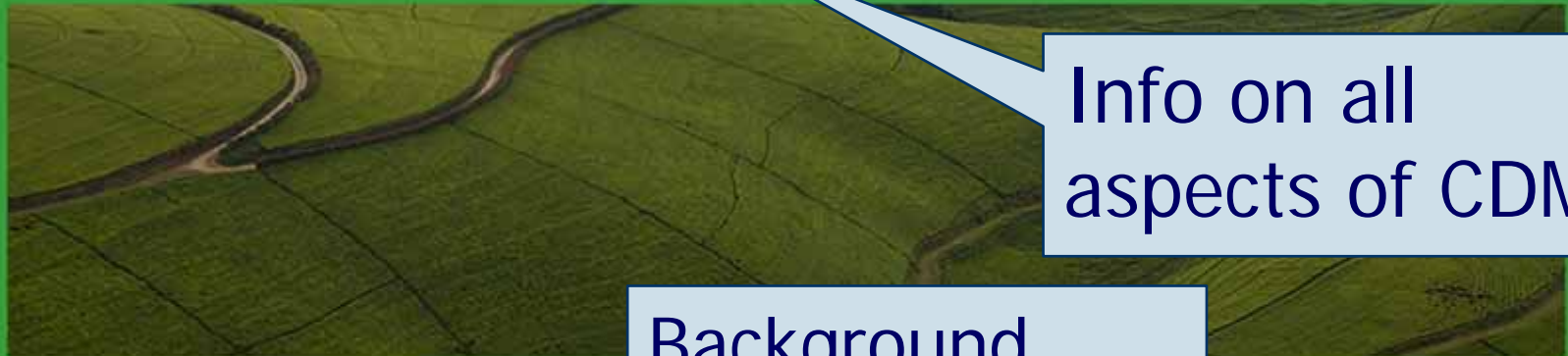
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REPUBLIC OF RWANDA
Designated National Authority



Home Rwanda DNA Climate Change Clean Development Mechanism Voluntary Carbon Market Carbon Market in Rwanda Project Approval Procedures



Info on all aspects of CDM

WELCOME TO RWANDA DNA

Rwanda Designated National Authority

Rwanda has been undergoing rapid economic growth. This has sp...
Appropriate measures need to be taken in order to discourage inap...
contribute to sustainable development as well as economic develo...
Participatory Evaluation of Poverty Report 2001 as third among the...
subsistence farming and agricultural produce is affected by floods...
In addition to this, the present comprehensive national strategy i.e. EC...
2008-2012 (EDPRS) of Rwanda emphasizes the importance of the develop...
ment of the carbon market. The carbon market will provide Rwanda...
provide Rwanda with an opportunity to achieve sustainable development...
which is the ultimate goal of Rwanda's Vision 2020. The EDPRS...
EDPRS through implementation of environment friendly projects.

Background docs & Project approval procedures

[read more...](#)

News & Events

● Africa Enterprise Challenge Fund

DNA Documents

- Climate Change Science
- Clean Development Mechanism
- Carbon Market in Rwanda
- Project Approval Procedures

DNA: Clarify and Communicate

- n Government Policy for CDM
- n Regulation for CDM
- n Identification of major public and private players
- n DOEs operating in Pacific
- n List of investors / Project developers / consultants operating in Pacific



Roles: DNA

- n Coordinates project evaluation and approval
- n Support CDM projects from the Pacific to the UNFCCC EB
- n National regulation on CDM
- n Spread CDM information
- n Promote actions to remove barriers
- n Participate in international negotiations / Carbon forums



Roles: DNA

- n Promote project portfolio nationally and internationally
- n Market your country as a CDM destination
- n Facilitate communication between actors
- n Administer relevant information (website)
- n Strengthen Capacity Building
- n Advice on post 2012 funding sources and carbon markets



Funding Sources

- n ADB: Future Carbon Fund & Carbon Market Initiative
- n WB: Umbrella Carbon Facility
- n European Carbon Fund
- n UNDP, UNIDO: Technical Assistance
- n GTZ, Austria DA, DFID, NORAD: TA
- n kfW PoA Support Centre
- n CTI PFAN: TA
- n Pacific traditional bilateral partners:
Australia, NZ, China, Taiwan, Japan, USA



THANK YOU!

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