

Capacity building and policy support for – carbon finance and adaptation

John Christensen
UNEP RISOE Centre (URC)

May 5, 2009

Outline

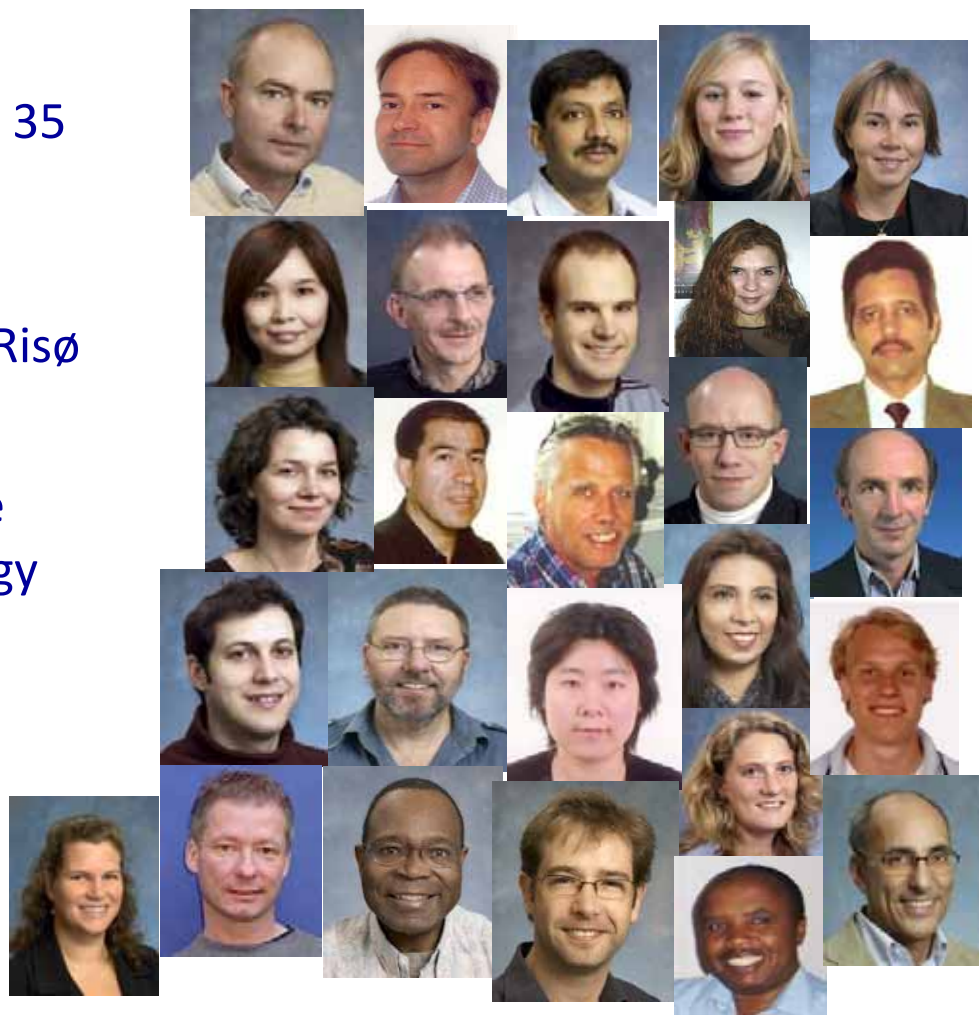
- UNEP Risø Centre
- Activities on energy and carbon finance
 - Approach
 - Capacity Building
 - Analytical activities – guidelines and web tools
 - Results
- Activities on climate strategies and resilient development
 - Danida support
 - CC DARE

UNEP Risø Centre – Energy, Climate and Sustainable Development

International research team of over 35 economists and scientists.

Based on agreement between Risø DTU, UNEP and Danida. Located at Risø since 1990.

Mandate is to support and promote UNEP activities in the areas of energy and climate change, with a special emphasis on developing countries.



Centre Approach

- Activities at the Centre are characterized by a common approach (with variations):
 - Combining development of new analytical and scientific approaches with testing in practical pilot applications, integrated with capacity development
 - Utilizing the analytical strength of being a research programme at Risø to support the UNEP — with its normative, scientific, analytical and coordinating mandate as the lead UN organisation on environment and development

Centre Mission

Internationally leading research, policy analysis and capacity building to facilitate the shift towards cleaner, more efficient energy systems and climate resilient sustainable development.

URC's energy and carbon finance program

Core objectives:

- Facilitate more efficient, sustainable and equitable transactions
- Foster more equitable regional distribution of CDM benefits
- Strengthen emerging sectors in CDM and pilot new approaches
- Provide knowledge and promote skills sharing, facilitate networking

URC's energy and carbon finance program

• Key activities

- Structured, country-level capacity building programs
- Targeted, hands-on workshops & training sessions
- Analytical work (guidebooks; market surveillance and analysis & targeted research)
- Promotion Activities – organization/participation in regional/global carbon events
 - CDM Bazaar
- Facilitation of information management – web-based tools.

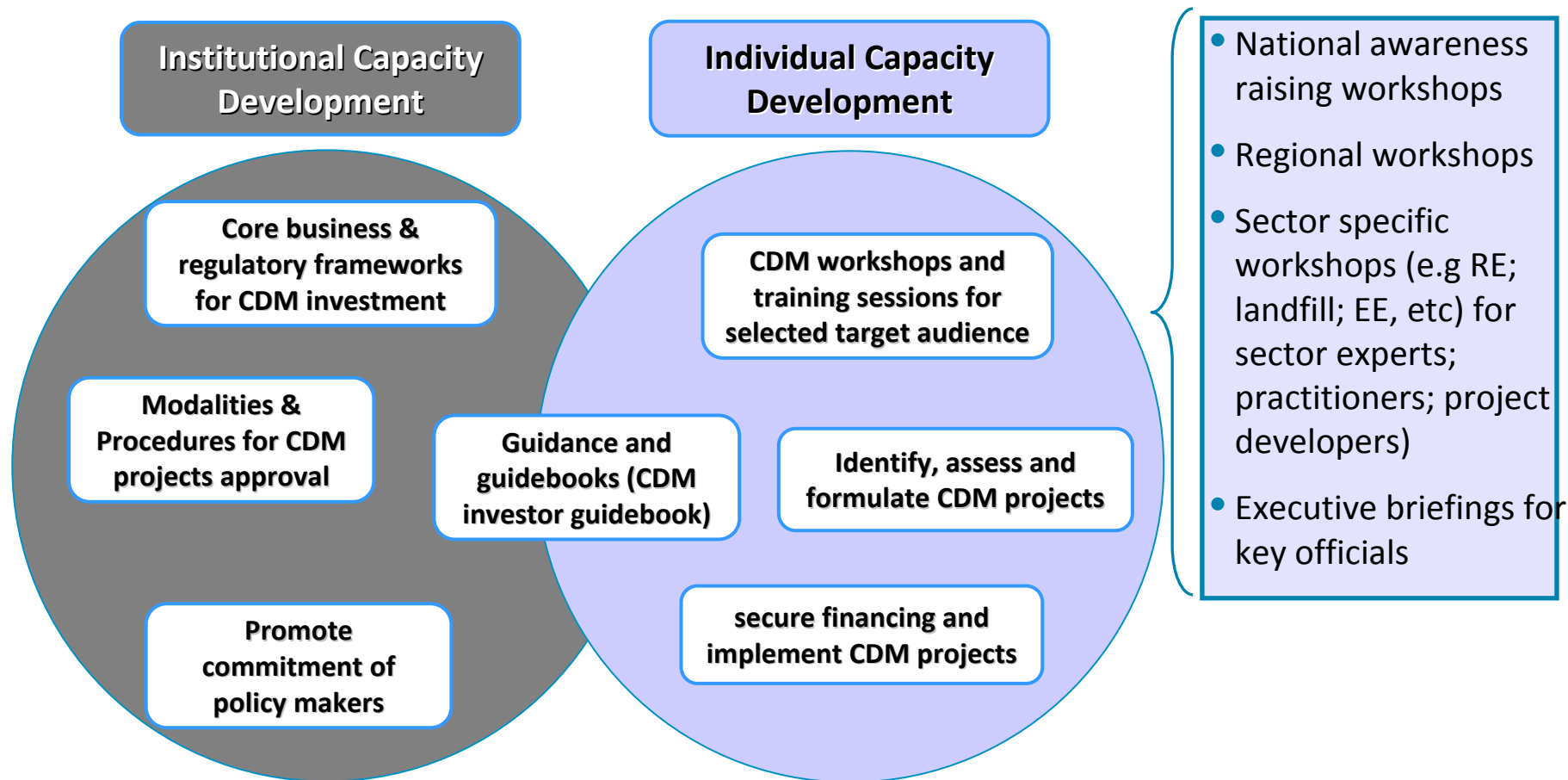


• Key projects

- UNEP/EU CB4MEA - CDM
- CD4CDM
- CDM Green Facility
- UNDP/UNEP in Africa
- UNDP/UNEP in LAC
- CASCADE



CDM capacity development program



project approval

project origination

Creates a national CDM projects portfolio and the institutional capability to attract CDM investments

Implementation Strategy – in country activities

Implementation Partners

- CDM knowledge and experience from UNEP Risø Centre and implementation partners:
 - regional and international CDM centres of excellence
 - local and regional experts and consultants

Transferred to

A large orange arrow pointing downwards, indicating the transfer of knowledge and experience from the implementation partners to the selected target groups.

Selected target groups

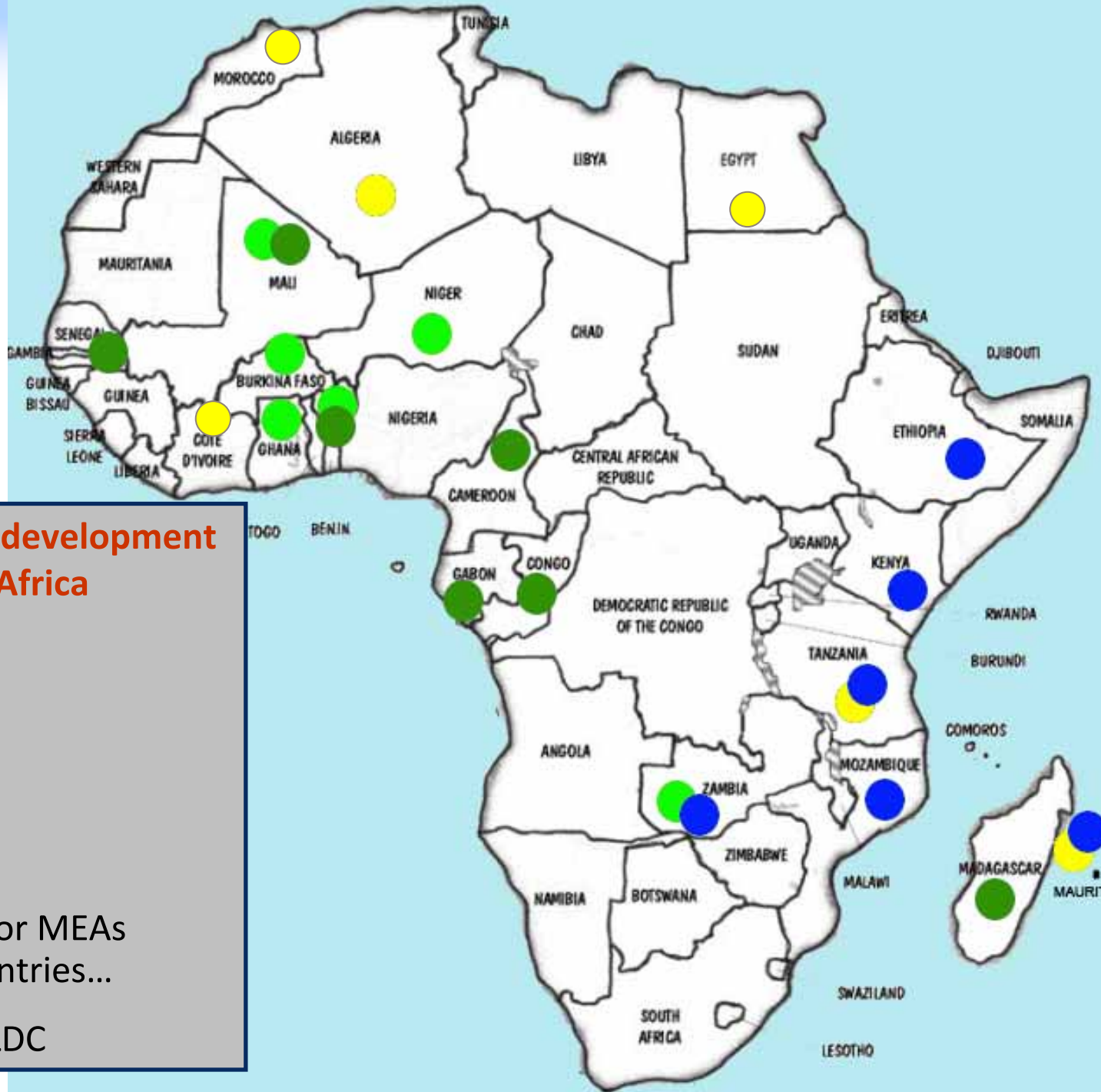
- local CDM practitioners and stakeholders:
 - policymakers in CDM-related line-ministries; energy companies; investment promotion agencies, municipalities
 - DNA staff members; approval committee members
 - sector technical experts, academics,
 - local financial and banking sector experts

-

The CDM Capacity Development Program under the EC-ACP- MEAs Project

Project Overview

- Funded by the EC – EUR 4,3 million
- Simultaneous execution in 3 regions – 14 ACP countries
- Duration: 4 years
- Executing Agency: UNEP Risø Centre, in close coordination with CARICOM, CCCCC and local partners
- Objectives:
 - enable targeted ACP countries to participate in the global carbon market
 - provide skills to identify, design, approve, finance, implement and monitor CDM projects,
 - emphasise the development of a regional CDM projects portfolio that could be marketed in international carbon events
 - support the provision for Designated National Authority (DNA) website.



UNEP/URC capacity development activities in Africa



CD4CDM



Green Facility



UNDP-UNEP



CASCADE

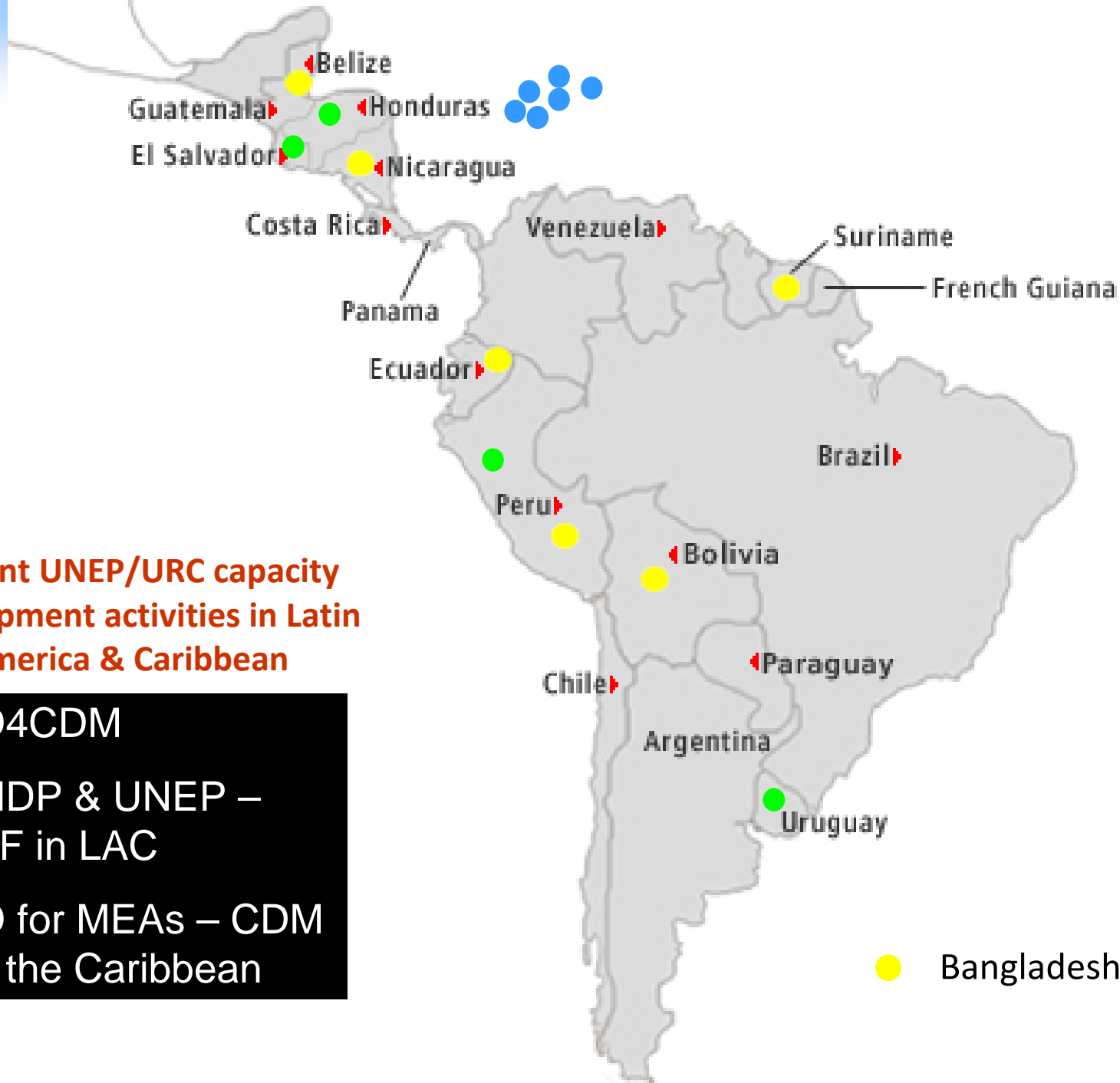


Upcoming CB for MEAs
(CDM) in 7 countries...

20 COUNTRIES; 11 LDC

**Current UNEP/URC capacity
development activities in Latin
America & Caribbean**

- CD4CDM
- UNDP & UNEP –
LCF in LAC
- CD for MEAs – CDM
for the Caribbean



Regional Activities

Investment mobilization and engaging the finance sector

- African Bankers' Carbon Finance Investment Forum. May 2007, Johannesburg
- Dakar, Senegal: Carbon finance perspectives for the banking sector. Feb 12-14, 2008
- Training finance sector staff – Regional Financial Sector CDM Forum, Lima, Nov 2008
- Finance guidebook

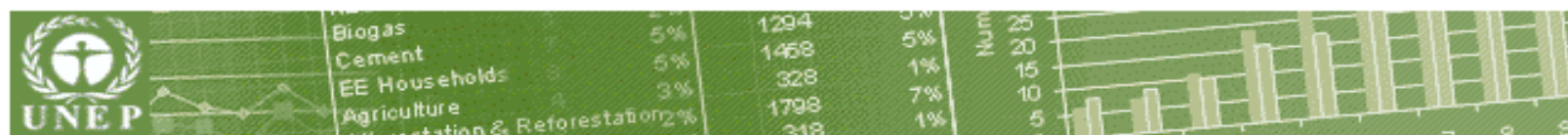


Regional Carbon Forums

- **Africa Carbon Forum, Senegal, Sep. 2008**
- **Latin America Carbon Forums, Quito 2006, Lima 2007, Santiago 2008, Panama 2009**
 - ✓ Knowledge and information sharing platforms
 - ✓ Bring together CDM stakeholders to benefit from:
 - ✓ Updates on Carbon markets; technical knowledge sharing on conferences; trade fair and capacity-development sessions,
 - ✓ Organizers: IETA, UNEP/Risø, WB, OLADE, UNDP, and UNFCCC



Information facilitation and global data analysis



Last updated:
1st September 2008

Content of CDM/JI Pipeline

- » **Home**
- » Overview
- » CDM projects by type
- » CDM projects by host region
- » CERs
- » Approved CDM methodologies
- » JI projects
- » DOEs/AIEs

Welcome to the UNEP Risoe CDM/JI Pipeline Analysis and Database

The CDM/JI Pipeline Analysis and Database contains all CDM/JI projects that have been sent for validation/determination. It also contains the baseline & monitoring methodologies, a list of DOEs and several analyses. Almost all information is from cdm.unfccc.int and ji.unfccc.int.

This monthly newsletter shows a sample of the analysis in the Pipeline. If you want more information, then look into the left column and click on the links to sub-pages or click on the download for the full Pipeline, which contain tables with a line of key information for all CDM and JI projects. You can also download a rather old guidance document to the Pipeline.

We publish regularly analysis in the "CDM/JI Analysis" section on www.carbon-financeonline.com (access to this section is free of charge).

» [Go to overview page](#)

Please cite as "UNEP Risoe CDM/JI Pipeline Analysis and Database, September 1st 2008".

Please do not put the spreadsheets on other web-sites, you may only put a link to them on this site.

Contact

If you have comments or questions please contact:


Joergen Fenhann
+45 46 77 51 05
j.fenhann@risoe.dk

Lars R. Appelquist
lars.rosendahl@risoe.dk

Kasper Agger
kasper.agger@risoe.dk

Downloads




[CDM Pipeline overview](#) 

[CDM project distribution within host countries by region and type](#) 

[JI Pipeline overview](#) 

[Guidance document](#) 
(updated February 2008)

Virtual platform for information exchange

[Home](#) | [About CDM Bazaar](#) | [How to use the Bazaar](#) | [Contact](#) | [Legal](#) | [Glossary](#)

Navigation:

Welcome to the UNFCCC CDM Bazaar. This site currently holds **94 postings** from **1165 registered users**

Sellers →

The Seller section shows seller profiles, including contact information, and the projects which have been added by registered Sellers.

Go to this section to:

- View seller entries and details of sellers in the carbon market
- View project entries and details of CDM projects and CERs at various stages
- View sellers and projects, and sort them according to your requirements

[> Visit seller section](#)

Latest seller profiles

- 2-9-2008 | [pradyumna](#)
- 27-8-2008 | [AMR PLANTATION S/B](#)
- 26-8-2008 | [Environmental Carbon Solut](#)
- 22-8-2008 | [Elgrey Power Pte Ltd](#)
- 22-8-2008 | [Ingenio](#)

[> See all sellers' profiles](#)

Buyers →

The Buyer section shows profiles of buyers in the carbon market, including preferences and contact information.

Go to this section to:

- View buyer entries and details of buyers in the carbon market
- View detailed purchasing profiles of buyers
- View buyer profiles, and sort them according to your requirements

[> Visit buyer section](#)

Latest buyer profiles

- 8-9-2008 | [BP](#)
- 7-9-2008 | [Shell](#)
- 2-9-2008 | [BOT GIE S.A.](#)
- 25-8-2008 | [Climate Capital Network](#)
- 23-8-2008 | [Climate Neutral](#)

[> See all buyers' profiles](#)

Service providers →

The Service provider section shows profiles of companies, including contact information, who supply carbon market technologies and services.

Go to this section to:

- View service provider entries
- View detailed profiles of service providers
- View service providers, and sort them according to your requirements

[> Visit service provider section](#)

Latest service provider profiles

- 8-9-2008 | [Renewgen Systems Inc.](#)
- 8-9-2008 | [Mf Global UK Ltd](#)
- 5-9-2008 | [Secutech Climate Change](#)
- 3-9-2008 | [SustentaX](#)
- 2-9-2008 | [Planck E](#)

[> See all service providers' profiles](#)

Search

Signup

Register to add your profile to the CDM Bazaar, and to add project information or announcements.

[> Register](#)

Login

[> Signup](#)

Results

- Increased CDM capabilities among developing countries with low CDM capacity
- Increased and diversified portfolio of CDM projects at development and idea stages
- New developments within CDM stimulated through research and publications trusted by a wide audience in the carbon market
- Regional Carbon Forums institutionalized through partnership with WB, UNFCCC, IETA,
- 1800 individuals of different sectors and nations made aware of the CDM and its benefits, including 400 financial sector practitioners
- Networking facilitated and increased with more than 50 entities from the private sector and more than 60 institutions from different public sectors.

Results

- Sensitized policy makers regarding the climate change issue, willing to support CDM and national mitigation actions
- 165% year-on-year increase in use of CDM pipeline (over 11.155 downloads in Jan. 2009)
- 150 % increase in number of buyers registered on the CDM Bazaar from 2008 to 2009. Bazaar averages 5.000 unique users/month and receives 160.000 hits/month.
- Satisfaction and positive feedback from DNAs/other in-country “clients”
- Program activities spotlighted in independent evaluation on NF implementation by DFID

Climate Strategies and Resilient Development

Key activity areas:

- Development based climate strategies
- Science engagement e.g. IPCC TAR, AR4 and a number of special reports, currently RE & CC
- Screening and proofing development assistance
- Mainstreaming climate concerns in development planning and implementation

Focus to day on last two issues



Climate Change is a Development Issue

- Developing countries are already being affected
- The poorest countries and communities will suffer earliest and most
- Development gains and achievement of the Millennium Development Goals are at risk
- Lower carbon and climate resilient growth offers opportunities for sustainable development with multiple benefits

How best to reduce vulnerability

- **Adaptation or Mainstreaming**

- “Stand alone” adaptation will be the smallest part
- Reducing vulnerability of development activities will be key - so mainstreaming CC issues into policy and strategy development
- Basically buying insurance without yet knowing the risk or cost
- Some action for free - but some will require tough decisions

- **Preventive action or disaster management**

- With the nature of how climate will change i.e. increased variation and extremes, the answer is “prevention and disaster preparedness” and one can learn from the other
- Some parallel issues to priorities between disaster relief and development aid
- Understanding of economics and analytical tools still weak

Understanding adaptation


Adaptation & Development

- “Serendipitous” adaptation i.e. development with incidental adaptation benefits
- Climate proofing – building climate resilience into development activities
- Discrete adaptation where the objective is adaptation with possible development
 - WRI 2007

ODA & Adaptation

- Climate screening
- Climate proofing
- Mainstreaming
- Still a process under development and implementation of real mainstreaming still largely absent.
 - Swedish CCD commission 2008

Strategic Work Areas

- 
- A close-up photograph of a pink lotus flower bud on a green stem, with large green lotus leaves in the background.
- Mainstreaming of climate change into international, regional, national, sectoral and local development planning and policies: E.g. guidance material and technical support, but also:
 - Climate screening, proofing and risk management: Tools and methodologies
 - Assessing costs and benefits of action vs. inaction.
 - Analytical work on the linkages between climate change impacts, adaptation, vulnerability and development.
 - Developing and testing analytical frameworks for assessing synergies and trade-offs between mitigation, adaptation and broader sustainable development goals.
 - Policy recommendations based on the above.

Experiences from the Danish – Development and Climate Programme

- **Mainstreaming approach:** Link poverty alleviation, MDG's, sectoral issues and climate change
- Pilot countries: Vietnam, Mozambique, Tanzania, Uganda, Kenya, Bangladesh, Nicaragua, Bolivia, Ghana, Zambia
- Activities:
 - initial focus on portfolio screening
 - rapid shift towards supporting countries in sectoral screening activities and capacity building
 - Moving towards supporting both data collection, capacity building and broader mainstreaming efforts

Mainstreaming Approach

Climate change is assessed in the context of general development goals. This means:

- Climate change is addressed as a development problem and human welfare aspects and its various social and human dimensions are linked to environmental issues
- The issue moves into the domain of new ministries such as planning, finance, agriculture, water, health, transport, and energy
- Links between future climate change and current variability, extremes and disasters are established

Barriers to mainstreaming - information on local climate change, vulnerabilities and costs

Climate screening and proofing are interdisciplinary:

- Definition of climate links, risks, time dimension, data limitations, and uncertainties
- Strong overlap with general development problems
- Defining costs and benefits are difficult and methods not well developed – hard political choices when defining priorities
- Only pragmatic approaches can work right now to make progress and will help establish common and tested methods but waiting for these to be fully in place will mean unacceptable delays

DARE – What it is and what it will do

2008 -2011

- CC DARE provides **demand driven** financial and technical support to sub-Saharan African that is **targeted, flexible** and **rapid**. The support is made available to assist countries to remove barriers for the integration of climate change issues into development planning and decision-making frameworks.
- UNEP project with UNDP, URC, UCC Water and regional partners
- 8 million USD over 3 years, initial 6 months pilot phase in 4 countries in 2008
- Expanding to 15 countries during 2009
- Help desk facility which may gradually be expanded to other regions, if funding becomes available
- Build on NAPA's, national communications, PRSP's etc
- Coordinate and collaborate with other regional initiatives
- Help to establish better information and data to support decisions and planning.

As a joint initiative of UNEP and UNDP, funded by the Danish Ministry of Foreign Affairs CC DARE aims to become a practical example of UN cooperation on a critical development issue and provide direct evidence of UN reform under the *One UN* banner.

CC DARE – Country Activities

- 4 countries participated in the pilot phase in 2008: Uganda, Senegal, Tanzania and Benin → 41 proposals received and reviewed, 11 activities currently under implementation.
- 11 more countries have accepted to become part of CC DARE: Mozambique, Ghana, Ethiopia, The Seychelles, Rwanda, Cameroon, Malawi, Namibia, Burkina Faso, Togo, and Botswana.
- Current country activities:
 - 3 technical/research activities related to crop efficiency, woodlots and indigenous knowledge
 - 4 on integration of climate change adaptation into planning processes at national, sectoral, and district level
 - 4 on education, awareness raising and training

CC DARE – Country Activities

- Level of support per country:
 - ✓ USD 150,000
 - ✓ Min. 3 activities
 - ✓ In addition: Free technical support from CC DARE staff or from regional/international experts
 - ✓ Projects must have a timeframe of 3-6 months
- Who can apply?
 - ✓ Government agencies
 - ✓ Educational institutions
 - ✓ Experts and academia
 - ✓ NGOs
 - ✓ Private sector



Thank you!!



Upcoming – May 2009

UNEP RISO CENTRE
A PRIMER ON PROGRAMMATIC CDM
MAY 2009

While many things have been said about Programmatic CDM, a clear step-by-step guidebook is needed to enable the sound preparation of projects under a programmatic scheme. The adequate management of issues such as sampling, monitoring structure and program monitoring pose big challenges in the success of Programmatic CDM. To cover this gap, the UNEP Riso Centre in the framework of the CD4CDM Project is developing a guidance document that will be addressed to CDM project developers and carbon financiers and other

- How to shape CDM Programs?
- How to apply sampling to CDM Programs?
- What should a Program Managing Entity do?
- How to apply the current rules and procedures?

During the first meeting of the project of the Riso Centre (RISO), a new CDM initiative was introduced: "Programme of Activities" (PoA). The mission was to develop the CDM PoA to replicate projects in CDMs with the goal of developing a guidebook that would help local officials and stakeholders to develop a project in a better way.

By its 2nd meeting, the CDM PoA initiative agreed the name of the programme: CDM PoA. It also agreed the name of the project: Riso Centre. The mission was to develop the CDM PoA to replicate projects in CDMs with the goal of developing a guidebook that would help local officials and stakeholders to develop a project in a better way.

In order to implement CDM PoA, the Riso Centre needs to develop and implement a Program of Activities PoA in the framework of the CDM PoA initiative.

Visit us...

www.uneprisoe.org
www.cd4cdm.org
www.cdmbazaar.net
www.cdmpipeline.org