



CF-Assist Annual Report 2014

Promoting Low Emissions Development Strategies



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Capacity Building

Low Emissions Development

Carbon Pricing

Climate Smart Agriculture

Knowledge Sharing

Green Growth

New Market Mechanisms

Climate Finance

NAMAs

Sustainable Energy

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Foreword



Neeraj Prasad
Manager, Climate Change
World Bank Group

The science is clear: Human activity is the cause of global warming, and major changes—from the thinning of polar ice in the Arctic to droughts in Asia—are already being observed. Recent experience is a stark reminder that no country—rich or poor—is immune from the impacts of climate-related disasters today.

A few months ago, the 39th Intergovernmental Panel on Climate Change (IPCC) once again warned us about the severity of climate change outcomes. We need to bear in mind that, the sooner we start to tackle the problem, the better our chances of fixing it and, more importantly, the lower the cost. However, combating climate change won't be easy. The IPCC report confirms that we need to act now because the window for action is closing quickly. What is worse is that we are still arguing about how to deal with climate change to achieve agreement by COP 21 in 2015. Without bold action now, a warming planet threatens to put prosperity out of reach of millions and

roll back decades of development. That is why we at the World Bank Group (WBG) are stepping up our mitigation, adaptation, and disaster risk management work, and will increasingly look at all our business through a climate lens.

We have to ensure that the WBG has the best evidence of climate impact on the poorest and the most valuable tools for climate action, focusing on carbon pricing, subsidy reform, climate-smart agriculture, livable cities, and energy. We need to embed climate risk, opportunity, and resilience into everything we do: country strategies, internal processes, learning and knowledge. We plan to develop climate indicators across WBG and harmonize them with partners. Last but not least, we must mobilize finance for low carbon growth and resilient investment.

The CF-Assist Trust Fund is keenly focused on these new visions of the Climate Change Group. By translating knowledge into action through learning, CF-Assist

has built capacity on the "know-how" of climate finance and low carbon development. This year, CF-Assist has delivered high quality capacity building activities. We also managed to adapt to newer ways of doing things, by scaling up our online presence and collaborating with partners on a higher level. In particular, we successfully supported the 1st ever WBG MOOC on "Turn down the Heat: Why a 4°C Warmer World Must be Avoided" with over 19,000 people participating from around the world. The team also continued to collaborate with partners to leverage national and regional climate finance instruments, which benefited policy makers and practitioners. All these achievements have been made by a small team providing the most down-to-earth knowledge products to policy makers, businesses, and the general public.

Looking ahead, we see unprecedented demand for WBG to advance knowledge and advisory services on climate change, from support to lending and convening

services, to delivering cross-cutting solutions.

Over the years, I have repeatedly wondered what government and private entities most need to do in order to combat climate change. Whatever the answer to that, one thing is certain: Climate action will happen only if we have the necessary knowledge, and knowledge will not translate into practice without learning. Learning products are indispensable for making climate action a reality.

Through this journey, we have been sustained by the continuous support from our donors in Spain and Switzerland. Their guidance has been instrumental in reshaping the contents of our program. We look forward to continuing with this engagement.

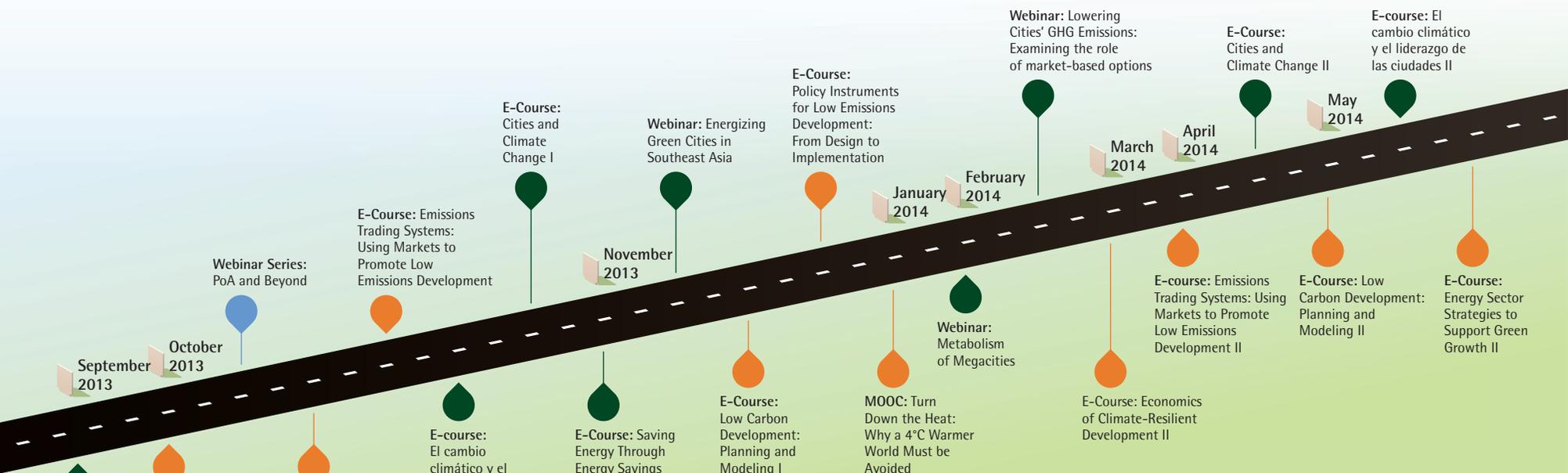
2013–14 Milestones

Face-to-face Activities

- The 10th anniversary of Carbon Expo converged 2,200 visitors from over 100 countries
- Over 500 participants attended 3 LEDS GP events in Asia, Latin America and Africa
- A wide variety of topics discussed by more than 1,100 participants during 3 regional knowledge sharing fora

	 Climate Finance
	 Policy Instruments and Carbon Pricing
	 Cities and Climate Change





Online Knowledge Sharing

- 14 E-courses and 17 webinars attended by over 3,200 learners representing all regions around the world
- Over 11,000 active learners participated in the 1st ever World Bank Group MOOC course "Turn Down the Heat: Why a 4°C Warmer World Must be Avoided"
- 95% of participants rated 4 out of 5 on all the E-courses facilitated throughout 2013–2014
- The "PoA and Beyond" webinar series, in collaboration with UNDP, gathered over 300 participants of which more than 40 are members in related Community of Practice on the Climate Finance Options platform

1. CF-Assist: 2013–14

“CF-Assist is a global capacity building program that helps key stakeholders in client countries to advance their work on climate finance and low emissions development using a mix of tools including innovative online learning products, knowledge sharing platforms and collaborative leadership programs.”

CF-Assist is a multi-donor trust fund program, currently supported by Spain and Switzerland.¹ It was initially designed to help developing countries and economies in transition to participate in the carbon market and benefit from the flexible mechanisms under the Kyoto Protocol. Despite its relatively small size, CF-Assist has been able to leverage partnerships strategically and build on existing platforms to reach

¹ CF-Assist is currently supported by Spain and Switzerland; the program was also originally supported by Australia, Denmark and France.

a large number of practitioners in all regions, in a cost-effective manner.

Since 2009, CF-Assist has expanded its original scope and set strategic targets that respond to dynamic corporate and global priorities, such as the ongoing negotiations for a new international climate change regime, the World Bank's Strategic Framework on Development and Climate Change, poverty reduction and green growth agendas.

The program has delivered great value over the years. Close to 5,000

stakeholders across the globe have taken CF-Assist facilitated e-courses since 2010; this is a testament to the program's unique capacity to scale-up knowledge and reach audiences that would not otherwise have access to such a wealth of information.

As part of the Climate Change Vice-Presidency, CF-Assist is now fully complementing other key climate change initiatives, including Policy & Finance, Partnership for Market Readiness (PMR), and Climate Investment Funds (CIFs). CF-Assist has its unique specialization in knowledge, learning and partnerships for climate policy and finance. While the CIFs focus on programmatic climate finance delivery, the Carbon Funds focus on carbon finance, and the PMR provides technical assistance to build market readiness and utilize innovative instruments, CF-Assist is specifically dedicated to capturing and enhancing knowledge, learning and coalitions on climate finance and policy. With a global scope and reach, CF-Assist has converted this knowledge into pioneering learning products and knowledge exchange activities that are available to policy makers around the world, thus spurring mitigation action for long-lasting impacts in the context of sustainable development.

CF-Assist's evolving work program focuses on three strategic priority areas²:

- Climate Finance

Containing global temperatures below 2 degrees Celsius above pre-industrial levels will require a global transformation in production and consumption processes. The scale of the financial challenge to achieve this transformation is in the order of hundreds of billions of US dollars. The financing available and the capacities to absorb resources vary across different countries; whereas developed countries have internal capacities to generate and use climate finance, many developing countries lack the financial resources necessary or the institutional, policy, and skills systems to use climate finance effectively.

Therefore, actions to promote low-emission and climate-resilient development must be largely public

² The majority of activities under the CF-Assist work program overlap with each other. For example, some listed below under Climate Finance may also be relevant to Policy Instruments and Carbon Pricing. While we categorize our events into three program areas, please note that they also integrate with each other and form part of the overall CF-Assist work program.



policy-based and private sector financed, where international public finance is used catalytically alongside much larger capital flows. For climate finance to be effective, the international community must do more than simply increase resource flows toward isolated local interventions.

- Policy Instruments & Carbon Pricing

As the world shakes off the constraints of deep recession, increased focus on climate change policy has become possible again. Despite the arduous international climate negotiations, several economies are planning or refining domestic actions in carbon markets. These activities take careful note of past experiences, mirroring successes and addressing weaknesses.

During this transitional period for the carbon market, it is the continued traction at regional, national and sub-national levels that shows some promise for the future. For instance, actions at the domestic level have the potential to collectively overcome the international regulatory gap. Today, nearly 40 countries and over 20 sub-national jurisdictions are putting a price on carbon.

1. CF-Assist: 2013–14

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 not only provide Greenhouse Gases (GHG) reduction benefits, but also a range of co-benefits such as reduced air pollution, increased efficiency and productivity, reduced energy costs, and green jobs.

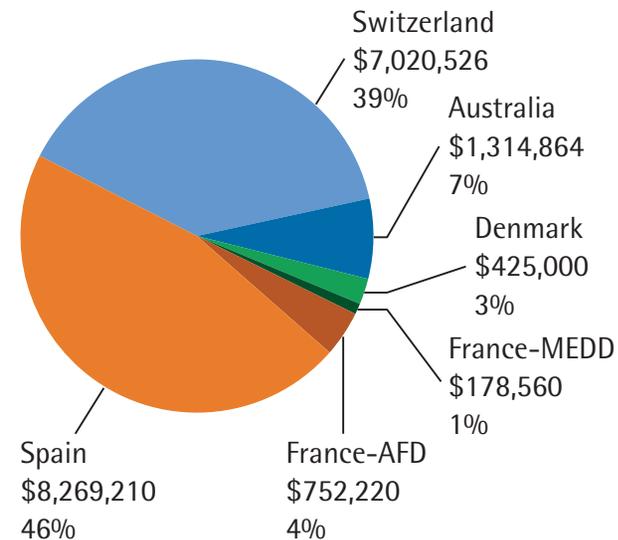
- Cities & Climate Change

Cities face competing priorities and resource constraints in prioritizing climate action, irrespective of their socio-economic profile. In developing countries, the challenge is more acute and is a barrier to scaling up smaller successful projects to a citywide level. 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 the cities' ability to act at times faster and more efficiently than national entities—as they can be governed by local rather than national or international policies—makes them major players in the climate action arena.

The CF-Assist capacity building approach has been further replicated by other World Bank teams, i.e. in the space of sustainable energy access, under the umbrella of "Incubating Innovation for Rural Electrification". The "Low Carbon Sustainable Rural Electrification" workshop delivered in Malawi in March 2014 brought together 58 participants and created an enabling environment for sharing private sector-led approaches to the provision of clean decentralized energy to rural populations in Malawi. The initiative has also built a strong global community of over 800 members sharing knowledge and best practices for extending the delivery of sustainable energy to rural populations living off the grid of the developing world, on a commercial basis.

Donor Contribution (in USD \$)



*Accumulated Funds Received from 2006 to 2014: \$17,960,380 (Source: Donor Center)

2. CF-Assist Work Program Activities

2.1 Climate Finance

First Forum of the Standing Committee on Finance

On the margins of the Carbon Expo 2013, CF-Assist co-organized the First Forum of the Standing Committee on Finance in partnership with the UNFCCC Secretariat. During this first collaboration of its kind for the World Bank, eleven members of the Standing Committee and ten UNFCCC Party Representatives were exposed to the views of approximately 150 representatives from the private sector, government agencies, multilateral and national development banks, and civil society, in a “bridge building” exercise towards the 2020 global framework on climate change. This Forum enabled communication and continued exchange of information among bodies and entities

dealing with climate finance in order to promote linkages and coherence.

Global Carbon Expo 2013

The Carbon Expo, hosted annually since 2004, is the world’s largest climate finance and carbon market conference and fair. The participants represent a broad stakeholder group, including governments, international organizations, private sector, academia and non-governmental organizations (NGO).

The 10th Carbon Expo took place from May 29–31, 2013 and was delivered in cooperation with partner organizations: the International Emissions Trading Association (IETA) and Fira Barcelona. Close to 2,200 participants from 110 countries attended the event. This level of participation—despite the

current downturn in carbon business activity—confirmed that the Carbon Expo is an established platform for knowledge exchange and networking, not only for carbon market players but also for policy-makers and practitioners seeking to finance a future low carbon growth path.

The 2013 Global Carbon Expo conference program featured nine high-level plenaries, two special lunch dialogues and 25 workshop sessions grouped under three streams: Carbon Policy, Climate Finance, and Clean Technologies & Practices. The Policy Stream discussed different policies and measures to support low emissions development, with a focus on carbon pricing instruments and regulatory measures; the Climate Finance Stream explored financing needs, opportunities, barriers and solutions for climate



Events	Dates	Impacts	Leverage with Partners
Africa Carbon Forum	July 3–5, 2013	More than 450 participants came together to explore a variety of mitigation instruments and lessons learned, opportunities and challenges of bridging climate-smart agriculture and REDD+, promoting access to energy, and low carbon development financing.	Nairobi Framework partners (UNCTAD, UNDP, UNECA, UNEP/UNEP Risoe, UNFCCC, UNITAR, African Development Bank, World Bank Group); IETA
Latin American Carbon Forum	August 28–30, 2013	More than 500 registered participants from over 40 countries shared experiences on low emissions development, innovative climate finance and carbon pricing instruments.	UNEP/UNEP Risoe, IADB, IETA, UNDP, OLADE
India Climate Policy and Business Conclave	September 18–20, 2013	Over 200 participants attended India’s flagship event in the climate finance and carbon market space, where discussions were centered around the current state of global climate change negotiations, climate finance, domestic finance and fiscal initiatives, the future of carbon markets and domestic market mechanisms, South-South co-operations, and emerging business perspectives.	FICCI; MoEF; Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMUB), Germany

Table 1: Regional Knowledge-Sharing Fora

2. CF-Assist Work Program Activities

mitigation action; and the Clean Technology Stream focused on new technological possibilities and innovative ideas that can facilitate the path towards low carbon development.

Regional Knowledge-Sharing Fora

Within the past year, we delivered three regional knowledge-sharing fora that convened over 1,100 participants from around the world to discuss a series of topics related to climate finance and low emissions development:

- Africa Carbon Forum

Impact Story—Calling for Increasing Low Carbon Investments in Africa

For Africa, the picture is clear: climate change is expected to exert further pressure on ecosystems and key sectors, with repercussions for the human populations dependent on them.

The theme of 2013 Africa Carbon Forum was "Promoting Access to Low-Carbon Development in Africa". The Forum featured discussions on the update on the carbon markets, including the opportunities for the enhanced application of the experience and existing capacity on CDM and CDM Programs of Activities, as we move towards a new legally binding agreement by 2020. The

Forum also provided an opportunity for participants to learn about the latest national and international policy developments, and various new initiatives and facilities that support the development and implementation of carbon mitigation programs.

"The CDM has evolved and improved a great deal in the past number of years. The changes are all aimed at making the mechanism more effective," said Peer Stiansen, Chair of the CDM Executive Board. "That will help Africa, which to date has not fully benefited from the CDM, and it will contribute to the international response to climate change."

- Latin American Carbon Forum

With more than 500 registered participants from over 40 countries, primarily from the Latin American and Caribbean (LAC) region, this Forum brought together a range of development practitioners, policy makers, project managers, representatives of financial institutions, government agencies and members of the private sector to explore solutions for getting climate finance flowing and to discuss alternative pathways to low carbon development in the region.

The conference program featured six high-level plenary sessions that focused on the status of carbon markets,



Africa Carbon Forum, July 2013

approaches for scaling-up climate finance, undertaking climate action in cities, strategies for low carbon development in Latin America, the importance of the implementation of the Green Climate Fund (GCF) and the key role of public and private financial institutions in a future climate regime.

"The CF-Assist has been a tremendous resource for us throughout the Latin American Carbon (LAC) Forum. The mix of positive energy, knowledge and best practices, besides reinforcing Rio

de Janeiro's role in the sustainability forefront, especially after Rio+20, paved the way for new ideas to come to life on the margins of COP 2013 in Warsaw," said Luiz Carlos T. De Carvalho, General Manager, Government of the State of Rio de Janeiro.

- India Climate Policy and Business Conclave

The India Climate Policy and Business Conclave was dedicated to discussing the role of states and climate change

as well as several key areas of interest, including State Action Plans, Domestic Initiatives, Global Initiatives, and the role of business & industry services; global climate change negotiations, and climate finance; domestic financial and fiscal initiatives, domestic market mechanisms; adaptation and business perspectives.

CF-Assist also enabled an informal consultation with Conclave participants from the private sector, NGOs, national governments and international organizations on the ongoing activities of the World Bank Task Force to Catalyze Climate Action, with a focus on how to establish a global price for carbon and the emerging use of NAMA rating systems as an effective climate policy instrument.

Collaborative Leadership

In collaboration with the World Bank Malawi country office, CF-Assist team supported the Government of Malawi in its Climate Finance Readiness process. Sixty three participants received training during the "Malawi Leadership for Climate Change" workshop in June 2013, an activity that enhanced the capacity of National Technical Committee on Climate Change and other stakeholders

in completing and implementing the National Climate Change Investment Plan (NCCIP). These training sessions resulted in real action plans to improve the performance of the government, strengthen the implementation of donor projects and accelerate the service delivery to the poor.

Webinar Series "PoA and Beyond"

The webinar series "PoA and Beyond" discusses Programmes of Activities (PoA's) and evolving climate change mitigation instruments, such as NAMAs in the context of their poverty reduction potential. CF-Assist organizes this series jointly with UNDP through its MDG Carbon Programme. In the past year we delivered four webinars that gathered more than 300 participants, of which more than 40 attendees were also members of the related Community of Practice, the Climate Finance Options platform.

E-Courses (in pipeline)

CF-Assist is currently finalizing production of two e-courses under the "climate finance" track: the course "Climate Finance Readiness" is expected to be launched in September 2014, and the course "Investment Planning for Low

Emissions, Climate Resilient Development" is planned to be piloted in June 2014.

2.2 Policy Instruments and Carbon Pricing

Well-crafted, evidence based environmental policies can offer a range of GHG reduction benefits as well as health and economic co-benefits, such as reduced air pollution, increased productivity and green jobs. Thus, our goal in this preeminent area remains to strengthen the capacity of stakeholders—policymakers, energy planners and climate change development practitioners—to identify, assess and utilize diverse types of policy and market-based instruments in support of low emission development goals.

LEDS Global Partnership (LEDS GP)

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 global practitioners' network aims to enhance coordination, South-South-North knowledge exchange and collaborative action among countries

working to advance low emissions development.

The following table on Page 12 lists the regional LEDS GP face-to-face events during 2013-14.

- Asia LEDS Forum 2013

The Asia Low Emission Development Strategies (LEDS) Forum is an annual gathering of policymakers, donors, practitioners, and other experts, with the aim to facilitate regional coordination; share tools, models, approaches, and best practices; and increase capacity and readiness of practitioners to lead and implement LEDS and green growth initiatives in the region. The chosen theme for this year, "Putting LEDS into Practice," reflected strong interest from members to move from planning to implementing LEDS, and to finding the best ways to make this a reality in different country contexts.

The 2013 Forum employed a variety of interactive formats over the course of three days to effectively deliver on the theme and to support peer learning and sharing, building of communities of practice, and skills acquisition for LEDS implementation. A large majority of participants felt that nearly all sessions proved "very useful" for their everyday

2. CF-Assist Work Program Activities

Events	Dates	Impacts	Leverage with Partners
Asia LEDS Forum 2013	October 1–3, 2013	250 participants from 22 Asian and Pacific countries attended this training event in support of peer learning and sharing, building/strengthening of communities of practice and skill-building for LEDS implementation in the region. Technical content focused on engaging stakeholders, securing finance, selecting appropriate tools, and assessing impacts.	USAID, APEC, Australia AID, ADB
2nd Latin American Regional LEDS Meeting	December 2–6, 2013	This meeting gathered about 250 participants to identify priority issues in low emissions development, including critical cross-cutting topics like NAMA design, implementation, communication and the synergies in the LEDS process, and developing baselines, reference levels and GHG inventories.	Government of Peru
Africa LEDS Partnership Regional Workshop	March 31–April 3, 2014	This event brought together 75 leading scholars and experienced practitioners from over 20 African countries to identify and discuss potential connections linking economic growth and environmental resource management, explore the rationale for green growth within an African context, facilitate policy dialogue and knowledge sharing to help guide policy-makers in the region.	Government of the Democratic Republic of Congo (DRC), Climate Development and Knowledge Network (CDKN), African Development Bank, GIZ
Capacity Building for the Operationalization of the Climate Resilient Green Economy (CRGE) Facility	April 4–8, 2014	Presentation of CF-Assist learning program to officials from the Government of Ethiopia with the aim to strengthen the capacity of the CRGE Facility, which is expected to mobilize climate finance in the future. Using CF-Assist seed-funding, a 15-month learning program will be implemented to support institutional capacity building.	Government of Ethiopia

Table 2: LEDS Global Partnership

work and one quarter expressed particular interest in subsequent training on climate finance, followed by an interest in policy instruments available to support LEDS.

“As the co-chair of the Asia LEDS Partnership (ALP), I am pleased to see that, through close collaboration among partners, the ALP has become a key platform to advance the development of national-level and country-led strategic plans to promote economic growth while reducing GHG emissions in the Asia region. As an implementing partner, the World Bank, through the CF-Assist program, has contributed significantly to the mission of the ALP, by coordinating with partners and countries, connecting capacity gap with tools and best practices, and enabling leaders in the region to mainstream green opportunities into their national development process,” said Dr. Doddy S. Sukadri, Low Carbon Emission Development Advisor, Indonesia National Council on Climate Change (DNPI).

- Latin American LEDS Regional Meeting

Impact Story—Deep Dive Training Workshop on Climate Resilience Planning for LEDS

As part of the 3-day event, the CF-Assist team delivered a deep-dive training event during the 2nd Latin American

Regional LEDS Meeting on “Practical Tools for Climate Change Resilience in Low Emissions Development Planning”— in which more than 35 practitioners from various country teams actively participated.

This technical event provided an introduction to the concepts and synergies for climate resilience planning in LEDS strategies and gave an overview to the World Bank tool “How-To Framework for Climate-Resilient Development Plans” as part of the WBI e-learning course available “The Economics of Climate-Resilient Development”. The remainder of the training comprised a role-play simulation activity, which showed how the World Bank framework could be applied as a user-friendly and strategic tool in the decision-making and prioritization processes of designing LEDS strategies that are resilient to climate change, taking into account specific country circumstances and different stakeholders’ political positions from various ministries typically involved in such a process. Finally, the de-briefing segment allowed time for peer-learning where participants exchanged information on their reactions to the role play, recent personal experiences and good practices, and overall knowledge sharing summarizing the decision-making challenges and



Panelists at the 2nd LAC LEDS Regional Meeting, December 2013



Peru's Minister of Environment pictured on left, with Dr. Fernando Tuleda, on right

opportunities when planning climate-resilient LEDS strategies.

The overall Latin American Regional LEDS Meeting provided participants with valuable opportunities for peer learning and knowledge exchange, collaboration and information sharing among country teams and technical assistance/capacity development programs around key issues related to low emissions development, and consideration of how the LEDS LAC regional platform will continue to provide support and an opportunity to develop and design low emissions development work plans at the national level going forward. Future work streams, capacity development demand and knowledge sharing modalities for the LEDS LAC Platform were identified and discussed throughout the workshop.

“The practical, easy-to-use Climate-Resilience Planning toolkit and framework prepared by CF-Assist gave not only credibility, but also well-thought considerations for our joint training supporting Low Emissions Development in LAC. Practitioners throughout the region greatly benefited from learning about the World Bank’s experience in planning development projects taking into account climate-resilience decision-making,” said Walter Araya Chaverri, Organization of American States.

2. CF-Assist Work Program Activities



- Africa LEDS Partnership

The Africa LEDS Partnership was established to promote climate resilient low emission development in Africa, in response to the growing number of African countries that are evaluating

options to achieve national development goals, while reducing greenhouse gas emissions and strengthening resilience to the impacts of climate change.

The Africa LEDS Partnership Regional Workshop

This event brought together 75 low emissions development leaders from 20 African countries and international programs in Kinshasa, DRC to identify and plan priority activities for peer learning, in-depth training, technical collaboration and coordination on LEDS activities in the region. Participants developed a vision, identified priority areas and set up a Governance Structure for the Platform. Priority areas include Clean Energy, LEDS Financing,

AFOLU and REDD+, Infrastructure and Urbanization, Institutional Arrangements, and Integrating LEDS with Climate Resilience.

Capacity Building for the Operationalization of the Climate Resilient Green Economy (CRGE) Facility

The CRGE Facility was established to help mobilize finances required for implementing the Government of Ethiopia's economic development strategy and to provide financial support that will enable actions to reduce emissions and vulnerability to climate change. In this context, the CF-Assist team presented the Climate Finance and Investment

Planning Learning Program to Ethiopian officials in order to strengthen the capacity of the CRGE Facility which is expected to mobilize climate finance in the future. Using CF-Assist seed-funding, a 15-month learning program will be implemented to support institutional capacity building, in partnership with the "Programmatic Technical assistance and Advisory Support to the CRGE Facility" Project.

Face-to-Face Trainings

In the past year, CF-Assist was actively involved in capacity building and trainings on policy instruments to ensure regional practitioners have the tools they need to promote LEDS.

Events	Dates	Impacts	Leverage with Partners
Central Asia Climate Knowledge Forum	June 18–19, 2013	Over 100 participants shared knowledge and experience to deepen collaboration and coordination in climate policy and planning, which raised awareness about the science and implications of climate change for Central Asian countries including adaptation and mitigation policies and ways of moving toward more action oriented climate outcomes.	WBG – ECSN, Central Asia CMU, Environment Anchor
Workshop on Utility Scale Solar Projects	Oct 21, 2013	A group of 50 energy policymakers and practitioners from Morocco, Egypt, South Africa and India, as well as officials from financial institutions and European donor agencies shared experiences on how they manage their utility-scale solar programs.	Moroccan Agency for Solar Energy (Masen), SE4All
Workshop on Accessing Finance for Green Growth and LEDS	March 12–14, 2014	This workshop brought together roughly 150 government officials and experts from planning and finance ministries in Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand, and Vietnam and helped improve their understanding of how to access, deliver and monitor climate finance by leveraging resources to scale up implementation of low carbon and green growth strategies.	USAID, UNESCAP, CDKN, UNDP, Switch-Asia

Table 3: Face-to-Face Trainings

- Central Asia Climate Knowledge Forum

A number of climate change impacts have been observed in Central Asia, making a case for both adaptation and mitigation actions indisputable. A collaborative effort is needed between the scientific community, policy-makers and the public to develop actionable policies and practical mitigation and adaptation programs.

The first Central Asia Climate Knowledge Forum comprised a two-day knowledge forum followed by a one-day technical training on various tools and knowledge products developed to address and incorporate climate change into policy and planning. A vast majority of the Forum attendees agreed that addressing climate change is both technically challenging and equally difficult to get an agreement on, but what is also important to stress is that the majority of the participants stated that their engagement in the topic is primarily driven by the concerns for future generations, rather than by job or economic imperatives.

"I have heard of the work delivered by CF-Assist a long time ago while I was in the Thailand office, and I am glad to have the opportunity collaborating with CF-Assist last year when we started

preparation of the Inaugural Central Asia Climate Knowledge Forum which took place in Almaty, Kazakhstan in June 2013. The Forum was followed by a one day technical training on various tools and knowledge products that are being used to address and incorporate low carbon development considerations into policy and planning. I should say that the approach CF-Assist adopts in terms of bringing people together to tackle the problem as an adaptive challenge is quite unique—it is the kind of knowledge you cannot find in a library. I strongly believe that climate change cannot be dealt with a technical prescription. This is exactly why CF-Assist is essential in terms of bringing people with forward-looking mindset, and going from country-level capacity building towards region-level collaboration. I look forward to the next time working with CF-Assist and continuously moving forward the climate change actions," said Jitendra J. Shah, Lead Environmental Specialist, The World Bank.

- Workshop on Utility Scale Solar Projects

The first Solar Knowledge Exchange Workshop on "Strengthening the Solar Energy Option and Utility-Scale Solar Power Development & Management" was to share knowledge and experience, identify challenges, and deepen cooperation/



coordination among national, regional and international stakeholders involved in Utility-Scale Solar Power programs. The workshop brought together decision-makers and experts from Morocco, Egypt, South Africa, and India to share their experiences around these topics.

Impact Story—Strong Policy Framework Needed for Solar Power

Many developing countries with sun-baked deserts are investing in concentrating solar power, or CSP. While the climatic conditions are right for the technology, these countries face challenges in making CSP viable. These include financing and risk mitigation, reducing costs, and building local capacity, among others.

A group of energy policymakers and practitioners from Morocco, Egypt, South Africa and India, as well as officials from financial institutions and

European donor agencies, gathered in Marrakesh, Morocco in October 2013 to share experiences on how they manage their utility-scale solar programs.

"Making renewable energy viable is essential to achieve the SE4ALL goals," said S. Vijay Iyer, Director of the World Bank's Sustainable Energy Department. "Knowledge exchange among countries that have accumulated knowledge and experience on critical aspects of large solar projects is the best way to build capacity and learn from experience in this emerging field."

Participants agreed that tendering and reverse auctions are among preferred options to procure CSP plants and also determine the appropriate level of price incentives. But these incentives, they said, cannot operate in a vacuum. The regulatory framework should remove barriers and provide an enabling

2. CF-Assist Work Program Activities



Panelists at the Utility Scale Solar Projects' Workshop in October 2013, Morocco

environment to ensure that the incentives work.

E-learning Deliveries

- MOOC—Turn Down the Heat: Why a 4°C Warmer World Must be Avoided

As the impacts of climate change threaten to reverse decades of gains in poverty reduction, our first Massive Open Online Course (MOOC), co-produced with the World Bank Climate and Finance Policy unit, the WBI e-Institute and hosted on the Coursera platform, was launched at a moment when the need for climate action is critical. This new learning instrument has allowed the WBG to reach beyond its traditional clients and engage large numbers of people globally to understand the imminent risks and devastating impacts of climate change, and to encourage bold and timely climate action at various

societal levels—global, national, local and individual.

The MOOC provided a dynamic and interactive space for policy-makers, practitioners and the general public to hold live discussions, share practical ideas, tools and resources to respond to the climate change challenges of today. The high level of engagement and interaction among participants was a groundbreaking way for the WBG to convene both experts and eager learners to generate innovative practices.

For policymakers, the key CF-Assist target audience within this course delivery, the MOOC offered discussions on key policy instruments for various sectors that hopefully will encourage policy action or demand for policy intervention from the general public. In addition, an (optional) geographic dissemination

Key facts on the 1st ever WBG Climate Change MOOC:

- 19,525 registered participants (33 percent between the ages of 18–34—not a usual World Bank audience demographic, and over half from the developing world—not usual for Coursera)
- 11,354 active participants (84% of them rated the course highly)
- 13,675 quiz and peer assessment submissions
- #Wbheat has over 800 tweets and counting
- 80,631 video views
- Two google hangouts with 350 participants

was enabled by the platform's "Map Yourself" function. As such, participants had the option to identify their organization/city/country/continent, which subsequently led to the formation of sub-groups based on thematic areas, geographic or other personal interests. Participants were extremely appreciative of the opportunity to network on this basis with peers in the forums and the

team noted a high participation from developing countries, truly demonstrating the global reach of the MOOC.

- E-courses

Policy Instruments for Low Emissions Development: From Design to Implementation

This e-course assists participants to plan, design and implement policy instruments that can help foster low emissions development pathways. Delivered for the first time in the winter of 2013, this course attracted 274 participants. The next delivery will take place in June 2014 and is already attracting more participants than last delivery.

Emissions Trading Systems: Using Markets to Promote Low Emissions Development

This e-course, developed in collaboration with the PMR, informs policy planners and climate change practitioners on the rationale behind emissions trading and how ETS can be implemented in practice. By sharing lessons learned from jurisdictions around the world, this course is useful to any country looking at developing an ETS. The course has been a major success with both fall and spring delivery attracting more than 300 participants per delivery.



Energy Sector Strategies to Support Green Growth

This e-course covers essential aspects of renewable energy and energy efficiency policies and discusses their contribution to green growth strategies. The fall 2013 delivery of this course was well received by 102 participants in total. The spring delivery is taking place in May 2014, with over 350 participants registered.

Low Carbon Development: Planning and Modeling

The course was developed in collaboration with the Energy Sector Management Assistance Program (ESMAP) and was delivered again in winter 2013, with 83 active learners. The second delivery of this course will take place in May 2014.

"After taking the E-course provided by CF-Assist, I can now speak more

with confidence on the issues and responses to Climate change in almost every sector. I am going to apply what I learned in this course, so as to develop and elaborate Low Carbon Development plan for my country," said one of the participants at the Low Carbon Development e-course.

Economics of Climate-Resilient Development

CF-Assist delivered two sessions of the e-course on "Economics of Climate Resilient Development" this year, which provides policymakers the basics for developing economically viable climate-resilient plans. This year, we delivered the session in March 2014, with 469 registered participants.

Webinars series—Pre- and Post-2nd Latin American Regional LEDS Meeting

A total of eight webinars have been delivered in 2013–14 on critical LEDS topics. The first four webinars covered each of the regional capacity-building priorities defined during the first Regional Workshop organized by the LEDS LAC Platform in Alajuela, Costa Rica, in 2012, as well as provided a strategic opportunity to begin conversations prior to the second Regional Workshop of the LEDS LAC

Regional Platform which took place in Lima, Peru, from December 4–6, 2013. The four post-Lima webinars touched on topics including main challenges for the development of integrated Monitoring, Reporting and Verification (MRV) systems, mitigation opportunities in urban waste management, best practices in the integration of national and sub-national governments for LEDS implementation, and national mechanisms for financing LEDS.

2.3 Cities and Climate Change

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.

The CitiSense Workshop

This workshop launched the new City Energy Efficiency Transformation Initiative (CEETI), and covered a range of topics related to energy efficiency approaches, barriers and opportunities for cities. CEETI works with cities where there is a high potential for the development of urban energy efficiency programs, and a commitment from authorities to support such programs.

2. CF-Assist Work Program Activities

Events	Dates	Impacts	Leverage with Partners
The CitiSense Workshop	November 17–18, 2013	More than 300 participants attended the workshop covering energy efficiency approaches, barriers and opportunities for cities, where they were encouraged to exchange experiences to enhance public service delivery through technology-enabled collaboration with citizens.	ESMAP, TWICT
World Urban Forum (WUF)— Training on “How to Assess Sustainability Benefits from Urban Green Growth Projects: Training for City Practitioners”	April 5–11, 2014	This training session presented a model for operationalizing green growth in cities by moving away from the concept of tradeoffs among economic, social and climate goals and into a model of multiple, shared sustainability benefits. The session brought together city officials, architects, city planners and students to discuss the practical challenges a city might face in quantifying the sustainability benefits of green growth projects in urban environments.	IHS, the Gold Standard (GS)

Table 4: Cities and Climate Change Events

World Urban Forum (WUF)— Training on “How to Assess Sustainability Benefits from Urban Green Growth Projects: Training for City Practitioners”

This event focused on the sustainability benefits assessment method, which is a key innovation to support green growth programs and is being developed as part of the Colombo Green Growth Program (CGGP). The training provided the validation and verification framework for this method, joint by CF-Assist and external consultants. The objective of this training was not only to share our

concept but more importantly to seek inputs, feedback and guidance from practitioners in enhancing the methodological framework.

E-Learning and Knowledge Sharing

- E-course Deliveries

Saving Energy Through Energy Savings Performance Contracts:

Jointly developed with ESMAP, CF-Assist presented this course based on international experiences with

public sector ESPCs collected by ESMAP during 2008–2009. It consists of seven modules presenting key concepts and providing opportunities to apply and discuss them. All modules use multimedia presentations and offer selected readings. Quizzes, research exercises and case studies help to broaden participants' understanding of the topics in a proactive way. During the last year, the course was delivered in November 2013, and joined by 181 learners.



Cities and Climate Change Leadership

This course is unique in that it covers all aspects of climate action by cities, including both adaptation and mitigation planning, at every stage—from surveying and visioning to strategic planning and implementation. Each lesson includes multimedia and interactive learning elements, and links to some of the most helpful documents, websites, city networks and international sources of expertise.

CF-Assist delivered both English and Spanish versions of this course in fall 2013, which have been well received by

435 and 72 participants, respectively. The second session of this course will take place in May 2014.

- Webinar Series

CF-Assist facilitated the webinar series “Scaling up Climate Change Action in Cities” to support the Low Carbon Livable Cities initiative and facilitate climate-smart planning in cities. In the past year, we engaged practitioners and experts from different sectors in a collaborative discussion on achieving success in urban sustainable development through the three following webinars.

Webinars	Dates
Energizing Green Cities in Southeast Asia	Nov 21, 2013
Metabolism of Megacities	Feb 18, 2014
Lowering Cities' GHG Emissions: Examining the role of market-based options	Feb 19, 2014

Table 5: Webinars on Cities and Climate Change

2. CF-Assist Work Program Activities

Distribution of CF-Assist Activities, 2013-14



3. CF-Assist: Looking Ahead

Climate change poses a fundamental threat to economic development. Without bold action to reduce the risks, the impact could undermine the fight against poverty, put prosperity out of reach for millions, and exacerbate inequality for decades to come. The risks are not limited to a single sector or region – they affect all areas, from agriculture to urban development to energy to health.

The economic costs of extreme weather are already high and growing. The average annual cost of weather-related losses and damage has risen from \$50 billion during the 1980s to close to \$200 billion during the past decade. Economic signals are inconsistent and no country has internalized fully the costs of climate change or the costs of inaction, but our clients, governments, businesses, and investors are increasingly recognizing these risks and beginning to make decisions to protect and position themselves to be competitive in a resource-constrained, low-carbon future. Our work is helping them build the policies, incentives, and support to invest in low-carbon solutions.

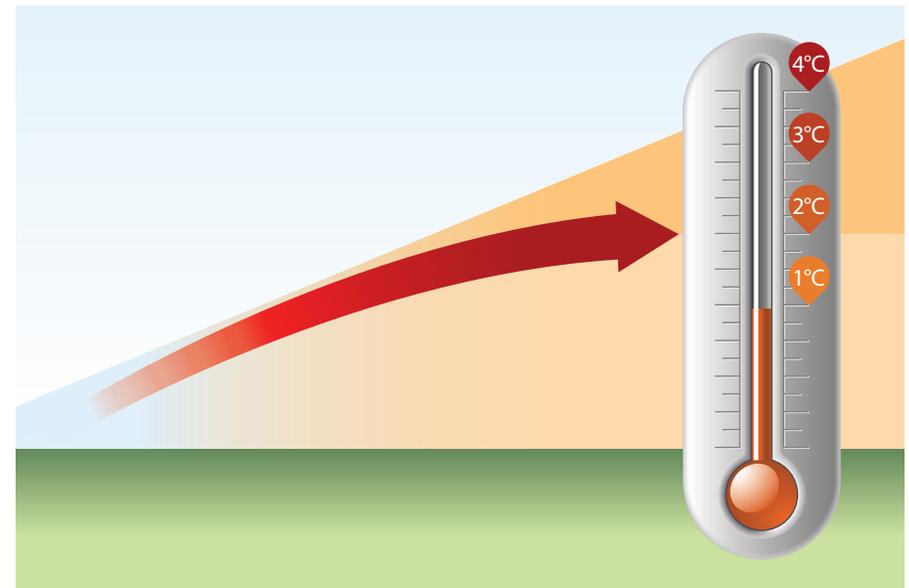
While the world is currently on a track to a 4°C warmer world by 2100, it is still possible to avoid this scenario through collective action by all developed and developing countries, albeit the window to achieve this is closing rapidly.

As the World Bank Group, we have a responsibility to our clients to help them both recognize and respond to the risks that climate change poses. With the establishment of a Climate Change Vice Presidency, the World Bank Group has strengthened its mandate as active player for concerted climate change action on the "Road to Paris" and beyond.

As this new agenda unfolds, new opportunities will surely arise as we consolidate and streamline our current program to respond to new demands, both internally and externally.

In times of urgent need for climate change action by all, the demand for a capacity building program like CF-Assist will be high. Without learning and knowledge sharing, and fostering evolving lessons, climate change

Bending the Curve of Climate Change



mitigation and adaptation efforts could not be realized at the scale needed. CF-Assist is in a unique position to leverage resources and partnerships, and disseminate best practices, by providing appropriate tools for policy-makers,

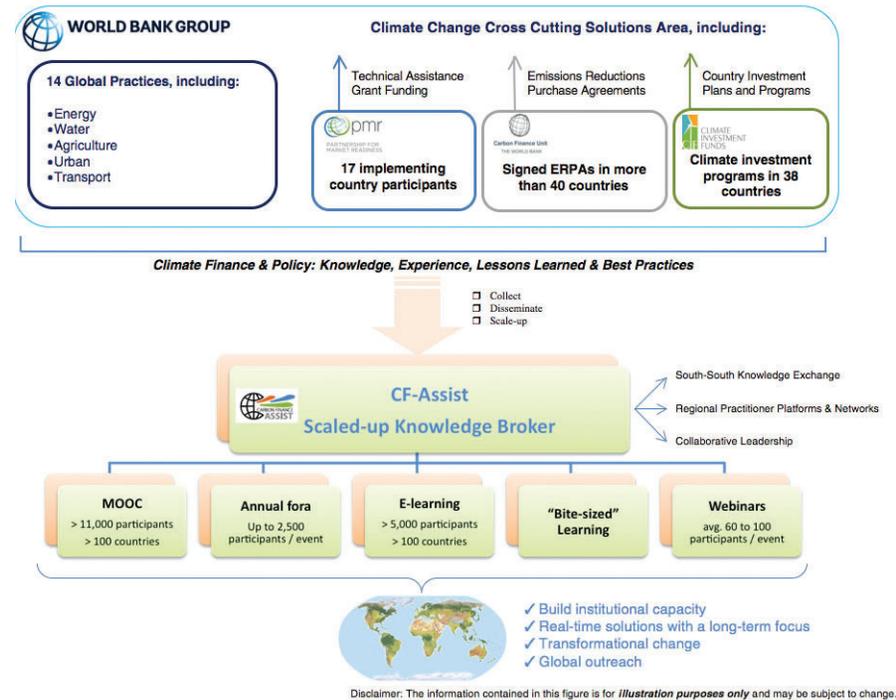
development practitioners and other stakeholders to understand what is needed and to acquire the necessary knowledge and skills to take the right sets of actions.

3. CF-Assist: Looking Ahead

With our recent integration into the new Climate Change Vice-Presidency, CF-Assist is uniquely positioned to address some of the key climate change challenges of the next few decades and to make a difference by helping key stakeholders in client countries to advance their work on climate finance and low emissions development. Moving forward, we will continue to strengthen our platforms and partnerships on climate policy and finance by scaling-up

our distance learning products with innovative approaches for specialized e-learning, bite-sized learning, MOOCs³ and webinars, and we will enrich our global and regional carbon fora with renewed content and enhanced partnerships.

³ Please find two of the MOOC videos [here](#).



Annex 1: List of CF-A Events for 2013–14

Month	Event	Location	Participants	# of days	Region
2013					
May	First Forum of the Standing Committee on Finance (pre-Cabon Expo event)	Barcelona, Spain	187	1	Global
May	Global Carbon Expo 2013	Barcelona, Spain	2,200	3	Global
May–June	Malawi Leadership for Climate Change	Lilongwe, Malawi	176	5	AFR
June	Central Asia Climate Knowledge Forum	Almaty, Kazakhstan	102	2	ECA
July	Africa Carbon Forum	Abidjan, Cote d'Ivoire	136	3	AFR
August	Latin America Carbon Forum	Rio de Janeiro, Brazil	570	3	LAC
September	E-course: Energy Efficiency in Public Buildings	Online	250	14	Global
September	India Climate Policy and Business Conclave	Delhi, India	180	3	SAR
October	LEPS GP: Asia LEDS Forum 2013	Manila, Philippines	250	3	EAP
October	Utility Scale Solar Projects' Workshop	Marrakesh, Morocco	50	1	MNA
October–November	E-Course: Energy Sector Strategies to Support Green Growth I	Online	395	21	Global
October–November	E-course: ETS - Using Markets to Promote Low Emissions Development I	Online	441	28	Global
October–November	E-course: El cambio climático y el liderazgo de las ciudades I	Online	72	19	Global
October–November	E-course: Cities and Climate Change Leadership I	Online	435	19	Global
November	E-Course: Saving Energy through Energy Savings Performance Contracts	Online	181	23	Global
November	CitiSense workshop	Barcelona, Spain	310	2	Global
November	Webinar: Energizing Green Cities in Southeast Asia	Online	30	1	SAR
November–December	E-Course: Low Carbon Development: Planning and Modeling I	Online	548	35	Global
November–December	E-Course: Policy Instruments for Low Emissions Development - From Design to Implementation	Online	368	22	Global
December	UNFCCC Regional Workshop on NAMAs	Mexico City, Mexico	90	4	LAC
December	LEDS GP: 2nd Latin American Regional LEDS Meeting	Lima, Peru	250	3	LAC
2013-14					
October–April	Webinar Series: LEDS LAC Pre- and Post- 2nd Latin American Regional LEDS Meeting	Online	316	9	LAC
October–April	Webinar Series: PoA and Beyond	Online	300	4	Global

Month	Event	Location	Participants	# of days	Region
2014					
January	MOOC - Turn Down the Heat: Why a 4°C Warmer World Must be Avoided	Online	11,354	25	Global
February	Webinar: Metabolism of Megacities	Online	75	1	Global
February	Webinar: Lowering Cities' GHG Emissions: Examining the role of market-based options	Online	60	1	Global
March	E-course: Economics of Climate-Resilient Development II	Online	469	18	Global
March	Workshop on Accessing Finance for Green Growth and LEDES	Hanoi, Vietnam	157	3	SAR
March–April	Africa LEDES Partnership Meeting & Pathways to Green Growth in Africa Workshop	Kinshasa, The Democratic Republic of Congo	75	4	AFR
April	E-course: ETS - Using Markets to Promote Low Emissions Development e-course II	Online	105	18	Global
April	World Urban Forum (WUF): Assessing Sustainability Benefits from Urban Green Growth Projects	Medellin, Colombia	54	6	Global
April	E-course: El cambio climático y el liderazgo de las ciudades II	Online	62	20	Global
May	E-Course: Low Carbon Development: Planning and Modeling II	Online	337	20	Global
May	E-course: Cities and Climate Change Leadership II	Online	120	20	Global
May	E-Course: Energy Sector Strategies to Support Green Growth II	Online	157	20	Global
TOTAL			20,862		

Annex 2: Distribution of Events and Event Participation

Regional Events and Carbon Fora 2013–2014

Region	Number of Participants
AFR	387
EAP	250
ECA	102
LAC	1,226
MNA	50
SAR	367
TOTAL	2,382

Participants in facilitated e-learning courses 2013–14

e-Course	Number of Participants
Energy Efficiency in Public Buildings	250
Energy Sector Strategies to Support Green Growth I	395
ETS - Using Markets to Promote Low Emissions Development I	441
El cambio climático y el liderazgo de las ciudades I	72
Cities and Climate Change Leadership I	435
Saving Energy through Energy Savings Performance Contracts	181
Low Carbon Development: Planning and Modeling I	548
Policy Instruments for Low Emissions Development - From Design to Implementation	368
Economics of Climate-Resilient Development II	469
ETS - Using Markets to Promote Low Emissions Development e-course II	105
El cambio climático y el liderazgo de las ciudades II	62
Low Carbon Development: Planning and Modeling II	337
Cities and Climate Change Leadership II	120
Energy Sector Strategies to Support Green Growth II	157
TOTAL	3,940

Global Events / Carbon Expo 2013–14

Event	Number of Participants
First Forum of the Standing Committee on Finance	187
Carbon Expo	2200
MOOC - Turn Down the Heat: Why a 4°C Warmer World Must be Avoided	11354
World Urban Forum (WUF): Assessing Sustainability Benefits from Urban Green Growth Projects	54
CitiSense workshop	310
Global Webinars (aggregate)	435
Facilitated e-Learning (aggregate)	3940
TOTAL	18,480

Event Participation 2005–2014 (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
2013–2014 (excluding MOOC)	9508
TOTAL	51,704

Annex 3: List of Acronyms

AFR	Sub-Saharan Africa	LAC	Latin America and Carribean
ALP	Asia LEDES Partnership	LCCDP	Low Carbon City Development Program
APEC	Asia-Pacific Economic Cooperation	LCD	Low Carbon Development
BMUB	Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany	LEDS	Low Emissions Development Strategies
CDKN	Climate Development and Knowledge Network	LEDS GP	Low Emissions Development Strategies Global Partnership
CDM and JI	Clean Development Mechanism and Joint Implementation	M & E	Monitoring & Evaluation
CEETI	City Energy Efficiency Transformation Initiative	MDG	Millennium Development Goals
CEO	Chief Executive Officer	MNA	Middle East and North Africa
CF-Assist	Carbon Finance- Assist	MoEF	Ministry of Environment & Forests, Government of India
CFOs	Climate Finance Options	MOOC	Massive Open Online Course
CGGP	Colombo Green Growth Program	MRV	Monitoring, Reporting and Verification
CIFs	Climate Investment Funds	NAMAs	Nationally Appropriate Mitigation Actions
CMU	Country Management Unit	NCCIP	National Climate Change Investment Plan
COP	Conference of the Parties	NGO	Non Governmental Organisation
CRGE	Climate Resilient Green Economy	OECD	Organization for Economic Development
CSP	Concentrated Solar Power	OLADE	Latin American Energy Organization
DNPI	Indonesia National Council on Climate Change	PMR	Partnership for Market Readiness
DRC	Democratic Republic of the Congo	POA	Programme of Activities
DSM	Demand Side Management	R & D	Research and Development
EAP	East Asia Pacific	SAR	South Asia Region
ECSEN	Environment, NRM, land	SE4All	Sustainable Energy for All
EE	Energy Efficiency	SSKE	South South Knowledge Exchange
EFFECT	Energy Forecasting Framework and Emissions Consensus Tool	TWICT	Information & Communication Technology
ESMAP	Energy Sector Management Assistance Program	UNCTAD	United Nations Conference on Trade and Development
ESPCs	Energy Savings Performance Contracts	UNDP	United Nations Development Programme
ETS	Emissions Trading Schemes	UNEP	United Nations Environment Programme
FICCI	Federation of Indian Chambers of Commerce and Industry	UNESCAP	United Nations Economic and Social Commission for Asia and Pacific
GCF	Green Climate Fund	UNFCCC	United Nations Framework Convention on Climate Change
GHG	Greenhouse Gas	UNITAR	United Nations Institute on Training and Research
GIZ	German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety	USAID	United States Agency for International Development
GS	Golden Standard	WBG	World Bank Group
IDB	Inter-American Development Bank	WBI	World Bank Institute
IETA	International Emissions Trading Association	WBICC	World Bank Institute Climate Change Practice
IPCC	Intergovernmental Panel on Climate Change	WUF	World Urban Forum



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The CF-Assist Program is currently supported by the Governments of Spain and Switzerland