

# CF-Assist Annual Report 2013

Capacity Building for Low Emissions Development

Capacity Building

*Institutional Development*

*Project Methodologies*

*Climate Change*

*Knowledge Sharing*

*Carbon Market Development*

*Technical Assistance*

*Climate Finance*

assist





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# Foreword



**Neeraj Prasad**  
Manager, Climate Change Practice  
World Bank Institute

*Turn Down the Heat*, a report prepared in the fall of 2012 for the World Bank by the Potsdam Institute in Germany, reminds us of the urgency with which the world needs to address the climate change challenge: unless we can achieve or come very close to global peaking of GHGs by 2020, there will be very little hope of limiting average temperature increases above pre-industrial levels to two degrees Celsius by 2100. In fact, we are currently on a path to a four degrees warmer world by the end of this century.

The global community is moving, albeit in small steps: COP-18 in Doha may not have provided the world with breakthrough results in terms of ambition levels, but the *Doha Gateway* demonstrates that the world's governments are still committed to addressing the daunting tasks ahead and to finding solutions to the challenges of integrating climate change mitigation and adaptation in development actions.

Scaling up action to enable poverty alleviation and economic growth while reducing human dependence on fossil fuels and enhancing resilience of communities, is a challenge that requires finding innovative solutions, fostering access to knowledge and learning, and engaging a range of stakeholders.

Besides the continuous efforts in the international arena for a strong global deal, a growing number of countries are also taking voluntary action, and efforts across sectors and stakeholder groups to formulate Low Emissions Development Strategies (LEDS) and design the first Nationally Appropriate Mitigation Actions (NAMAs) are already underway. To leverage these strategies and plans, there are three key requirements: capacity, innovative solutions and financing. While the provision of long-term finance is essential, identifying and fostering innovative solutions and building capacity in countries to be *climate-finance-ready* once adequate monetary

resources are being mobilized, is equally important.

The Carbon Finance-Assist (CF-Assist) program, hosted in the World Bank Institute Climate Change Practice (WBICC), is focused on these outcomes. Initially designed to help countries engage in carbon markets CF-Assist has grown in scope and now provides a range of complementary capacity building services crucial to address the evolving climate change action agenda. Working in the priority areas of Climate Finance Readiness, Low Emissions Development Policy Instruments and Carbon Pricing, as well as Cities and Climate Change, CF-Assist supports stakeholders to identify, learn, assess and take the climate change actions most appropriate in their specific contexts.

The program is a key provider of knowledge products and capacity building work, complementing the efforts of the Bank's regional units, and in alignment

with initiatives such as the Partnership for Market Readiness (PMR), the Energy Sector Management Assistance Program (ESMAP) and the Climate Investment Funds (CIF).

CF-Assist's work is also leveraged by various external partner institutions, and fully aligned with the needs of our clients and priorities of our donors. Let me take this opportunity and thank our clients and partners for their continuous trust in our work, and our donors Switzerland and Spain for their continuing support to CF-Assist, which allows us to address the ever-growing demand for knowledge and skills through a mix of comprehensive capacity building services. We also thank previous contributors to CF-Assist who helped set up the early interventions.

## 2012-13 At-a-Glance

<b>Carbon Expo 2012</b>	World's largest annual climate finance and carbon market platform—2,600 participants from 95 countries
<b>Regional Carbon Fora</b>	Held in South Asia, and East Asia and Pacific—total 400 participants
<b>Regional LEDS Practitioner Networks</b>	Launched in Asia, Latin America, and Middle East and North Africa—more than 250 members from 33 countries
<b>e-Learning</b>	Deliveries and development of e-learning courses on: Low Emissions Development; Carbon Finance; Cities and Climate Change; City Energy
<b>Technical Assistance / Project Support</b>	<ul style="list-style-type: none"><li>• Rio Low Carbon City Development Program</li><li>• Colombo, Sri Lanka, Green Growth Program</li><li>• Leadership for Climate Change Program in Malawi</li></ul>



# Carbon Finance-Assist

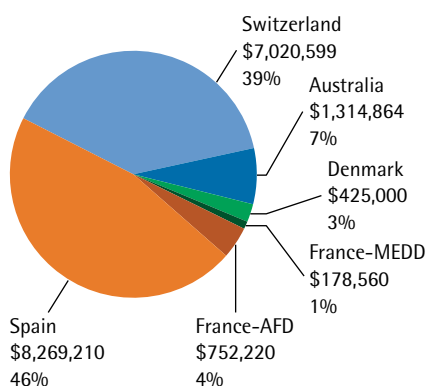


# 1. Carbon Finance-Assist: Evolving Work Program

The Carbon Finance-Assist (CF-Assist) program—comprising the CF-Assist multi-donor Trust Fund<sup>1</sup> supported by Switzerland, Spain, Denmark, Australia and France, and the Prototype Carbon Fund (PCF) plus program—was launched in mid-2005.

Initially, CF-Assist focused on helping developing countries and economies in transition to effectively participate in carbon markets and benefit from the flexible mechanisms under the Kyoto Protocol, specifically the Clean Development Mechanism (CDM) and Joint Implementation (JI).

Donor Contribution (in USD \$)



Funds received as of April 30, 2013: \$17,960,453  
(Source: Donor Center)

<sup>1</sup> As of March 2013, only Switzerland and Spain are CF-Assist donors.

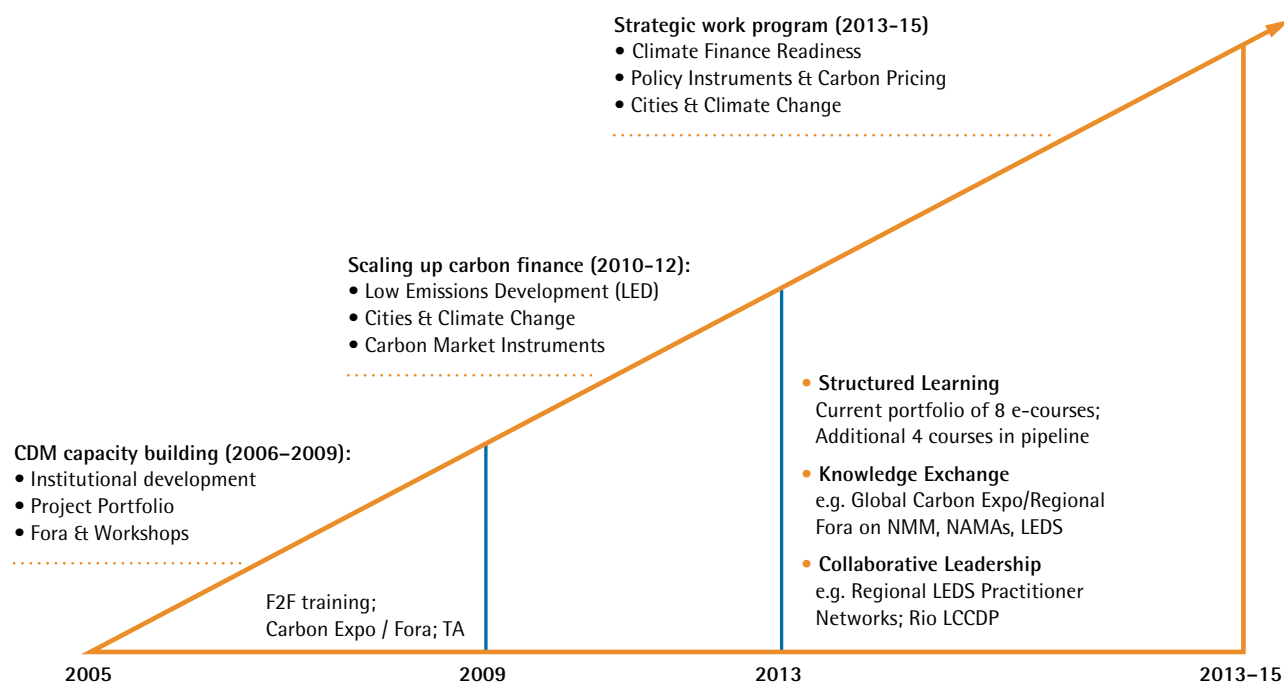
Since 2009, CF-Assist has expanded this original scope and set strategic priorities that are influenced by various developments, such as the ongoing negotiations for a new international climate change regime, the World Bank's Strategic Framework on Development and Climate Change, poverty eradication and green growth agendas.

Responding to the political, economic and technological opportunities and challenges, CF-Assist's strategic work program has further evolved over the last year and now focuses on the following three priority areas:

- Climate Finance Readiness
- Low Emissions Development (LED) Policy Instruments and Carbon Pricing
- Cities and Climate Change



Timeline of Carbon Finance-Assist, 2005-15



# 1. Carbon Finance-Assist: Evolving Work Program

## 1.1. Climate Finance Readiness

It has become evident that carbon finance alone, particularly under the current carbon prices, will not deliver emission reductions at the scale needed, so governments under the United Nations Framework Convention on Climate Change (UNFCCC) have encouraged each other to develop instruments of the future: LEDS and NAMAs. These

instruments will be essential to advance a country's climate finance readiness process, and when combined with available technology and financing, it could potentially bring the world back to a more climate-friendly development path.

With this as a priority area, we are supporting countries in their climate finance readiness process through a provision

of learning products and knowledge exchanges on Climate Finance, LEDS and NAMAs.

Thus, our objective is to strengthen the capacity of stakeholders to identify and prioritize LED opportunities, enable them to use climate finance in a transformative way, and enhance climate mitigation actions through carbon pricing mechanisms. Drawing on this overall development objective, we aim to:

- Enhance clients' capacities to access international climate finance and mainstream into national development investments.
- Improve knowledge of concepts, opportunities and challenges related to NAMAs.
- Facilitate the understanding of carbon pricing mechanisms and how they can contribute to achieving countries' low emissions development goals.

## 1.2. LED Policy Instruments and Carbon Pricing

Countries are exploring innovative and cost-effective ways to scale-up emission reductions and foster private sector investment through a range of policy instruments, such as voluntary approaches, regulatory approaches, market-based instruments, and research and development (R&D) support



policies. Many of these policies do not only provide Greenhouse Gases (GHG) reduction benefits, but can lead to a range of co-benefits such as reduced air pollution, increased efficiency and productivity, reduced energy costs, and green jobs.

In this preeminent area, we are aiming to strengthen the capacity of stakeholders (policymakers, energy planners and climate change development practitioners) to identify, assess and utilize

### Concepts

#### *Low Emissions Development Strategies (LEDS)...*

... describe broader, forward-looking national economic development plans or strategies in support of low emission economic growth. They are the sum of actions that aim to help bend the curve toward a low emissions pathway vis-à-vis a business as usual approach and intend to help advance national climate change action policies in a strategic manner, in alignment with development and poverty alleviation priorities.

#### *Nationally Appropriate Mitigation Actions (NAMAs)...*

... are emerging voluntary action programs by countries that align with their core development goals and that provide greenhouse gas mitigation co-benefits—they were introduced in the context of the UN climate negotiations, and encompass sectoral mitigation programs and policies.

#### *Climate Finance...*

... entails public and private, domestic and international capital flows in support of low-emission, climate-resilient development pathways. In order for countries to be able to utilize climate finance as and when it becomes available, adequate structures, strategies and plans need to be in place—in other words, they need to be prepared for climate finance, i.e. be *climate-finance-ready*.



diverse types of policy and market-based instruments in support of low emission development goals, and specifically aim to:

- Raise awareness among policy makers on the rationale for supporting LEDS through voluntary, regulatory and market-based instruments;
- Enable open access to knowledge and experience through a combination of state-of-the-art e-courses, knowledge products, tools, webinars and face-to-face exchanges that will facilitate the identification, evaluation and implementation of LED policy instruments suitable to country-specific contexts;
- Identify innovations and promote lessons learnt and good practice with regard to policy instruments for LED;
- Foster knowledge exchange among clients, drawing from the experience of World Bank Operations (including the PMR and other teams), partners and client countries.

### 1.3. Cities and Climate Change

Almost half of the world's population currently lives in urban areas and consumes 60 to 80% of the energy produced worldwide. Concentration of economic activities and resultant higher standards of living make cities major sources of anthropogenic GHG

emissions. Each planning, policy and infrastructure decision of a city is likely to influence the long term trends of GHG emissions—this, together with their ability to act at times faster and more efficiently over national entities as they can be governed by local, rather than national or international, policies, make cities major players in the climate change action arena.

Therefore, we are supporting the preparation of low carbon development strategies for cities and helping them establish institutional frameworks for implementation, as well as fostering development of programmatic carbon finance programs where appropriate.

Our capacity building objective is to support the development of sustainable, climate friendly cities. We aim to achieve this by providing knowledge services, technical capacity support and practical insights to urban sector professionals (including city government officials, NGOs, technical institutions and consultants) on how to develop and finance multi-sector, city-wide climate change programs. City-wide programs are being designed to support cities that are undertaking strategic, cross-sectoral approach to planning, administration and financing of low carbon, climate change mitigation and adaptation projects and policies.



### Business Lines

To support our clients in these priority areas, a capacity building package comprised of learning products and services, South-South knowledge exchanges, practitioner networks and support of actions on the ground, is vital. This can be implemented through interdependent business lines—Structured Learning (i.e. e-learning and face-to-face training); Knowledge Exchange (i.e. global, regional and local fora; and virtual practitioner dialogues such as webinars); and, Collaborative Leadership (i.e. comprehensive capacity building support for LED in priority areas).

### Partnerships

In implementing its work program, besides aligning activities closely with ongoing World Bank programs, CF-Assist has formed strategic partnerships and is collaboratively working with various external partners—e.g. the UNFCCC, United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), UNEP Risoe, United Nations Institute on Training and Research (UNITAR), Inter-American Development Bank (IADB), Kreditanstalt fuer Wiederaufbau (KfW), and Tec de Monterrey. CF-Assist is also engaged in multilateral partnerships such as the LEDS Global Partnership (LEDS GP) and the Nairobi Framework, and developing local partnerships to customize and sustain the program.

# Work Program Activities 2012-13



## 2. Work Program Activities 2012–13

### 2.1. Overview of Work Program Activities 2012–13

The following table offers an illustrative, select overview of our initiatives and activities, organized by work program areas and business lines.

Following the rationale of our interdependent business lines, programs and activities listed under "Collaborative Leadership" also interweave with the structured learning and knowledge exchange levels (e.g. members of regional LEDS practitioner networks may have taken the "Energy Sector Strategies to Support Green Growth" e-course and participated in the Carbon Expo). Furthermore, several of our initiatives are cross-cutting in terms of focus areas: e.g. the Latin America Carbon Forum

which contains topics relevant to and across all our work program priorities.

The table below only provides an illustrative overview of selected program activities over the last twelve months. In the annex section of this Annual Report, we offer a comprehensive list of deliverables, including information on delivery date and number of participants. This list is also illustrated in a world map towards the end of this section, which highlights all countries where CF-Assist program activities/deliverables were held in the past twelve months.

In the following sub-sections we will discuss program activities in more detail.

### 2.2. Climate Finance Readiness

**Structured Learning:** CF-Assist is developing a curriculum of e-courses in support of climate finance readiness processes. Besides the already existing e-course on Low Carbon Development (LCD), courses on Low Carbon and Climate Resilient Development Investment Planning and Climate Finance are in the production pipeline, and we are aiming to develop an e-course on Monitoring and Evaluation (M&E)/Monitoring, Reporting and Verification (MRV) systems in the next year.

*e-Course deliveries:* Our e-course on "Low Carbon Development: Planning and Modelling" was successfully delivered with 25 stakeholders participating in the

autumn 2012 delivery, during which 19 LCD plans were drafted by participants. The spring 2013 delivery saw an increase in participation (31 participants), with development of 17 draft LCD plans.

This course included participation of stakeholders from Uganda who took the e-course as part of our collaboration with UNITAR to support the UN CC:Learn "Pilot Projects to Strengthen Human Resources and Skills to Address Climate Change" (other pilot countries are Benin, Dominican Republic, Indonesia and Malawi).

The e-course on "Economics of Climate Resilient Development", which provides policymakers the basics for developing economically viable climate-resilient plans, was launched in February and well received with 50 participants. The next delivery is scheduled for autumn 2013.

Besides hosting facilitated deliveries twice a year through the WBI e-Institute, all e-courses developed or supported by CF-Assist are also available in 'self-paced' format which can be readily accessed from any part of the world by stakeholders who are eager to learn more about a certain topic.

*e-Courses in development:* The course on "Low Carbon and Climate Resilient Development Investment Planning",

	Climate Finance Readiness	LED Policy Instruments and Carbon Pricing	Cities and Climate Change
<b>Structured Learning</b>	<ul style="list-style-type: none"> <li>• Low Carbon Development Planning and Modelling</li> <li>• Low Carbon Development Investment Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Policies for LED: From Strategy Design to Implementation</li> <li>• Emissions Trading Schemes: Using Markets to Support LED</li> </ul>	<ul style="list-style-type: none"> <li>• Cities and Climate Change Leadership</li> <li>• TRACE: Tool for Rapid Assessment of City Energy</li> </ul>
<b>Knowledge Exchange</b>	<ul style="list-style-type: none"> <li>• Webinar Series "vShare: Climate Change Talks"</li> </ul>	<ul style="list-style-type: none"> <li>• Global Carbon Expo</li> <li>• Regional Carbon Fora in SAR and EAP</li> </ul>	<ul style="list-style-type: none"> <li>• Global Energy Basel</li> </ul>
<b>Collaborative Leadership</b>	<ul style="list-style-type: none"> <li>• 360 Capacity Support (360CS) on LEDS and Climate Finance Program in Malawi</li> </ul>	<ul style="list-style-type: none"> <li>• Regional LEDS Practitioner Networks</li> </ul>	<ul style="list-style-type: none"> <li>• Scaling up Climate Action in Cities Program</li> </ul>

## 2. Work Program Activities 2012–13

### Voices from Participants: Low Carbon Development e-Course Facilitated Delivery, Autumn 2012

**"The learning experience has been great. (The) course content is indepth and method of delivery wonderful."**

R.F.

**"This was a very informative course that really opens your mind to the whole view of low carbon development, the process, steps, institutions and resources. The forum to also meet others in the field is also of great value. Great!"**

D.R.

which is being developed in collaboration with the Climate Investment Funds (CIF), is in an advanced stage of production and is expected to be piloted before the end of 2013. It will compile knowledge and lessons learnt in the first phase of the CIF investment plans, and educate stakeholders on how to design and finance strategic programs that go beyond a project-by-project approach.

In parallel, we have started a collaboration with UNDP and Climate Finance Options (CFO) to work on an e-course on Climate Finance—this course will

provide users a bird's-eye view of the climate finance landscape as well as a basic introduction to the essentials of accessing, sequencing, and deploying climate finance funds.

**Knowledge Exchange:** In May 2012, in partnership with IADB, UNEP, Organization for Economic Development (OECD) and the Government of Honduras, we contributed to a "Regional Dialogue on Effective Climate Finance" in Tela, Honduras. The event brought together representatives from the climate change, development finance

### CF-Assist/vShare Webinars 2012–13, at-a-glance

June 2012: "Achieving Low Carbon Growth: From Innovation to Market Expansion"	Deliberated renewable energy and energy efficiency technologies as important elements in low carbon development strategies
September 2012: "Innovation Policies to Support Low Emission Development"	Elaborated on the importance of innovation in the energy sector and how innovation policies can support a transition towards a low carbon economy
January 2013: "Post-COP Doha: Reflection on the Doha Gateway and the Way Forward"	Discussed the key outcomes of COP-18 in Doha, in particular addressing the question on how the developments from Doha are relevant to Low Emissions Development and Climate Finance practitioners
March 2013: "Financing Energy Efficiency: Lessons from International Experience"	Reviewed the international experience with financing mechanisms such as Energy Efficiency (EE) funds, utility Demand Side Management (DSM) and consumer financing, dedicated credit lines, risk sharing programs, performance contracting and Energy Service Companies (ESCOs), and equity funds

and planning communities to discuss country experiences and innovations on how to make climate finance more effective, and how to mutually learn, both within government departments and across countries.

**Webinars:** This year witnessed a succession of webinars, hosted by the WBI e-Institute under the series "vShare: Climate Change Talks". This has become an established complementary instrument of our capacity building

menu. Invitations are sent to a variety of stakeholders—in particular to alumni of e-courses; participants of global, regional and local knowledge exchange fora; and members of CF-Assist supported collaborative leadership initiatives, such as regional LED practitioner networks.

**Collaborative Leadership:** In collaboration with the WBI Leadership team and the World Bank Africa region, and as an example of full national engagement,



CF-Assist is supporting the Government of Malawi in its Climate Finance Readiness process. Based on consultations as part of a face-to-face training on "Carbon Market Capacity Building: Knowledge Sharing, Capacity Diagnosis, and Roadmap" in August 2012 and following a request by Malawi's Department of Environment, the team has operationalized a 360 Capacity Support (360CS) approach for Climate Finance Low Emissions Development to support the government team working on the country's National Climate Change Investment Plan (NCCIP).

The approach has been piloted in Malawi in April 2013—using a rapid results approach to gain momentum, intermediate results will be available after 100 days. Thereafter, the program will carry on with an emphasis on country ownership, and, when successful, it can be replicated in other countries and regions.

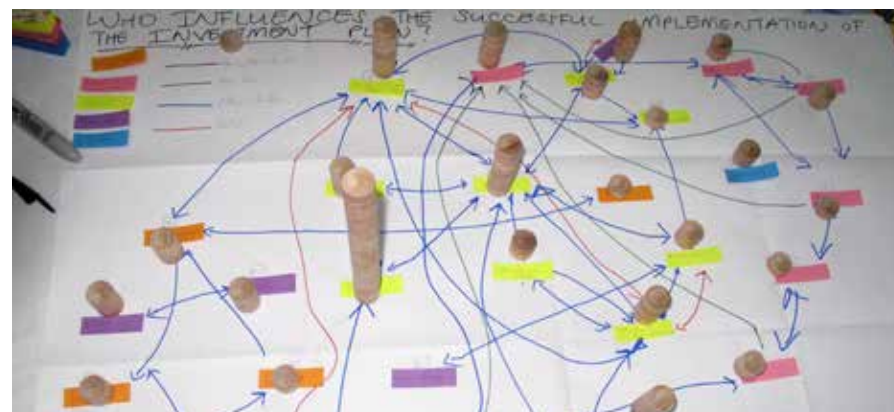
### 2.3. LED Policy Instruments and Carbon Pricing

**Structured Learning:** In addition to continuing delivery of our Carbon Finance (CDM/JI and CDM Programme of Activities (PoA)) e-courses, CF-Assist launched its first course on policy instruments in June 2012, on "Energy Sector Strategies to Support Green

Growth". The e-courses on "Policies for Low Emissions Development: From Strategy Design to Implementation" and "Emissions Trading Schemes (ETS): Using Markets to Promote Low Emission Development", respectively, are currently in advanced stages of production and will be launched soon. Also, additional e-courses and knowledge products are to be developed during the 2013–14 reporting year.

*e-Course deliveries:* Despite the current slow-down in the carbon market, our e-courses on CDM and CDM PoA have been in reasonable demand. 13 participants joined the November delivery of the PoA e-course, and a total of 35 joined our October 2012 and April 2013 deliveries of the CDM course. During these deliveries CDM projects/programmes in more than 20 countries have been identified by course participants, and two PoA as well as four CDM projects already in development have been refined. The Spring 2013 delivery of our PoA e-course is set to commence as this Annual Report goes into production, as of now, 25 participants have registered.

In June 2012, we started an e-course on "Energy Sector Strategies to Support Green Growth" which covers essential aspects of renewable energy and energy efficiency policies and discusses their



### 360 Capacity Support (360CS) Approach

- designed to provide comprehensive capacity development assistance to developing countries
- collaboration with government counterparts, including three distinct components:
  - i. Capacity diagnostic: applying different consultative methods, this approach helps clients define and capture their goals, and identify potential barriers in achieving the stated goals;
  - ii. Action learning: based on the findings from the diagnosis, problem solving oriented face-to-face—and additional e-learning training courses are to be delivered to meet clients' specific needs. Face-to-face learning is designed as a continuation of the consultative process started during diagnosis to identify both short-term and long-term capacity. The results of the diagnosis and action learning will contribute to the development of an action and result oriented roadmap that identifies potential opportunities and concrete next steps to achieving the stated goals;
  - iii. Facilitation for results: Based on the roadmap, 360CS aims to assist clients to connect their priorities to global knowledge, good practices, tested solutions and financing opportunities and to build long term local capacity to achieve their stated goals as defined in the roadmap.



## 2. Work Program Activities 2012-13



contribution to green growth strategies. Both the pilot delivery and first core delivery of this course were well received by more than 75 participants in total. The next delivery of this course is underway as this Annual Report goes into printing. More than 30 participants have registered for this delivery; among them are 20 members of the LEDSGlobal Partnership which we support as a broader capacity building initiative (more information on our work supporting regional LEDSGlobal practitioner networks is provided later).

*e-Course development:* We are currently finalizing production of two additional e-courses—"Policies for Low Emissions

Development: From Strategy Design to Implementation" which will assist participants to plan, design and implement climate-friendly policy instruments to help foster low emissions development pathways (to be piloted in June 2013), and "ETS: Using Markets to Promote Low Emission Development" which will inform policy planners and climate change action practitioners on the rationale behind emissions trading and how ETS can be implemented in practice. This course is expected to be piloted by December 2013. For development of the ETS e-course, in order to identify lessons learnt, we are collaborating with the Partnership for Market Readiness (PMR).

**" I think it is a very good avenue for people to learn, share knowledge, meet people and network. "**

HABIBA AHMED ALI,  
Managing Director, SOSAI Renewable Energies Co., Nigeria

These lessons can also be shared with non-PMR countries.

*Face-to-Face training:* In October, we delivered a "Regional Francophone Capacity Building Workshop on CDM Reform and Carbon Finance" in Dakar, Senegal. The event brought together stakeholders from Francophone Africa and provided them with a comprehensive overview on latest developments in CDM (including standardization of baselines), new approaches for financing mitigation activities, as well as the emerging structures of new market mechanisms.

**Knowledge Exchange:** Since its inception, CF-Assist has, in collaboration with various partners, supported knowledge exchange fora at global, regional and local level on emerging topics. These fora provide an ideal learning and meeting place for our stakeholders, and the agendas of these events are being adjusted each year to cover new developments in the international climate change action arena.

*Global Carbon Expo:* The ninth edition of the Carbon Expo took place in Cologne, Germany, from May 30 until June 1, 2012. Despite the current depressed carbon market conditions, the three-day-event was attended by 2,600 participants from 95 countries (with over 200 exhibitors from more than 60 countries).

Prior to the Carbon Expo 2012, we hosted a consultation workshop called the *World Bank Carbon Market Expert Group*. This workshop spanned over two days before the commencement of the main event and discussed a variety of topics on CDM reform issues, new market mechanisms, Reducing Emissions from Deforestation and forest Degradation (REDD), etc., to name a few. The team also organized a *Carbon and Climate Finance Knowledge Corner*—in partnership with the IADB, Fundación Torcuato Di Tella, Greenhouse Gas Management Institute (GHGMI), CFO, UNDP and UNITAR.

As this Annual Report is being finalized, preparations are afoot for the Carbon

Expo 2013, which celebrates its tenth anniversary this year. In the words of one of its earliest proponents, Ken Newcombe, CEO of C-Quest Capital LLC, and former Manager of the World Bank Carbon Finance Business unit, *"Our vision for Carbon Expo was a forum where the developing countries and developers could meet carbon buyers, become well informed on costs and prices, and do business quickly and efficiently, face to face. There is no doubt this vision has been met. The World Bank originated the Forum and handsomely funded host country representation in the early years. Before long, the developing countries, private sector, and governments supported much larger participation as the experience was rewarding; every major buyer and service provider felt they had to be there, too. As a private sector market participant after the first two Expos, I experienced firsthand the convenience of doing business there. Even three days was not enough to touch base with everyone I needed to, but without Expo some deals would simply never have got done. Long live the carbon market and long live Carbon Expo."*

This year's Expo will again be hosted in Barcelona, Spain—co-organized by the International Emissions Trading Association (IETA), Fira Barcelona, and CF-Assist. Reflecting the evolving



themes around climate change action, the plenary and conference sessions will be distributed in three thematic streams—LED Policies & Measures, Climate Finance and Clean Technologies. *"The World Bank Group has been co-organizing the Carbon Expo since 2004. Now more than ever we need to signal to the world that the Carbon Expo is an event in which we reaffirm our confidence, and it is still able to attract market participants in sizeable numbers. The conference program and exhibition space of the Carbon Expo 2013 are being tailored to the evolving knowledge needs on climate finance. The event will provide a platform for climate change action stakeholders to*

*showcase the advancements in their LED work and promote their climate finance products to potential investors while learning more details about scaled-up project types and business approaches",* says Neeraj Prasad, Manager of the WBI Climate Change Practice.

CF-Assist is also supporting several regional fora. The India Carbon Conclave was hosted in September 2012 in New Delhi. The event was attended by over 200 participants, and co-organized with the Indian Ministry of Environment and Forests, the Federation of Indian Chambers of Commerce and Industry (FICCI), as well as with a new partner—the German Federal Ministry for the

Environment, Nature Conservation and Nuclear Safety (GIZ). This year's agenda was modified to ensure a continued relevance for the Conclave, and given a much wider focus beyond carbon markets. The panelists deliberated over topics such as the National Action plan for Climate Change, options for developing NAMAs, new market mechanisms and the future of the CDM, and, the role of state governments and urban local bodies in climate change.

As this Annual Report goes into production, preparation for the fifth Africa Carbon Forum is in progress under the theme, 'Promoting Access to Low-Carbon Development in Africa'. The event is scheduled for July 2013, in Abidjan, Cote d'Ivoire, and will be co-organized by the Nairobi Framework partners. Besides an update on the state and trends of the carbon market, with particular regard to CDM Programme of Activities and related opportunities in Africa, participants will learn about the latest policy developments at national and international level, such as prospects for new market-based mechanisms to enhance the cost-effectiveness of climate mitigation actions. A variety of mitigation instruments will be discussed, including LEDS and NAMAs, as well as market-based policy measures such as carbon taxes, and domestic cap-and-trade.

## 2. Work Program Activities 2012-13

Also underway are the arrangements for the next Latin America Carbon Forum, to be held in August 2013, in Rio de Janeiro, Brazil, and organized by the UNFCCC, UNEP Risoe, the Latin American Energy Organization (OLADE), IADB, IETA and CF-Assist. This Regional Forum will attract developers of low carbon projects, financiers, the private sector, forestry specialists and government agencies, and will also provide a platform for the host city to showcase its work on the Rio de Janeiro Low Carbon City Development Program (LCCDP).

**Collaborative Leadership:** In support of the global effort to develop LEDS at the national level, the CF-Assist program is fostering the development of regional LEDS practitioner networks in Asia, Latin America, and Middle East and North Africa.

These networks are policymaker and practitioner platforms, bringing together representatives across countries, ministries and other key stakeholder groups. Their overall objective is to catalyze mitigation action by harboring knowledge and experience sharing and supporting national expert teams in mastering and applying concepts, challenges and opportunities related to LEDS planning and financing.

Since March 2012, CF-Assist has joined a consortium of government agencies, regional research organizations and international development agencies in the LEDS Global Partnership (LEDS GP). This intends to enhance coordination, South-South-North knowledge exchange, and collaborative action among countries working to advance low emissions development. In Asia and Latin America, CF-Assist has been instrumental in establishing regional platforms under the LEDS GP.

The Latin America platform of the LEDS GP was launched at an event in Alajuela,

Costa Rica, from November 12 to 14, 2012. More than 110 LEDS practitioners and champions from 22 countries in the region attended the event. Key outcomes of this regional dialogue among LEDS leaders, practitioners and experts included (i) identification & ranking of key issue areas for the regional network; (ii) establishment of work streams & working groups for peer-to-peer collaboration (related to policy planning, analytical tools, financing, and select sectors (energy, agriculture, transport)); (iii) collaboration/coordination mechanisms among LEDS programs and initiatives, as well as prioritized

modalities and tools for knowledge sharing activities.

Moving forward, the team will collaborate with regional partners to support the capacity development and knowledge exchange program of this regional LEDS Practitioner Network, inter alia, in the delivery of webinar series on LEDS for the Spanish-speaking community, and the facilitation of a web-based open community of practice to promote information sharing, networking and online collaboration among Latin American LEDS practitioners and policymakers. Also, network members from all regions are being invited to join facilitated deliveries of our e-courses—such as the upcoming delivery of the course on “Energy Sector Strategies to Support Green Growth”.

In collaboration with other international organizations, led by United States Agency for International Development (USAID), the CF-Assist team representing the World Bank met at the first Asia LEDS Forum in September 2012 in Bangkok, Thailand to establish a new Asia LEDS Platform to promote low-emissions, climate-resilient development across the region. The East Asia mitigation network focuses its work in six countries (China, Indonesia, Malaysia, Philippines, Thailand and Vietnam). The CF-Assist team is working with country





teams to develop tools for LEDS and NAMAs in a learning-by-doing approach, with the first step being to identify projects of interest. Members of the network were also participants in the Carbon Forum Asia, hosted in Bangkok, in October 2012, where the team presented a side event on the "Links between Carbon and Climate Finance", discussing how Asian economies can benefit from these instruments.

In the Middle East and North Africa (MNA), the 'MNA Network on Low Carbon Development for Inclusive Growth' was launched in September 2012, in collaboration with UNEP and UNEP Risoe. The network brings together government officials, expert practitioners, advocates of low carbon development from five MNA countries (Egypt, Jordan, Lebanon, Morocco and Tunisia). This initiative will combine several regional workshops, video conferences and webinars, in addition to providing technical support to practitioners in designing potential NAMA proposals. Through the inclusion of government, industry, academia, and civil society representatives working in low carbon development, the network intends to contribute to inclusive and sustainable growth.

In December 2012, the MNA team, in collaboration with the Energy



Sector Management Assistance Program (ESMAP) and the Regional Center for Renewable Energy and Energy Efficiency (RCREEE), hosted a webinar on "Introduction to Low Carbon Development Planning Tools". This webinar provided an introduction to low carbon development and, in particular, focused on the use of analytical tools developed by the World Bank, i.e. Energy Forecasting Framework and Emissions Consensus Tool (EFFECT), and Marginal Abatement Cost (MAC) Tool, and introduced the e-course on 'Low Carbon Development: Planning and Modeling' to the participants. In early March 2013,

the team hosted a video conference featuring expert presentations on NAMA concepts and practical guides. The five network countries from the MNA region were connected, as well as sites in Copenhagen and Bonn—in the latter, UNFCCC shared the new NAMA registry template.

## 2.4. Cities and Climate Change

**Structured Learning:** In the priority area of Cities and Climate Change, we currently run a curriculum of three e-courses—(i) 'Cities and Climate Change Leadership'; (ii) 'Saving Energy through

Energy Savings Performance Contracts'; and, (iii) 'TRACE—How to Use the Tool for Rapid Assessment of City Energy'. Two additional courses—on 'Energy Efficiency in Public Buildings' and 'How to Develop an Energy Services Business', respectively—are currently in production.

*e-Course deliveries:* Our 'Cities and Climate Change Leadership' e-course, which discusses how urban areas can lead climate actions and mainstream mitigation and adaptation measures into their development plans, was delivered in November/December 2012. 15 participants—city councilors, committee members, planners and development officers, advisors—took part in this delivery. A second delivery is set to commence as this report is being finalized; currently, more than 75 participants have registered.

In October 2012, we delivered the autumn segment of the e-course 'Saving Energy through Energy Savings Performance Contracts' (the spring 2013 delivery is ongoing as this report is being finalized), and in December the e-course on 'How to Use the Tool for Rapid Assessment of City Energy (TRACE)'. TRACE, which was developed jointly with ESMAP, was successfully launched in May 2012, reaching more than 90 participants. The course is primarily being offered in self-paced format.

## 2. Work Program Activities 2012-13



*e-Course development:* The production of the course 'Energy Efficiency in Public Buildings', which will equip stakeholders with technical and program management skills, tools and knowledge on the "how" of identifying, developing and implementing Energy Efficiency (EE) programs in public buildings, is ongoing. The course is expected to be launched in September 2013.

Also in production is an e-course on 'How to Develop an Energy Services Business' (working title). This course will cover a range of topics, i.e. an overview of energy services business opportunities and related models, economics and financing aspects, marketing strategies, as well as risk management and MRV issues. The course production is expected to be finalized in calendar year 2013.

Alike the 'Saving Energy Through Energy Savings Performance Contracts' and 'How to Use the TRACE' courses, the 'EE in Public Buildings' and 'How to Develop an Energy Services Business' courses are being co-funded by CF-Assist, in support of the *Scaling up Climate Friendly Energy Efficiency Policies across South East Europe* program which has been funded chiefly under a Trust Fund from the Austrian Government with an objective to help develop and scale up climate-friendly energy efficiency policies in the Western Balkan countries by means of comprehensive learning and capacity building activities.

CF-Assist supported the program on *Scaling up Climate Friendly EE Policies across South East Europe*, which focused on Kosovo, Macedonia and Serbia, and ended in April 2013 with a "Regional Workshop on Climate Change Mitigation and Energy Efficiency across South East Europe". The achievements of this

three-year-initiative were presented as: (i) enhanced understanding and skills relevant to energy efficiency; (ii) raised awareness of good practices; (iii) informed governments of the technical potential and investment needs of energy efficiency, as well as possible financing options for implementation. Country-specific studies provided technical inputs to help governments finalize some of their regulations/legislations and build consensus nationally around the financing issues of EE; and, (iv) identified country-specific financing opportunities for energy efficiency programs relevant to climate change.

In addition to these outcomes, and in order to ensure the sustainability of efforts and achievements beyond the program, the team also worked to develop a regional partnership with the Network of Associations of Local Authorities of South-East Europe (NALAS) as a knowledge hub for the region. This capacity building support included helping NALAS to institutionalize and operationalize its e-learning platform, develop capability to independently deliver e-courses in the future, and to provide support for energy efficiency programs. WBI's e-Institute has also initiated a wider WBI-NALAS collaboration to wholesale e-learning.

**Knowledge Exchange:** In June 2012, CF-Assist contributed to an international seminar in Tianjin, China, on 'Low Carbon Cities Development in China', by supporting the design of the event's program and agenda, and the presentation of 'A Climate Finance Primer: Supporting Green Growth'.

Also as part of our engagement with the East Asia and Pacific (EAP) region, CF-Assist has financed the final concept and outline business plan report for the 'East Asia and Pacific Regional Center of Excellence for Waste Management'. Once operational, the regional Center of Excellence is expected to fill the gap in access to knowledge, advisory and advocacy services that countries find as they look for solutions to overcome the overwhelming challenges to effective and sustainable waste management practices that some of them face, as their population, economies and cities, and the income of their citizens continue to grow. One of the main consultations in preparation of the report took place during Carbon Expo 2012 in Cologne, where CF-Assist brought the stakeholders together. *"This was a wonderful example of bringing the CF-Assist program directly into the Bank's work to convene our client countries in the EAP region, to create the space for them to work together on the critical development issue of waste*



**"We have a great calendar throughout the next years with the Olympics and the World Cup, and a lot of investments will be done in the city. So, it's a time to re-invent the city (...) and bringing a low carbon view of the future."**

RODRIGO ROSA,  
Special Advisor to the Mayor; City of Rio de Janeiro, Brazil

*management that they face, that also has significant climate impacts. By bringing the countries together in this way, they realized that sharing their collective knowledge through this platform and when added to their own financial resources could be a game changer in terms of sustainably managing their waste sector,"* said James Orehmie Monday, Senior Environmental Engineer in the Bangkok World Bank Country Office.

In January 2013, the CF-Assist team once again participated in the Global Energy Basel and on that occasion presented the Rio de Janeiro Low Carbon City Development Program (LCCDP) during a session on 'Best Delivery Structures for Financing Public Goods'.

**Collaborative leadership:** Our team has initiated a comprehensive capacity building program on 'Scaling up Climate Action in Cities.' Drawing on previous experience of the Carbon Finance Capacity Building (CFCB) program, work

in the City of Amman, on-going support to the Rio de Janeiro LCCDP, and the Colombo Green Growth Program (CGGP), this initiative aims to support the development of sustainable, climate-friendly cities through knowledge services and technical capacity support to urban practitioners on how to develop and finance multi-sector, city-wide climate change action programs.

*Innovation for Cities:* On the occasion of Rio+20, at the margins of the UN Conference on Sustainable Development held in June 2012, the City of Rio de Janeiro, Brazil, launched the Rio Low Carbon City Development Program (LCCDP). This is a comprehensive, cross-sectoral climate change mitigation program at the sub-national level that integrates low carbon concerns into the process of identification, assessment and approval of projects and policies within a developing country city. The program is expected to enable all future decisions in the city to be reviewed through a climate lens.

The LCCDP is being supported by CF-Assist in collaboration with the World Bank's regional team. In 2012, the program was certified using a combination of ISO (International Organization for Standardization) environmental and GHG standards by an environmental auditor, DNV (Det Norske Veritas). In its initial assessment, DNV concluded that when implemented as designed, the Program is likely to contribute to the achievement of Rio de Janeiro's climate change mitigation goals. The LCCDP and the certification framework are pioneering efforts to enable cities around the world to access climate and carbon finance resources to invest in low carbon development.

Through the Colombo Green Growth Program, the team seeks to integrate low carbon development with adaptation and resilience aspects of the climate challenge. The Colombo program, which is still in early stages of development, aims to assess and quantify the sustainability benefits from each project and policy proposal in the urban area, allowing investments to be channeled to the most sustainable option possible.

The experiences from these pilots and relevant global knowledge products will also be shared virtually through an online platform, i.e. a web-based guide on 'How to develop city-wide climate



*change programs',* which is expected to be launched by January 2014. In addition, the program is actively building a network of institutions and partners to scale-up activities in Cities.

## 2. Work Program Activities 2012-13

Distribution of CF-Assist Activities, 2012-13



# Future Outlook



### 3. Future Outlook

The 2012–13 reporting year has been a crucial one for the international climate change action community—with the Doha Gateway, the Kyoto Protocol was extended for a Second Commitment Period until 2020. At the same time, it has become ever more evident that Carbon Finance—while still relevant, particularly in Africa and in support of poverty eradication efforts—alone will not suffice to address the daunting task ahead to keep our planet on target for a maximum temperature raise of two degrees Celsius by 2100.

Scaled up climate change action through a comprehensive, complementary set of instruments will be needed to achieve the emission reduction targets at both national and global levels—the international framework architecture, and mechanisms for implementation at the local level are being established.

LEDS, NAMAs and policy instruments such as ETS and carbon taxes are emerging and fine-tuned to support (in combination with scaling up of available technologies and financing e.g. through the Green Climate Fund (GCF)) climate action.

With the variety and complexity of current and potential instruments increasing, the requirements, in terms of actors' skill sets, are also increasing.



The demand for knowledge and capacity building services is, hence, as high as ever, in particular as stakeholders are increasingly aware that "early movers" in terms of climate action have a higher chance of being rewarded.

Through its evolving work program priorities—focusing on Climate Finance Readiness; LED Policy Instruments and Carbon Pricing; and, Cities and Climate Change—and interlinked business lines, CF-Assist has a robust conceptual and operational framework in place which also allows sufficient flexibility to adjust to new developments evolving from the climate change negotiations, hence in-time preparation and implementation

of comprehensive capacity building initiatives.

For the year ahead, CF-Assist will continue to deliver and further develop its curriculum of learning products, global and regional knowledge exchange events, and collaborative leadership initiatives, together with further strengthening its strategic partnerships and collaborations with external and internal partners.

Some of the exciting new products and services that will be developed and launched over the next year include new e-courses and learning material in support of our Climate Finance, LED

Policy Instruments and Cities portfolios; additional scaling up of the reach of our knowledge products and capacity building services through global and regional implementation partners; and, online practitioner portals and collaborative platforms on LED and city-wide climate change programs.





## Annex 1: List of CF-A Events for 2012–13

Month	Event	Location	Participants	# of days	Region
2012					
May	Regional Dialogue on Effective Climate Finance	Tela, Honduras	90	3	LAC
May	World Bank Carbon Market Expert Group (Dialogue on Carbon Finance Post-2012)	Cologne, Germany	60	2	Global
May / June	Carbon Expo 2012	Cologne, Germany	2,600	3	Global
May / June	TRACE e-Course, pilot delivery	Online	90	46	Global
June	Energy Sector Strategies to Support Green Growth e-Course, Pilot Delivery	Online	50	12	Global
June	vShare Climate Change Talks Webinar Series: Achieving Low Carbon Growth—From Innovation to Market Expansion	Virtual	60	1	Global
June	Seminar on Low Carbon Cities Development in China	Tianjin, China	120	2	EAP
August	Carbon Market Capacity Building: Knowledge Sharing, Capacity Diagnosis, and Roadmap	Lilongwe, Malawi	42	3	AFR
September	Regional MNA Workshop on Low Carbon Development for Inclusive Growth	Marseilles, France	54	3	MNA
September	Carbon Conclave India	New Delhi, India	200	2	SAR
September	vShare Climate Change Talks Webinar Series: Innovation Policies to Support Low Emissions Development	Virtual	95	1	Global
September	Asia Low Emission Development Strategies Forum	Bangkok, Thailand	150	4	EAP
September/October	Low Carbon Development e-Course, Autumn 2012	Online	25	28	Global
October	Carbon Forum Asia	Bangkok, Thailand	200	2	EAP
October	Regional Francophone Capacity Building Workshop on CDM Reform and Carbon Finance	Senegal, Dakar	22	2	AFR
October	CDM/JI e-Course, Autumn 2012	Online	18	29	Global
October	Saving Energy through Energy Savings Performance Contracts e-Course, Autumn 2012	Online	8	23	Global
October / November	Energy Sector Strategies to Support Green Growth e-Course, Autumn 2012	Online	28	23	Global
November	Latin America and Caribbean LEDS Practitioner Network Launch Event "Regional South-South Knowledge Exchange on Policy Instruments to Support LED"	Alajuela, Costa Rica	110	2	LAC
November	CDM PoA e-Course, Autumn 2012	Online	13	14	Global
November	Regional Conference for Policy Makers: Review of National Plans on Financing and Implementation Options for EE Programs in Building Sector	Vienna, Austria	24	2	ECA

Month	Event	Location	Participants	# of days	Region
November / December	Cities and Climate Change Leadership e-Course, Autumn 2012	Online	15	9	Global
December	TRACE: How to Use the Tool for Rapid Assessment of City Energy e-Course	Online	6	30	ECA
December	Webinar on "Introduction to Low Carbon Development Planning Tools"	Virtual	30	1	MNA
<b>2013</b>					
January	vShare Climate Change Talks Webinar Series: Post-COP Doha—Reflection on the Doha Gateway and the Way Forward	Virtual	67	1	Global
January	Global Energy Basel	Basel, Switzerland	150	2	Global
February / March	Economics of Climate Resilient Development e-course, pilot delivery	online	50	30	Global
March	vShare Climate Change Talks Webinar Series: Financing Energy Efficiency - Lessons from International Experience	Virtual	105	1	Global
March	Videoconference "How to Develop a NAMA"	Virtual	16	1	MNA
March / April	Low Carbon Development e-Course, Spring 2013	Online	31	28	Global
April	CDM/JI e-Course, Spring 2013	Online	17	29	Global
April	Regional Conference on Energy Efficiency and Climate Finance in South East Europe	Vienna, Austria	24	2	ECA
May	CDM PoA e-Course, Spring 2013	Online	25	12	Global
May	Energy Sector Strategies to Support Green Growth e-Course, Spring 2013	Online	33	31	Global
May	Saving Energy through Energy Savings Performance Contracts e-Course, Spring 2013	Online	14	19	Global
May	Cities and Climate Change Leadership e-Course, Spring 2013	Online	38	19	Global
<b>TOTAL</b>			<b>4680</b>		

## Annex 2: Distribution of Events and Event Participation

### Regional Events and Carbon Fora 2012–2013

Region	Number of Participants
AFR*	64
EAP	470
ECA	54
LAC*	200
MNA	100
SAR	200
<b>TOTAL</b>	<b>1,088</b>

AFR\*and LAC\*: No regional carbon fora took place during the reporting period in these two regions (they will take in July and August 2013, respectively), hence overall number of participants has been effected accordingly.

### Participants in facilitated e-learning courses 2012–13

e-Course	Number of Participants
CDM/JI Autumn 2012	18
CDM/JI Spring 2013	17
PoA Autumn 2012	13
PoA Spring 2013	25
LCD Autumn 2012	25
LCD Spring 2013	31
Cities & CC Autumn 2012	15
Cities & CC Spring 2013	38
TRACE (pilot) Summer 2012	90
Energy Sector Strategies (pilot) Summer 2012	50
Energy Sector Strategies Autumn 2012	28
Energy Sector Strategies Spring 2013	33
Energy Savings Performance Contracts Autumn 2012	8
Energy Savings Performance Contracts Spring 2013	14
Economics for Climate Resilient Development (pilot) Spring 2013	50
<b>TOTAL</b>	<b>455</b>

### Global Events / Carbon Expo 2012–13

Event	Number of Participants
World Bank Carbon Market Expert Group	60
Carbon Expo	2600
Global Energy Basel	150
Global Webinars: vShare Climate Change Talks	327
Facilitated e-Learning Courses (aggregate)	455
<b>TOTAL</b>	<b>3,592</b>

### Event Participation 2005–2013 (number of participants per year, and aggregate)

2005–2006	4106
2006–2007	5295
2007–2008	5005
2008–2009	5848
2009–2010	5822
2010–2011	4989
2011–2012	6451
2012–2013	4680
<b>TOTAL</b>	<b>42196</b>

### Annex 3: List of Acronyms

<b>360CS</b>	360 Capacity Support	<b>LCCDP</b>	Low Carbon City Development Program
<b>AFR</b>	Sub-Saharan Africa	<b>LEDs</b>	Low Emissions Development Strategies
<b>CDM and JI</b>	Clean Development Mechanism and Joint Implementation	<b>LEDs GP</b>	Low Emissions Development Strategies Global Partnership
<b>CDM PoA</b>	Clean Development Mechanism Programme of Activities	<b>M &amp; E</b>	Monitoring & Evaluation
<b>CEO</b>	Chief Executive Officer	<b>MAC</b>	Marginal Abatement Cost Tool
<b>CF-Assist</b>	Carbon Finance-Assist	<b>MNA</b>	Middle East and North Africa
<b>CFCB</b>	Carbon Finance Capacity Building	<b>MRV</b>	Monitoring, Reporting and Verification
<b>CFOs</b>	Climate Finance Options	<b>NALAS</b>	Network of Associations of Local Authorities of South-East Europe
<b>CGGP</b>	Colombo Green Growth Program	<b>NAMAs</b>	Nationally Appropriate Mitigation Actions
<b>CIFs</b>	Climate Investment Funds	<b>NCCIP</b>	National Climate Change Investment Plan
<b>COP</b>	Conference of the Parties	<b>NGO</b>	Non Governmental Organisation
<b>DNV</b>	Det Norske Veritas	<b>NMM</b>	New Market Mechanism
<b>DSM</b>	Demand Side Management	<b>OECD</b>	Organization for Economic Development
<b>EAP</b>	East Asia Pacific	<b>OLADE</b>	Latin American Energy Organization
<b>EE</b>	Energy Efficiency	<b>PCF</b>	Prototype Carbon Fund
<b>EFFECT</b>	Energy Forecasting Framework and Emissions Consensus Tool	<b>PMR</b>	Partnership for Market Readiness
<b>ESCOs</b>	Energy Service Companies	<b>POA</b>	Programme of Activities
<b>ESMAP</b>	Energy Sector Management Assistance Program	<b>R &amp; D</b>	Research and Development
<b>ETS</b>	Emissions Trading Schemes	<b>RCREEE</b>	Regional Center for Renewable Energy and Energy Efficiency
<b>FICCI</b>	Federation of Indian Chambers of Commerce and Industry	<b>REDD</b>	Reducing Emissions from Deforestation and forest Degradation
<b>GCF</b>	Green Climate Fund	<b>SAR</b>	South Asia Region
<b>GHGMI</b>	Greenhouse Gas Management Institute	<b>SSKE</b>	South South Knowledge Exchange
<b>GHG</b>	Greenhouse Gas	<b>TRACE</b>	Tool for Rapid Assessment of City Energy
<b>GIZ</b>	German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety	<b>UNDP</b>	United Nations Development Programme
<b>IADB</b>	Inter-American Development Bank	<b>UNEP</b>	United Nations Environment Programme
<b>IETA</b>	International Emissions Trading Association	<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>ISO</b>	International Organization for Standardization	<b>UNITAR</b>	United Nations Institute on Training and Research
<b>KfW</b>	Kreditanstalt für Wiederaufbau (German)	<b>USAID</b>	United States Agency for International Development
<b>LAC</b>	Latin America and Caribbean	<b>WBI</b>	World Bank Institute
<b>LCD</b>	Low Carbon Development	<b>WBICC</b>	World Bank Institute Climate Change Practice



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