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# CARBON EXPO

Global Carbon Market Fair & Conference

# 10<sup>th</sup> EDITION CELEBRATION!

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## BARCELONA

## MAY 29-31 2013

### DOWNTOWN MONTJUIC VENUE

# CARBON EXPO 2013

# CONFERENCE PROGRAM

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## Conference Program Legend

PLENARY SESSION

TRAINING SESSION

CARBON EXPO LUNCH DIALOGUES

POLICY STREAM

As policy makers and the global community work towards desirable and workable solutions to address the climate challenge at scale, a new carbon policy driven stream aims at promoting a broader topic for discussion, bringing at the table an audience of policy makers, regulators, private sector, scientific organizations, and civil society. This stream will evaluate different carbon pricing policy and regulatory measures necessary to support the transformation to a low-carbon economy (e.g., ETS, offsets, taxes, subsidies, etc), and address policy decisions required to foster private action. The discussions will be supported by lessons learned from empirical data, combined with an enhanced upstream and conceptual analysis of carbon pricing, including crediting mechanism, tool to levelize domestic actions towards net-global emissions, and result based finance instrument, among others.

CLIMATE FINANCE STREAM

This stream will cover the gamut of climate finance commitments, players, products, and potential. Sessions touch on UNFCCC climate finance developments, including Green Climate Fund (GCF) and Standing Committee on Finance (SCF) activities, as well as private sector's role related to UN opportunities. Related sessions explore the state of climate finance frameworks, flows, and financial products. What lessons can be gleaned from the fast-start finance story? What are the main barriers, risks, and challenges associated with meeting climate finance targets? What's the appropriate role for public funds versus private capital to maximize investments in mitigation and adaptation? How can climate finance impacts and leveraging potentials be measured? What do climate finance "futures" look like – and how can business become a central character in this story?

CLEAN ENERGY & CLEAN TECH STREAM

Carbon Mitigation and Climate Adaptation requires tools beyond what the Carbon Markets can offer. With the web of Carbon Entrepreneurs and Policy Wizards seeded by the Kyoto experience, a new wave of businesses and policies are taking shape in both Developing and Developed economies. This stream will explore a myriad of topics ranging from the state of "CleanTech," to enhanced measures around conventional energies, energy efficiency and new incentives around mitigation and adaptation.

The Conference Program may be subject to modifications

### Day 1 - Wednesday - 29 May

08:00	Registration & Visit the Trade Fair	
08:30	T1 - Inside the EU Decision Making Process (organised by IETA)	T2 - Developing Programs Under New Market Mechanisms (organised by the World Bank)
09:00	CARBON EXPO 2013 Press Conference	
09:30		
09:45		
10:00	CARBON EXPO 2013 Opening Ceremony	
11:00	Short Break	
11:15	<b>P1 - State &amp; Trends: Mapping Carbon Pricing Initiatives Around the World</b> <small>GHG emissions in developed nations shrunk since 2009, alongside the economic downturn and financial crises in their economies. Since then, forecasts indicate that the Kyoto and European markets are oversupplied, and the absence of tangible long-term solutions for those markets led carbon prices to reach historic lows in 2013. At the same time, carbon market initiatives at regional and domestic levels have gained increasing traction in both developed and developing countries. Several carbon market initiatives are on the table with the main objectives of getting the right price for carbon and stimulating climate-smart financial flows. This plenary aims to assess where we stand and possible future scenarios in those discussions.</small>	
12:45	Buffet Lunch & Visit the Trade Fair	
14:00	<b>P2 - Climate Finance - Reaching the \$100 Billion: Key Players, Perspectives, and Expectations</b> <small>The UN Standing Committee on Finance (SCF) and the Green Climate Fund (GCF) are tasked with playing integral roles in realizing ambitious climate finance commitments. Unprecedented work that requires deep research, engagement, and "testing" with non-government stakeholders. This unique plenary will showcase public, private, and multi-lateral perspectives behind the SCF and GCF, and how to realize the annual \$100 billion commitment into mitigation and adaptation activities by 2020. Discussion touches on reviewing the landscape of most relevant institutions providing climate finance, business model framework options and resource mobilization [for the GCF], opportunities and challenges for the SCF Forum, and climate finance expectations heading into Warsaw and beyond.</small>	
15:15	Coffee Break & Visit the Trade Fair	
15:45	<b>P3 - Catalyzing a Globally Connected Carbon Market</b> <small>A predictable carbon price is part of the answer to avoiding a 4 degrees world. Although the current system was successful in demonstrating that pricing carbon can redirect investment flows into low-carbon investments, it is limited in scope and structure to deliver emissions reductions at scale. A global carbon market in the future is more likely to be a linked network of domestic and regional schemes. What do we need to do to lay the groundwork for such a global networked market?</small>	
17:00	Short Break	
17:15	<b>P4 - 10th Anniversary Celebration Round Table "Learning from the Legends"</b> <small>As the global community intensifies negotiations on a post 2020 climate agreement, the task seems daunting. Economic crisis and recovery vs. climate crisis and green growth opportunities. Diplomats must rise above their political differences to chart a path forward and blend most economically efficient mitigation options with solutions that are politically viable and sustainable. In another decade and another century, a group of climate diplomats created international environmental history by producing the Kyoto Protocol, with its Clean Development Mechanism, Joint Implementation program and international emissions trading. These mechanisms launched a global business in climate mitigation that unleashed more action on climate mitigation than ever before. But it was only a start – and much more work is needed. This session will bring back five of the legendary climate diplomats who delivered the Kyoto Protocol to offer insights for future negotiations.</small>	
19:00	CARBON EXPO 2013 "Meet the Carbon Market" Evening Reception	

## Day 2 - Thursday - 30 May

09:00	<b>P5 - Working Where it Matters: Developing Tailored Approaches to Climate Action in Cities</b> By 2050, global urban population is estimated to grow to 6.4 billion. Annual GHG emissions of the world's largest 100 cities are equivalent to an estimated 75% of emissions in EU countries. Scaling up actions for low carbon city development would substantially reduce emissions and enhance resilience. Working with cities matters: what is needed to trigger climate action at scale? Panelists will discuss mitigation potential and options in cities as well as different alternatives to strengthen resilience, present solutions that cities need, and how to catalyze financing for low-carbon city development		
10:15	Coffee Break & Visit the Trade Fair		
10:45	<b>W1 - Preparing for the Next Generation of Carbon Pricing Instruments</b> An increasing number of countries which represent very diverse economies are evaluating and piloting innovative approaches to cost-effective greenhouse gas mitigation, including domestic emissions trading schemes, new carbon crediting instruments, and carbon taxes. They are all laying the groundwork for a predictable price on carbon, but keeping track of these trends and developments is not easy. Panelists will review the emergence of regional or domestic initiatives in this new generation of countries taking action towards climate change, what the drivers and opportunities behind this bottom-up process might be, and what challenges the current generation of carbon markets can help overcome.	<b>W2 - Producing Powerful Incentives Through Results-Based Financing</b> Performance-based payments produce powerful incentives and can often result in effective robust project implementation structures. Panelists will introduce different forms of results-based financing and how it can interact with other forms of finance to generate opportunities in climate markets with significant development co-benefits. They will share lessons learned in designing and implementing existing programs and discuss the potential specifically for methane as well as for broadening its application in order to achieve sustained and recurrent climate investment.	<b>W3 - State of Clean Energy in 2013 - Policy Update &amp; Market Briefing</b> The world's clean energy investment & deployment landscape has undergone dramatic changes in recent years. Join this special session to learn more about: current and projected trends in global clean energy investment and deployment; key economic, policy, and technology factors that are driving these developments; how major markets, like the US, Europe, China, and India, are enabling or impeding clean energy deployment; how different types of investors are evaluating various clean energy project risks and opportunities; and more.
11:45	Short Break		
12:00	<b>W4 - A Post-Doha Look at the Framework for Various Approaches and New Market Mechanisms (FVA/NMM)</b> The new framework (FVA) that facilitates the further development of market-based instruments and allows linking of those that already exist must be attractive to all key actors: developing countries, developed countries, and investors. The design will have an important impact on the ability of the FVA to achieve this. The FVA now under discussion at the UNFCCC, in combination with plans for a New Market Mechanism (NMM) under the Convention, offers the opportunity to deliver such a global market that could then sit at the heart of the new agreement negotiated under the ADP. Will this be a boom or a burden on the carbon market?	<b>W5 - Public and Private Climate Finance: Finding the Right Balance</b> If the international community is committed to financing large-scale mitigation of GHG and adaptation to climate change, multi-sector discussion must focus on building architecture that enables practical solutions capable of utilizing the full spectrum of instruments which could be deployed. Public policy and finance play a crucial role in creating an incentive framework for private flows while private initiatives are essential to raise resources on a large enough scale. This session will hear from experts on potential barriers for mobilization and delivery of public climate funding, while exploring private sector solutions that drive massive sums of private sector financial flows into mitigation and adaptation activities.	<b>W6 - Driving Low-Emissions Development at the Sub-National Level: Experiences from the Field</b> Amidst uncertainty in the international climate regulatory landscape, sub-national governments are moving ahead with bold climate policies and market-based approaches to low-emissions development. This session will highlight experiences from the field with presentations from cities and states that are driving the low-carbon agenda at the local scale by putting into action innovative ideas with global implications.
13:00	<b>Buffet Lunch &amp; Visit the Trade Fair</b> <b>SD1 - CARBON EXPO Special Dialogue - The Business Partnership for Market Readiness (BPMR): Supporting Businesses and Sharing Best Business Practices in the Next Wave of Carbon Markets</b> Towards the end of 2012, and following on the success of the World Bank's Partnership for Market Readiness (PMR), IETA launched a new "Business Partnership for Market Readiness" (B-PMR) to create a new initiative to help businesses in the PMR countries meet the challenges of emissions trading and market based policy tools. IETA aims to enhance the potential for workable international carbon trading models to emerge around the world, to raise the level of understanding and awareness of industries on emissions trading and other market-based policy tools in PMR-implementing countries. This is being done in concert with the host governments of each BPMR country, the World Bank and PMR donor countries. This special lunch dialogue will explore how the BPMR works, gather feedback on the 1st Mission in Guangdong, China, and seek feedback from the audience on how to strengthen to BPMR going forward.		
14:00	<b>P6 - Maximizing the Potential for Green Investments: The Challenge of Effective Policy Implementation</b> Transitioning to a pathway of Green Growth is becoming increasingly important as climate change poses major challenges to development. As countries explore innovative and cost-effective Green Growth Policies to scale-up emissions reductions and foster private sector investment, they are also facing unique challenges in effectively implementing these policies. In this session, panelists from five countries will share emerging experience and key insights into the challenges and opportunities in truly harnessing the green growth potential.		
15:15	Coffee Break & Visit the Trade Fair		
15:45	<b>W7 - CDM &amp; JI – The Review Year and the Elephant in the Room</b> Governments will spend the year under the UNFCCC taking a deep look at the CDM and JI and the experiences it yielded. What this review then brings to COP 19 in Warsaw is uncertain: What role will the CDM and JI play in a new climate agreement and what supporters does it have? Will Australia's link to the EU restore confidence in Brussels for these mechanisms? This debate-and discussion-will try to answer those questions. In any case, the CDM and JI still remain but their glory days have long gone. This session will try to answer the elephant in the room: What next?	<b>W8 - Challenges and Opportunities Facing Adaptation Finance</b> There's no denying that climate change impacts have started to rear their ugly - and costly - heads worldwide. Despite widespread agreement that adaptation measures matter, there's anything but agreement around the potential costs of adaptation, as well as how such measures will be financed. Governments have a significant role to play in financing adaptation. But, for reasons explored during this session, public funds can't be the only solution. Join this session to learn more about: the quest to drive private capital into adaptation activities; innovative adaptation finance instruments and scale-up potential; and the latest on climate-resilient "enabling frameworks", cropping up across regions and sectors.	<b>W9 - The Multiple Benefits of Climate Smart Agriculture</b> Providing food for a growing population at a time of climate change is becoming an increasingly major challenge – agricultural production must increase by 70 percent in order to fill the needs of food security. Yet due to the large emissions from the agricultural sector, countries need to find ways that make agriculture emit less and produce more. How can countries support innovative approaches that incentivizes climate-smart agricultural techniques that increase farm productivity and incomes, make agriculture more resilient to climate change, while also contributing to mitigation?
16:45	Short Break		
17:00	<b>W10 - Room For More? Adding Complimentary Measures to the Carbon Policy Toolkit</b> Carbon markets rarely exist in a vacuum. Indeed, they must fit alongside other measures targeting transportation fuels, renewable energy deployment, energy efficiency measures and many other government policies. This has an impact on carbon markets and prices faced by covered entities. Governments must ensure transparency in the carbon price signal sent to industry, and avoid adding unnecessary complexity to the marketplace. Complimentary measures are already impacting functioning markets in Europe and California, as well as the Kyoto mechanisms. This discussion will look at the regulatory environment for the global carbon market in 2013.	<b>W11 - NAMAs - Realizing Their Potential</b> Nationally Appropriate Mitigation Actions - NAMAs - are becoming a widely used instrument to promote low emissions development interventions. Governments, international development banks and private companies are testing various approaches to the design of NAMAs. Several countries have made initial NAMA submissions to the UNFCCC, offering useful precedents, while others are currently piloting NAMA programs with the support of donor agencies. Panelists will share main insights gained from experience on the ground so far, and discuss key issues and challenges to bring proposals and prototypes to actual implementation.	<b>W12 - Engaging the Private Sector to Meet Growing Energy Demand: How can Market-Based Instruments Support Renewable Energy &amp; Energy Efficiency?</b> In the wake of an increasing demand for energy, renewable sources of energy and the use of energy efficiency technologies will play an important role in the world's energy markets. The development of renewable energy and the use of energy efficient technologies largely rely on effective public policy strategies that also involve the private sector. This session focuses on market based policy instruments for renewable energy and energy efficiency. It discusses innovative policy options such as renewable energy credits and competitive procurement, that have been proven useful in order to engage private sector stakeholders.
18:00			



Day 3 - Friday - 31 May

9:00	<p><b>W13 - NAMAs and Carbon Markets</b></p> <p>What is a 'credited NAMA'? An area that remains ambiguous in the international climate policy discussions is the relationship between NAMAs and carbon markets. At the same time, more and more developers of mitigation programs across sectors are assessing approaches to generate tradable carbon credits as a source of revenues for their NAMAs. Climate policy thought leaders and development practitioners will sit together to discuss NAMA crediting against the background of international policy considerations, technical challenges and market expectations.</p>	<p><b>W14 - Africa: Innovation in Carbon Finance to Support Access to Energy and Other Poverty Reducing Technologies</b></p> <p>How can innovative business models be developed in partnerships with governments and the private sector to enable carbon based payments to finance projects that reduce carbon emissions and have high development benefits in LDCs. A focus on household level results, such as biogas, household solar and micro-hydro power that can be more easily replicated without large capital investments.</p>	<p><b>W15 - Up &amp; Away: Aviation's Low-Carbon Technologies, Costs, Politics/Policies, and Market Measures</b></p> <p>The aviation sector has put forward ambitious targets to reduce its carbon footprint, with carbon neutral growth from 2020 onwards and halving 2005 emissions by 2050. A combination of investments and policies will be needed for the aviation industry to achieve this. From improved aircraft design, more efficient air infrastructure for flights, and increased use of aviation biofuels, technology holds the potential to make significant contribution to stabilise, and ultimately reduce, emissions in a growing sector. Markets, and carbon trading, will also be crucial, and are the subject of current discussions under the International Civil Aviation Organisation (ICAO). This panel brings together experts closely involved in the debate over how aviation will fulfill its environmental objectives.</p>
10:00	Coffee Break & Visit the Trade Fair		
10:30	<p><b>W16 - Early Market Development in Australia and the Impacts of Political Uncertainty</b></p> <p>Australia's Carbon Price Mechanism came into effect in July 2012. Early market movers are generating domestic offsets for compliance use under the domestic offset scheme, the Carbon Farming Initiative. Others have developed financial products using domestic and international offsets to assist entities to meet their liabilities. However, early market development has been clouded by uncertainty regarding the Scheme's long-term future and design due to Australia's current political environment. With an election in September, the outcome of which may impact on the future of the scheme, how has the market been affected and what has been the reaction of liable entities?</p>	<p><b>W17 - The Voluntary Carbon Market – Financing Innovation, Perspectives from Industry, Corporate and NGO Community</b></p> <p>The nature of the voluntary carbon markets have typically required projects that deliver a range of co-benefits in order to attract corporate investment. Many of these innovations have filtered through to regional and global compliance carbon markets. How does the industry now see opportunities for investment in the voluntary market. What is the role of blended finance? How can sustainable development and adaptation efforts leverage voluntary market investment? We discuss the issues with representatives of industry, corporate buyers and environmental nonprofits.</p>	<p><b>W18 - Supporting Innovations for Clean Energy Access - What Role for Climate Finance?</b></p> <p>Ensuring clean energy access is key for both poverty reduction and climate change agendas. New financing mechanisms are needed to maximize the support for new technologies and business models that have the potential to provide for tomorrow's solutions. This session will provide space for a brainstorming on the role that climate finance can play in fostering private sector engagement in the field of energy access?</p>
11:30	Short Break		
11:45	<p><b>P7 - What's at Stake for the EU ETS? How can the scheme maintain its relevance as the EU's main climate policy instrument?</b></p> <p>Come and hear the arguments from leading European policy makers and business and environmental stakeholders regarding the future of the EU ETS. After the Parliament's rejection of the Commission's proposal on backloading, what is the likelihood of the proposal being adopted? What consequences does this uncertainty in the short-term have for the future reform of scheme? With the start of discussions on structural measures to address the current difficulties facing the EU ETS, how are these discussions likely to evolve without further clarity on the EU's short-term policy direction? Come and discuss your views on what type of structural reforms are needed, and debate with leading policy makers whether you think the EU ETS needs to be reformed, and what you think the scheme should aim to deliver. The debate will also address longer term considerations regarding the EU's 2030 climate and energy package.</p>		
13:00	<p>Buffet Lunch &amp; Visit the Trade Fair</p>	<p><b>SD2 - CARBON EXPO Special Dialogue - A Science Update: Risks and Opportunities Presented by Climate Change</b></p> <p>Over the next 18 months, new science is emerging that could impact strategic planning for businesses – both for adapting to changes in the climate and responding to new climate policies and market opportunities. As new scientific information appears, it can be challenging to communicate – both to colleagues and external stakeholders. This session will highlight risks and opportunities presented by climate change – and how scientific information is best communicated by business.</p>	
14:00	<p><b>W19 - Climate Mitigation Efforts with Fiscal Benefits: Carbon Taxation and Removing Harmful Fossil Fuel Subsidies</b></p> <p>Taxing carbon and removing harmful fossil fuel subsidies have become increasingly interesting for countries that are looking for ways to reduce greenhouse gas emissions while obtaining fiscal benefits. In an effort to shed more light on the environmental potential and its budgetary impact, this session invites a panel of experts to discuss the merits and challenges of taxing carbon or removing fossil fuel subsidies. The panelists will discuss potential impacts on greenhouse gas mitigation, international trade, its distributional effects and especially how a carbon tax works in relation to carbon offsets and trading policies.</p>	<p><b>W20 - Implementing REDD+: Experience from the Private Sector &amp; How do we Maintain Private Investment?</b></p> <p>REDD+ has progressed in recent years to create sophisticated and high quality projects using expertise from the private sector. This has allowed projects to secure financing from a variety of private investment sources. This panel brings together private sector actors from across the project cycle to demonstrate how projects are structured, implemented and marketed, and the outlook for future expansion of activities including overcoming risk for private sector investment as trends lean towards jurisdictional REDD+ accounting and policy.</p>	<p><b>W21 - A Tale of Two Regions: Europe, North America, and Low-Carbon Technologies</b></p> <p>Different energy de-carbonization stories are playing-out in Europe and North America, due to factors like unconventional gas development, pipeline politics, and regional climate policies. Where are investments in transformative low-carbon technologies taking place? Which policy and financing enabling frameworks are needed to drive such investments? And how is North America's shifting energy sector affecting fuel consumption in Europe?</p>
15:00	Short Break		
15:15	<p><b>P8 - Closing Plenary - The Decade Ahead for Carbon Markets</b></p> <p>CARBON EXPO has provided the leading forum for carbon market participants over the last decade. Carbon markets have evolved from concept to reality in Europe and beyond. Through the CDM and JI mechanisms private investment has flown to sustainable development outside of the industrialised world. Innovative policies and financing opportunities continue to emerge across the world. There are many remaining hurdles to be cleared, and actions to be taken. However, the leaps taken since the first CARBON EXPO to today provide some positive signs that governments and businesses will step up. To close this 10th Edition, this session reflects on the previous decade and looks ahead to the opportunities and challenges of future years.</p>		
16:30			

# CARBON EXPO 2013

## Conference Program

TIME		Day 1 - Wednesday - 29 May	
08:30		Training 1	Training 2
09:00	<p><b>CARBON EXPO 2013 Press Conference</b></p> <p>Facilitator: <b>Isabel Hagbrink</b> Senior Communications Officer World Bank</p> <p><b>Dirk Forrister</b> President &amp; Chief Executive Officer International Emissions Trading Association (IETA)</p> <p><b>Alexandre Kossoy</b> Senior Financial Specialist World Bank</p>	<p><b>T1 - Inside the EU Decision Making Process</b> (organised by IETA)</p> <p>This training session is targeted to those interested in the EU ETS and in better understanding the decision-making process in Brussels. We recently saw the influence of the European Parliament's plenary and Committee votes in the 'backloading' debate, as well as decisions taken by the Council's working party meetings or at the COREPER level. Any political decision needs to go through many hoops before being adopted and this can have huge implications for market operators. Come and gather intel on how decisions are taken, who is influential, what arguments are most listened to by MEP, Member State representatives, or national experts.</p> <p>Moderator: <b>Edwin Aalders</b> Business Development Manager DNV Accredited Climate Change Services</p> <p><b>Konrad Hanschmidt</b> Carbon Markets Analyst - EU ETS Bloomberg New Energy Finance</p> <p><b>Michiel ten Hoopen</b> Head of the Vattenfall Carbon Fund Vattenfall</p> <p><b>David Lunsford</b> Climate Policy Consultant Perspectives</p>	<p><b>Developing Programs Under New Market Mechanisms</b> (organised by the World Bank)</p> <p>Moderator: <b>Alexandrina Platonova-Oquab</b> Senior Carbon Finance Specialist World Bank</p> <p><b>Ash Sharma</b> Vice President, Carbon Finance and Funds Nordic Environment Finance Corporation (NEFCO)</p> <p><b>Luis Muñozcano</b> Director, Climate Change, Ministry of the Environment and Natural Resources, Mexico</p> <p><b>Gareth Phillips</b> Chief Climate Change Officer Sindicatum Sustainable Resources</p>
09:30			
09:45			
10:00	<b>CARBON EXPO 2013 Opening Ceremony</b>		
	<p><i>Co-Organizers Welcome Addresses</i></p> <p><b>Josep Lluís Bonet</b> President, Governing Board, Fira Barcelona</p> <p><b>Mary A. Barton-Dock</b> Director, Climate Policy and Finance, World Bank</p> <p><b>Dirk Forrister</b> President &amp; Chief Executive Officer, International Emissions Trading Association (IETA)</p> <p><i>Host Country Welcome Addresses</i></p> <p><b>Joan Puigdollers</b> Head of Department of Environment and Urban Services, City Hall of Barcelona</p> <p><b>Santi Vila</b> Councillor for Territory and Sustainability, Government of Catalonia</p>	<p><i>Keynote Addresses</i></p> <p><b>Christiana Figueres</b> Executive Secretary, GUNFCCC</p> <p><b>Miguel Arias Cañete</b> Minister of Agriculture, Food and Environment, Spanish Government</p>	
11:00	<b>Short Break</b>		

\* - Invited, pending confirmation

## 11:15 P1 - State &amp; Trends: Mapping Carbon Pricing Initiatives Around the World

**Moderator:****Dirk Forrister**

President & Chief Executive Officer  
International Emissions Trading Association (IETA)

**Joëlle Chassard**

Manager, Carbon Finance Unit  
World Bank

**Anthea Harris**

Chief Executive Officer  
Climate Change Authority, Australian Government

**Alyssa Gilber**

Senior Unit Manager, Market-Based Mechanisms  
Ecofys

**Fernando Tudela**

Former Undersecretary of the Environment  
Mexico

**Jaime Martin Juez**

Director, Safety and Environment  
Repsol

**Berthold Goeke**

Head of Directorate E II - Climate Policy  
German Federal Ministry for the Environment

GHG emissions in developed nations shrunk since 2009, alongside the economic downturn and financial crises in their economies. Since then, forecasts indicate that the Kyoto and European markets are oversupplied, and the absence of tangible long-term solutions for those markets led carbon prices to reach historic lows in 2013. At the same time, carbon market initiatives at regional and domestic levels have gained increasing traction in both developed and developing countries. Several carbon market initiatives are on the table with the main objectives of getting the right price for carbon and stimulating climate-smart financial flows. This plenary aims to assess where we stand and possible future scenarios in those discussions.

## 12:45 Buffet Lunch &amp; Visit the Trade Fair

## 14:00 P2 - Climate Finance - Reaching the \$100 Billion: Key Players, Perspectives, and Expectations

**Moderator:****Richard Gledhill**

Senior Partner, Climate Change and Carbon Markets  
PriceWaterhouseCoopers

**Christiana Figueres**

Executive Secretary  
UNFCCC

**Zaheer Fakir**

Co-Chair, Green Climate Fund Board  
Department of Environmental Affairs, South Africa

**Stefan Schwager**

Co-Chair  
UN Standing Committee on Finance

**Federico Ramos**

State Secretary for Environment  
Ministry of Agriculture, Food and Environment, Spain

**Barbara Buchner**

Director  
Climate Policy Initiative (CPI)

**Abyd Karmali**

Managing Director, Global Head of Carbon Markets  
Bank of America Merrill Lynch

The UN Standing Committee on Finance (SCF) and the Green Climate Fund (GCF) are tasked with playing integral roles in realizing ambitious climate finance commitments. Unprecedented work that requires deep research, engagement, and 'testing' with non-government stakeholders. This unique plenary will showcase public, private, and multi-lateral perspectives behind the SCF and GCF, and how to realize the annual \$100 billion commitment into mitigation and adaptation activities by 2020. Discussion touches on reviewing the landscape of most relevant institutions providing climate finance, business model framework options and resource mobilization, opportunities and challenges for the SCF Forum, and climate finance expectations heading into Warsaw and beyond.

## 15:15 Coffee Break &amp; Visit the Trade Fair

## 15:45 P3 - Catalyzing a Globally Connected Carbon Market

**Moderator:****Neeraj Prasad**

Manager, Climate Change Practice  
World Bank Institute

**Robert Owen-Jones**

Assistant Secretary, Global Markets Branch  
Department of Climate Change and Energy Efficiency,  
Australian Government & Co-Chair, Partnership for Market  
Readiness (PMR)

**Dirk Forrister**

President & Chief Executive Officer  
International Emissions Trading Association (IETA)

**David Hone**

Group CO2 Advisor  
Shell

**Lars Zetterberg**

Senior Scientist and Director, Business Development  
IVL Swedish Environmental Research Institute

**David Antonioli**

Chief Executive Officer  
VCS Association

A predictable carbon price is part of the answer to avoiding a 4 degrees world. Although the current system was successful in demonstrating that pricing carbon can redirect investment flows into low-carbon investments, it is limited in scope and structure to deliver emissions reductions at scale. A global carbon market in the future is more likely to be a linked network of domestic and regional schemes. What do we need to do to lay the groundwork for such a global networked market?

## 17:00 Short Break

\* - Invited, pending confirmation

## 17:15 P4 - 10th Anniversary Celebration Round Table "Learning from the Legends"

**Moderator:****Henry Derwent**

Senior Climate Change Consultant & Honorary Vice President  
International Emissions Trading Association (IETA)

**Christiana Figueres**

Secretary General  
UNFCCC

**Jos Delbeke**

Director General for Climate Action  
European Commission

**Raúl Estrada-Oyuela**

Chairman, Kyoto Conference of the Parties, UNFCCC & Former  
Vice-Chairman of the Intergovernmental Negotiating Committee  
for a Framework Convention on Climate Change (INC/FCCC)  
Argentina

**Daniel A. Reifsnyder**

Deputy Assistant Secretary for Environment  
U.S. Department of State

**Luiz Gylvan Meira Filho**

Former Adviser to the Brazilian Government in the UNFCCC and Kyoto  
Protocol Process & Former Co-Chair, IPCC Science Working Group  
Brazil

**Michael Zammit Cutajar \***

Former Assistant Secretary-General of the United Nations  
Executive Secretary, UNFCCC & Malta's Ambassador on Climate Change

**Ken Newcombe**

Chief Executive Officer - C-Quest Capital  
& Former Manager, Carbon Finance Business - World Bank

As the global community intensifies negotiations on a post 2020 climate agreement, the task seems daunting. Economic crisis and recovery vs. climate crisis and green growth opportunities. Diplomats must rise above their political differences to chart a path forward and blend most economically efficient mitigation options with solutions that are politically viable and sustainable. In another decade and another century, a group of climate diplomats created international environmental history by producing the Kyoto Protocol, with its Clean Development Mechanism, Joint Implementation program and international emissions trading. These mechanisms launched a global business in climate mitigation that unleashed more action on climate mitigation than ever before. But it was only a start – and much more work is needed. This session will bring back climate diplomats who delivered the Kyoto Protocol to offer insights for future negotiations.

18:45

## 19:00 CARBON EXPO 2013 "Meet the Carbon Market" Evening Reception

09:00 **P5 - Working Where it Matters: Developing Tailored Approaches to Climate Action in Cities**

**Moderator:**

**Rohit T. Aggarwala**  
Special Advisor to the Chair  
C40 Cities Climate Leadership Group

**Antoni Vives**  
Deputy Mayor for Urban Habitat  
Barcelona City Council

**Kenji Suzuki**  
Director, International Environment Bureau of Environment  
Tokyo Metropolitan Government

**Edoardo Croci**  
Former Deputy Mayor  
City of Milan, Italy

**B.M.S. Batagoda**  
Deputy Secretary to the Treasury  
Ministry of Finance and Planning, Sri Lanka

By 2050, global urban population is estimated to grow to 6.4 billion. Annual GHG emissions of the world's largest 100 cities are equivalent to an estimated 75% of emissions in EU countries. Scaling up actions for low carbon city development would substantially reduce emissions and enhance resilience. Working with cities matters: what is needed to trigger climate action at scale? Panelists will discuss mitigation potential and options in cities as well as different alternatives to strengthen resilience, present solutions that cities need, and how to catalyze financing for low-carbon city development

10:15 **Coffee Break & Visit the Trade Fair**

10:45 **Policy Stream**      **Climate Finance Stream**      **Clean Energy & Clean Tech Stream**

**W1 - Preparing for the Next Generation of Carbon Pricing Instruments**

**Moderator:**

**Juan Pedro Searle**  
Co-chair, Partnership for Market Readiness & Sustainable Development Office, Ministry of Energy, Chile

**Wang Shu**  
Deputy Director, Climate Change Department  
National Development and Reform Commission, People's Republic of China

**Aloisio de Melo**  
General Coordinator on Environment and Climate Change, Secretariat for Economic Policy  
Ministry of Finance, Brazil

**Karl Upston-Hooper**  
Legal Counsel  
Greenstream

**Giles Dickson**  
Vice President, Environmental Policies & Global Advocacy  
Alstom

An increasing number of countries which represent very diverse economies are evaluating and piloting innovative approaches to cost-effective greenhouse gas mitigation, including domestic emissions trading schemes, new carbon crediting instruments, and carbon taxes. They are all laying the groundwork for a predictable price on carbon, but keeping track of these trends and developments is not easy. Panelists will review the emergence of regional or domestic initiatives in this new generation of countries taking action towards climate change, what the drivers and opportunities behind this bottom-up process might be, and what challenges the current generation of carbon markets can help overcome.

**W2 - Producing Powerful Incentives Through Results-Based Financing**

**Moderator:**

**Paul Bodnar**  
Foreign Affairs Officer  
United States State Department

**Alvaro Umaña**  
Advisor  
Ministry of Environment and Energy, Costa Rica

**Rupert Edwards**  
Managing Director  
Climate Change Capital

**Thomas Myhrvold-Hanssen**  
Senior Adviser  
Ministry of Finance, Norway

**Jiwan Acharya**  
Senior Climate Change Specialist  
Asian Development Bank

Performance-based payments produce powerful incentives and can often result in effective robust project implementation structures. Panelists will introduce different forms of results-based financing and how it can interact with other forms of finance to generate opportunities in climate markets with significant development co-benefits. They will share lessons learned in designing and implementing existing programs and discuss the potential specifically for methane as well as for broadening its application in order to achieve sustained and recurrent climate investment.

**W3 - Producing Powerful Incentives Through Results-Based Financing**

**Moderator:**

**Scott McGregor**  
Chief Executive Officer  
Camco Clean Energy

**Guy Turner**  
Global Head of Clean Energy Policy  
Bloomberg New Energy Finance

**Kristian Tangen**  
Co-Founder  
Differ Group

**Laura Natalia Rojas Sánchez**  
Senior Energy Analyst, Energy Division  
Inter-American Development Bank

**José Luis Tejera**  
Director, Development and Climate Change Unit  
AENOR

The world's clean energy investment & deployment landscape has undergone dramatic changes in recent years. Join this special session to learn more about: current and projected trends in global clean energy investment and deployment; key economic, policy, and technology factors that are driving these developments; how major markets, like the US, Europe, China, and India, are enabling or impeding clean energy deployment; how different types of investors are evaluating various clean energy project risks and opportunities; and more.

11:45 **Short Break**

\* - Invited, pending confirmation

12:00	Policy Stream	Climate Finance Stream	Clean Energy & Clean Tech Stream
	<p><b>W4- A Post-Doha Look at the Framework for Various Approaches and New Market Mechanisms (FVA/NMM)</b></p> <p><b>Moderator:</b>  <b>Jeffrey Swartz</b>                      Director, International Policy                      International Emissions Trading Association (IETA)</p> <p><b>Arne Eik</b>                      Leading Advisor on Climate, Corporate Sustainability Unit, Statoil</p> <p><b>Giza Gaspar Martins</b>                      Chair, DNA Forum &amp; Coordinator                      CDM Designated National Authority, Angola</p> <p><b>Andrew Prag</b>                      Environment Directorate                      OECD</p> <p><b>Madlen King</b>                      Global Head of Climate Change &amp; Sustainability                      Lloyd's Register Quality Assurance</p> <p><b>Yuji Mizuno</b>                      Director for International Negotiations,                      Climate Change Policy Division                      Ministry of the Environment, Japan</p> <p>The new framework (FVA) that facilitates the further development of market-based instruments and allows linking of those that already exist must be attractive to all key actors: developing countries, developed countries, and investors. The design will have an important impact on the ability of the FVA to achieve this. The FVA now under discussion at the UNFCCC, in combination with plans for a New Market Mechanism (NMM) under the Convention, offers the opportunity to deliver such a global market that could then sit at the heart of the new agreement negotiated under the ADP. Will this be a boom or a burden on the carbon market?</p>	<p><b>W5 - Public and Private Climate Finance: Finding the Right Balance</b></p> <p><b>Moderator:</b>  <b>Katie Sullivan</b>                      Director - North America Policy and International Climate Finance                      International Emissions Trading Association (IETA)</p> <p><b>Jean Yves Caneill</b>                      Head of Environmental Affairs                      EDF Group</p> <p><b>Jose Juan Gomes</b>                      Chief Economist and Manager of the Research Department                      Inter-American Development Bank (IADB)</p> <p><b>Anthony Hobley</b>                      President                      Climate Markets &amp; Investors Association (CMIA)</p> <p><b>Takashi Hongo</b>                      Senior Fellow                      Mitsui Global Strategic Studies Institute</p> <p>If the international community is committed to financing large-scale mitigation of GHG and adaptation to climate change, multi-sector discussion must focus on building architecture that enables practical solutions capable of utilizing the full spectrum of instruments which could be deployed on a blended basis. Public policy and finance play a crucial role in creating an incentive framework for private flows while private initiatives are essential to raise resources on a large enough scale. This session will hear from international climate finance experts on potential barriers for mobilization and delivery of public climate funding, while exploring private sector solutions and alternative paradigms that might drive massive sums of private sector financial flows into mitigation and adaptation activities. Panellists will share insights into how financial instruments, business models and incentives can provide for scaled, efficient climate finance across the globe.</p>	<p><b>W6 - Driving Low-Emissions Development at the Sub-National Level: Experiences from the Field</b></p> <p><b>Moderator:</b>  <b>Adrian Rimmer</b>                      Chief Executive Officer                      The Gold Standard Foundation</p> <p><b>Manel Torrent</b>                      Projects Director                      Barcelona Energy Agency</p> <p><b>Tba</b>                      Provincial Electricity Authority,                      Thailand</p> <p><b>Miguel Rescalvo</b>                      Regional Director                      DNV KEMA Energy &amp; Sustainability</p> <p><b>Qingqing Li</b>                      Carbon Accounting Centre                      Shanghai Environment and Energy Exchange</p> <p>Amidst uncertainty in the international climate regulatory landscape, sub-national governments are moving ahead with bold climate policies and market-based approaches to low-emissions development. This session will highlight experiences from the field with presentations from cities and states that are driving the low-carbon agenda at the local scale by putting into action innovative ideas with global implications.</p>
13:00	<p><b>Buffet Lunch &amp; Visit the Trade Fair</b></p>	<p><b>CARBON EXPO Special Dialogue</b></p> <p><b>SD1 - The Business Partnership for Market Readiness (BPMR): Supporting Businesses and Sharing Best Business Practices in the Next Wave of Carbon Markets</b></p> <p><b>Moderator:</b>  <b>Mark Proegler</b>                      Climate and Transport Energy Policy                      BP</p> <p><b>Zhuli Hess</b>                      Director                      Verified Carbon Standard (VCS), China</p> <p><b>Xueman Wang</b>                      PMR Secretariat                      World Bank</p> <p><b>Madlen King</b>                      Global Head of Climate Change &amp; Sustainability                      Lloyd's Register Quality Assurance</p> <p>Towards the end of 2012, and following on the success of the World Bank's Partnership for Market Readiness (PMR), IETA launched a new "Business Partnership for Market Readiness" (B-PMR) to create a new initiative to help businesses in the PMR countries meet the challenges of emissions trading and market based policy tools. IETA aims to enhance the potential for workable international carbon trading models to emerge around the world, to raise the level of understanding and awareness of industries on emissions trading and other market-based policy tools in PMR-implementing countries. This is being done in concert with the host governments of each BPMR country, the World Bank and PMR donor countries. This special lunch dialogue will explore how the BPMR works, gather feedback on the 1st Mission in Guangdong, China, and seek feedback from the audience on how to strengthen to BPMR going forward.</p>	

\* - Invited, pending confirmation

14:00 P6 - Maximizing the Potential for Green Investments: The Challenge of Effective Policy Implementation

**Moderator:**

**Derek Batte**

Senior Manager: New Business Development  
South African National Energy Development Institute (SANEDI)

**Alicia Montalvo**

Director, Infrastructure, Environment, Energy & ITCs Division  
ICEX Spain Trade and Investment; Ministry of Economy & Competitiveness

**Luiz Maurer**

Principal Industry Specialist  
Climate Business Group, IFC

**S Raghupathy**

Executive Director  
Confederation of Indian Industry

**Jorge Wolpert**

Director General for Sustainability  
National Housing Commission (CONAVI), Mexico

Transitioning to a pathway of Green Growth is becoming increasingly important as climate change poses major challenges to development. As countries explore innovative and cost-effective Green Growth Policies to scale-up emissions reductions and foster private sector investment, they are also facing unique challenges in effectively implementing these policies. In this session, panelists from five countries will share emerging experience and key insights into the challenges and opportunities in truly harnessing the green growth potential.

15:15 Coffee Break & Visit the Trade Fair

15:45 Policy Stream Climate Finance Stream Clean Energy & Clean Tech Stream

W7 - CDM & JI – The Review Year and the Elephant in the Room

**Moderator:**

**Ulrika Raab**

Head, International Climate Policy Section  
Swedish Energy Ministry

**Thomasz Chruszczow**

Special Envoy for Climate Change  
Ministry of Environment, Poland

**Robin Rix**

Lead, Strategy Development  
UNFCCC

**Flavio Gomes**

Business Unit Manager, Assurance  
Bureau Veritas

**Dicky E. Hindarto**

Coordinator, Carbon Trading Mechanism Division  
National Council on Climate Change, Indonesia

Governments will spend the year under the UNFCCC taking a deep look at the CDM and JI and the experiences it yielded. What this review then brings to COP 19 in Warsaw is uncertain: What role will the CDM and JI play in a new climate agreement and what supporters does it have? Will Australia's link to the EU restore confidence in Brussels for these mechanisms? This debate-and discussion-will try to answer those questions. In any case, the CDM and JI still remain but their glory days have long gone. This session will try to answer the elephant in the room: What next?

W8 - Challenges and Opportunities Facing Adaptation Finance

**Moderator:**

**Ana Fornells**

Coordinator, International Affairs Division,  
Ministry of Agriculture, Food and Environment,  
Spain & Former Chair, Adaptation Fund Board

**Peter Odhengo**

Executive Coordinator  
Greening Kenya Initiative

**Jorge Barrigh**

General Director  
Ecoresources

**Gray Taylor**

Co-Chair, Climate Change & Emissions Trading  
Bennett Jones

**Monica Araya**

LAC Regional Coordinator, LEDS Global  
Partnership & Senior Advisor, Climate Finance  
Ministry of Environment and Energy, Costa Rica

There's no denying that climate change impacts have started to rear their ugly - and costly - heads worldwide. Despite widespread agreement that adaptation measures matter – as much as, if not more than, mitigation activities – there's anything but agreement around the potential costs of adaptation, as well as how such measures will be financed. Governments have a significant role to play in financing adaptation. But, for reasons explored during this session, public funds can't be the only solution to the adaptation challenge. Join this session to learn more about: the quest to drive private capital into adaptation activities; innovative adaptation finance instruments and scale-up potential; and the latest on climate-resilient "enabling frameworks", cropping up across regions and sectors.

W9 - The Multiple Benefits of Climate Smart Agriculture

**Moderator:**

**Ellysar Baroudy**

Manager, BioCarbon Fund  
The World Bank

**Christopher Webb**

Carbon Markets and Forest Carbon Specialist  
PwC

**Ana Meyer**

Carbon Manager  
Green Resources

**Karla Canavan**

Commercial Director  
Bunge Environmental Markets

**Rob Fowler**

Policy Director, Australia & New Zealand  
International Emissions Trading Association  
(IETA)

Providing food for a growing population at a time of climate change is becoming an increasingly major challenge – agricultural production must increase by 70 percent in order to fill the needs of food security. Yet due to the large emissions from the agricultural sector, countries need to find ways that make agriculture emit less and produce more. How can countries support innovative approaches that incentivizes climate-smart agricultural techniques that increase farm productivity and incomes, make agriculture more resilient to climate change, while also contributing to mitigation?

16:45 Short Break

\* - Invited, pending confirmation

17:00	Policy Stream	Climate Finance Stream	Clean Energy & Clean Tech Stream
18:00	<p><b>W10 - Room For More? Adding Complementary Measures to the Carbon Policy Toolkit</b></p> <p><b>Moderator:</b>  <b>Katie Kouchakji</b>                      Editor, Carbon Finance                      Environmental Finance</p> <p><b>Tom Lawler</b>                      Director, US Policy                      International Emissions Trading Association (IETA)</p> <p><b>Marcus Ferdinand</b>                      Senior Market Analyst                      Point Carbon Thomson Reuters</p> <p><b>Matthew Gray</b>                      Lead Emissions Analyst                      Jefferies Bache</p> <p><b>Alexandre Marty</b>                      Head of Policy, Carbon and Environmental Markets                      EDF Trading</p> <p>Carbon markets rarely exist in a vacuum. Indeed, they must fit alongside other measures targeting transportation fuels, renewable energy deployment, energy efficiency measures and many other government policies. This has an impact on carbon markets and prices faced by covered entities. Governments must ensure transparency in the carbon price signal sent to industry, and avoid adding unnecessary complexity to the marketplace. Co-ordination and simplicity are critical to build a successful framework of national climate and energy policies. Complementary measures are already impacting functioning markets in Europe and California, as well as the Kyoto mechanisms. This discussion will look at the regulatory environment for the global carbon market in 2013-with specific interventions from experts in these markets.</p>	<p><b>W11 - NAMAs - Realizing Their Potential</b></p> <p><b>Moderator:</b>  <b>Miriam Hinojosa</b>                      Head of Programme, Energy &amp; Carbon Finance                      UNEP Risoe Centre</p> <p><b>Claudio Forner</b>                      Team Leader, Mitigation, Data &amp; Analysis                      UNFCCC Secretariat</p> <p><b>Gabriela Pignataro</b>                      Ministry of Housing, Territorial Planning and Environment                      Uruguay</p> <p><b>Sebastian Hach</b>                      International Climate Policy                      KfW Development Bank</p> <p><b>Marc André Marr</b>                      Director                      Perspectives</p> <p>Nationally Appropriate Mitigation Actions - NAMAs - are becoming a widely used instrument to promote low emissions development interventions. Governments, international development banks and private companies are testing various approaches to the design of NAMAs. Several countries have made initial NAMA submissions to the UNFCCC, offering useful precedents, while others are currently piloting NAMA programs with the support of donor agencies. Panelists will share main insights gained from experience on the ground so far, and discuss key issues and challenges to bring proposals and prototypes to actual implementation.</p>	<p><b>W12 - Engaging the Private Sector to Meet Growing Energy Demand: How can Market-Based Instruments Support Renewable Energy &amp; Energy Efficiency?</b></p> <p><b>Moderator:</b>  <b>James Whale</b>                      Director of Point Carbon Advisory Services                      Commodities and Energy                      Thomson Reuters Point Carbon</p> <p><b>Oliver Weissbein</b>                      Energy and Environment Group                      UNDP</p> <p><b>Aldo Baietti</b>                      Lead Infrastructure Specialist                      World Bank</p> <p><b>S Raghupathy</b>                      Executive Director                      Confederation of Indian Industry</p> <p><b>Fernando Cubillos</b>                      Manager                      Antuko Energy, Chile</p> <p><b>Chaiwat Muncharoen</b>                      Deputy Executive Director                      Thailand Greenhouse Gas Management Organization (TGO)</p> <p>In the wake of an increasing demand for energy, renewable sources of energy and the use of energy efficiency technologies will play an important role in the world's energy markets. The development of renewable energy and the use of energy efficient technologies largely rely on effective public policy strategies that also involve the private sector. This session focuses on market based policy instruments for renewable energy and energy efficiency. It discusses innovative policy options such as renewable energy credits (RECs) and competitive procurement, that have been proven useful in order to engage private sector stakeholders.</p>

\* - Invited, pending confirmation

09:00	Policy Stream	Climate Finance Stream	Clean Energy & Clean Tech Stream
	<p data-bbox="159 174 486 201"><b>W13 - NAMAs and Carbon Markets</b></p> <p data-bbox="159 291 263 313"><b>Moderator:</b></p> <p data-bbox="159 331 582 436"><b>David Sawyer</b> Vice-President, Climate, Energy and Partnership International Institute for Sustainable Development (IISD)</p> <p data-bbox="159 448 518 548"><b>Luis Muñozcano</b> Director, Climate Change Ministry of the Environment and Natural Resources, Mexico</p> <p data-bbox="159 560 550 660"><b>Frauke Röser</b> Managing Consultant, International Climate Policies Ecofys</p> <p data-bbox="159 672 526 750"><b>Ash Sharma</b> Vice President, Carbon Finance and Funds NEFCO</p> <p data-bbox="159 761 470 840"><b>Eduardo Dopazo</b> Senior Advisor DNV KEMA Energy &amp; Sustainability</p> <p data-bbox="159 918 598 1176">What is a 'credited NAMA'? An area that remains ambiguous in the international climate policy discussions is the relationship between NAMAs and carbon markets. At the same time, more and more developers of mitigation programs across sectors are assessing approaches to generate tradable carbon credits as a source of revenues for their NAMAs. Climate policy thought leaders and development practitioners will sit together to discuss NAMA crediting against the background of international policy considerations, technical challenges and market expectations.</p>	<p data-bbox="614 174 1029 257"><b>W14 - Africa - Innovation in Carbon Finance to Support Access to Energy and Other Poverty Reducing Technologies</b></p> <p data-bbox="614 291 718 313"><b>Moderator:</b></p> <p data-bbox="614 331 1045 403"><b>Brice Quesnel</b> Fund Manager, Carbon Initiative for Development The World Bank</p> <p data-bbox="614 436 1013 526"><b>Ola Hansén</b> Head of the International Carbon Market Unit Swedish Energy Agency</p> <p data-bbox="614 537 973 616"><b>Nils Medenbach</b> Manager, Africa Carbon Market Activities KfW PoA Support Centre</p> <p data-bbox="614 627 734 705"><b>Adriaan Tas</b> Director Africa Carbon</p> <p data-bbox="614 716 941 817"><b>John Kilani</b> Director of Sustainable Development Mechanisms (SDM) UNFCCC</p> <p data-bbox="614 828 821 907"><b>Edward Hanrahan</b> Chief Executive Officer ClimateCare</p> <p data-bbox="614 918 1045 1108">How can innovative business models be developed in partnerships with governments and the private sector to enable carbon based payments to finance projects that reduce carbon emissions and have high development benefits in LDCs. A focus on household level results, such as biogas, household solar and micro-hydro power that can be more easily replicated without large capital investments.</p>	<p data-bbox="1069 174 1460 257"><b>W15 - Up &amp; Away: Aviation's Low-Carbon Technologies, Costs, Politics/Policies, and Market Measures</b></p> <p data-bbox="1069 291 1173 313"><b>Moderator:</b></p> <p data-bbox="1069 331 1292 403"><b>Andrew Pozniak</b> Managing Director Green Aviation Solutions</p> <p data-bbox="1069 436 1500 526"><b>Antonio de Palmas</b> Vice President, Boeing International President of European Union and NATO Relations</p> <p data-bbox="1069 537 1476 638"><b>Michel Adam</b> Lead Coordinator Environmental Policy, Aviation Environment International Air Transport Association (IATA)</p> <p data-bbox="1069 649 1300 728"><b>Ally Charlton</b> Carbon Solutions Director Climate Friendly</p> <p data-bbox="1069 739 1189 817"><b>Peter Zaman</b> Partner Reed Smith</p> <p data-bbox="1069 828 1189 907"><b>James Atkins</b> Manager Vertis</p> <p data-bbox="1069 918 1508 1243">The aviation sector has put forward ambitious targets to reduce its carbon footprint, with carbon neutral growth from 2020 onwards and halving 2005 emissions by 2050. A combination of investments and policies will be needed for the aviation industry to achieve this. From improved aircraft design, more efficient air infrastructure for flights, and increased use of aviation biofuels, technology holds the potential to make significant contribution to stabilise, and ultimately reduce, emissions in a growing sector. Markets, and carbon trading, will also be crucial, and are the subject of current discussions under the International Civil Aviation Organisation (ICAO). This panel brings together experts closely involved in the debate over how aviation will fulfill its environmental objectives.</p>
10:00	<b>Coffee Break &amp; Visit the Trade Fair</b>		

\* - Invited, pending confirmation

10:30	Policy Stream	Climate Finance Stream	Clean Energy & Clean Tech Stream
	<p><b>W16 - Early Market Development in Australia and the Impacts of Political Uncertainty</b></p> <p><b>Moderator:</b>  <b>Peter Castellas</b>                      Chief Executive Officer                      Carbon Market Institute</p> <p><b>Chloe Munro</b>                      Chair &amp; Chief Executive Officer                      Clean Energy Regulator, Australian Government</p> <p><b>Simon Writer</b>                      Assistant Secretary, Carbon Pricing and Markets Division, Department of Innovation, Industry, Climate Change, Science, Research and Tertiary Education - Australian Government</p> <p><b>Mike McKensey</b>                      Head of Carbon Trading, Commodities, Carbon and Energy                      The Westpac Group</p> <p><b>Andrew Grant</b>                      Chief Executive Officer                      CO2 Group</p> <p><b>Martijn Wilder</b>                      Partner &amp; Head of Global Environmental Markets and Climate Change Practice                      Baker &amp; McKenzie</p> <p>Australia's Carbon Price Mechanism came into effect in July 2012. Liable entities are now preparing for the end of the first compliance period. Early market movers are generating domestic offsets for compliance use under the domestic offset scheme, the Carbon Farming Initiative. Others have developed financial products using domestic and international offsets to assist entities to meet their liabilities and manage exposure. However, early market development has been [clouded?] by uncertainty regarding the Scheme's long-term future and design due to Australia's current political environment. With an election looming in September, the outcome of which may impact on the future of the scheme, how has the market been affected and what has been the reaction of liable entities?</p>	<p><b>W17 - The Voluntary Carbon Market – Financing Innovation, Perspectives from Industry, Corporate and NGO Community</b></p> <p><b>Moderator:</b>  <b>Jamal Gore</b>                      Managing Director                      Carbon Clear</p> <p><b>Louis Redshaw</b>                      Managing Director and Global Head of Environmental Markets                      Barclays Capital</p> <p><b>Nieves Cifuentes Valero</b>                      Head of the Environment Department                      Gas Natural Fenosa</p> <p><b>Christian Som</b>                      Manager Climate &amp; Business                      WWF</p> <p><b>Gerald Maradan</b>                      Chief Executive Officer                      Eco Act</p> <p>The nature of the voluntary carbon markets have typically required projects that deliver a range of co-benefits in order to attract corporate investment. Many of these innovations have filtered through to regional and global compliance carbon markets. How does the industry now see opportunities for investment in the voluntary market. What is the role of blended finance ? How can sustainable development and adaptation efforts leverage voluntary market investment ? We discuss the issues with representatives of industry, corporate buyers and environmental nonprofits.</p>	<p><b>W18 - Supporting Innovations for Clean Energy Access - What Role for Climate Finance?</b></p> <p><b>Moderator:</b>  <b>Agnes Biscaglia</b>                      Innovative Finance                      Agence Française de Développement (AFD)</p> <p><b>Pradeep Pursnani</b>                      Acting Director                      Shell Foundation</p> <p><b>Erwin Spolders</b>                      Chief Executive Officer                      Redavia</p> <p><b>Venkat R. Putti</b>                      Program Team Leader, Energy Access                      Energy Sector Management Assistance Program (ESMAP)</p> <p><b>Thomas Andre*</b>                      Sustainable Development- Access to Energy                      Program-Business Development                      Schneider Electric</p> <p>Ensuring clean energy access is key for both poverty reduction and climate change agendas. New financing mechanisms are needed to maximize the support for new technologies and business models that have the potential to provide for tomorrow's solutions. This session will provide space for a brainstorming on the role that climate finance can play in fostering private sector engagement in the field of energy access?</p>
11:30	Short Break		

\* - Invited, pending confirmation

## 11:45 P7 - What's at Stake for the EU ETS ? How can the scheme maintain its relevance as the EU's main climate policy instrument?

**Moderator:****Andrei Marcu**

Senior Advisor and Head of the CEPS Carbon Market Forum  
Centre for European Policy Studies (CEPS)

**Yvon Slingenberg**

Head of Unit Implementation of the EU ETS, Directorate  
General for Climate Action  
European Commission

**Carsten Schirmeisen**

Manager Carbon Business  
Holcim

**Graham Stuart**

Partner  
Baker & McKenzie

**Dirk Weinreich**

Head of Division E II 3 - Legal Issues Climate Policy, Emissions Trading  
German Emissions Trading Authority at the Federal Environment Agency

**Bill Kyte**

Senior Advisor, Climate Change, E.ON  
Hon President, UK Emissions Trading Group  
Chief Advisor, International Climate Policy, EURELECTRIC  
Director, International Electricity Partnership

Come and hear the arguments from leading European policy makers and business and environmental stakeholders regarding the future of the EU ETS. After the Parliament's rejection of the Commission's proposal on backloading, what is the likelihood of the proposal being adopted? What consequences does this uncertainty in the short-term have for the future reform of scheme?

With the start of discussions on structural measures to address the current difficulties facing the EU ETS, how are these discussions likely to evolve without further clarity on the EU's short-term policy direction?

Come and discuss your views on what type of structural reforms are needed, and debate with leading policy makers whether you think the EU ETS needs to be reformed, and what you think the scheme should aim to deliver. The debate will also address longer term considerations regarding the EU's 2030 climate and energy package.

## 13:00 Buffet Lunch &amp; Visit the Trade Fair

## CARBON EXPO Special Dialogue

SD2 - CARBON EXPO Special Dialogue - A Science Update: Risks and Opportunities Presented by Climate Change

**Moderator:****Anthony Hogley**

Partner, Global Head, Climate Change and Carbon Finance  
Norton Rose

**Peter Backlund**

Director of External Relations and Director of the Integrated Science Program  
National Center for Atmospheric Research (NCAR)

**John Holdren\***

Assistant to the President for Science and Technology, Director of the White House  
Office of Science and Technology Policy  
Co-Chair of the President's Council of Advisors on Science and Technology (PCAST)

**Antonio Navarra**

President  
Italian Society for Climate Sciences (SISC)

Over the next 18 months, new science is emerging that could impact strategic planning for businesses – both for adapting to changes in the climate and responding to new climate policies and market opportunities. As new scientific information appears, it can be challenging to communicate – both to colleagues and external stakeholders. This session will highlight risks and opportunities presented by climate change – and how scientific information is best communicated by business.

14:00

\* - Invited, pending confirmation

14:00	Policy Stream	Climate Finance Stream	Clean Energy & Clean Tech Stream
	<p><b>W19 - Climate Mitigation Efforts with Fiscal Benefits: Carbon Taxation and removing harmful fossil fuel subsidies</b></p> <p><b>Moderator:</b>  <b>Klaus Oppermann</b>                      Senior Carbon Finance Specialist                      World Bank</p> <p><b>Henrik Hammar</b>                      Senior Administrative Officer                      Ministry of Finance, Sweden</p> <p><b>Cristina Garcia Herrera</b>                      Institute of Fiscal Studies                      Ministry of Economy and Finance, Spain</p> <p><b>Mpho Legote</b>                      Senior Economist                      National Treasury, South Africa</p> <p><b>Sigurd Klakeg</b>                      Deputy Director General                      Ministry of Finance Norway</p> <p><b>Srikanth Venugopal*</b>                      Director, Environmental Risk &amp; Trading                      TransCanada</p> <p>Taxing carbon and removing harmful fossil fuel subsidies have become increasingly interesting for countries that are looking for a cost-effective way to reduce greenhouse gas emissions while obtaining fiscal benefits. In an effort to shed more light on the environmental potential and its positive budgetary impact, this session invites a panel of experts to discuss the merits and challenges of taxing carbon or removing fossil fuel subsidies. The panelists will discuss potential impacts on greenhouse gas mitigation, international trade, its distributional effects and especially how taxing carbon or removing fossil fuel subsidies could relate to carbon markets.</p>	<p><b>W20 - Implementing REDD+: Experience from the Private Sector &amp; How do we Maintain Private Investment?</b></p> <p><b>Moderator:</b>  <b>Richard Saines</b>                      Principal                      Baker &amp; McKenzie</p> <p><b>Stephen Matzie</b>                      Investment Officer                      USAID</p> <p><b>Christie Pollet-Young</b>                      Senior Manager, Greenhouse Gas Verification program                      SCS GLOBAL SERVICES, California</p> <p><b>Carlos Ludena</b>                      Senior Economist                      Inter-American Development Bank</p> <p><b>Mercedes Fernandez</b>                      Leader Environmental Legal Group                      Climate Focus</p> <p><b>Ludovino Lopes</b>                      Founder, LudovinoLopes Lawyers                      President of the Brazilian Chamber of E-Commerce</p> <p>REDD+ has progressed in recent years to create sophisticated and high quality projects using expertise from the private sector. This has allowed projects to secure financing from a variety of private investment sources. This panel brings together private sector actors from across the project cycle to demonstrate how projects are structured, implemented and marketed, and the outlook for future expansion of activities including overcoming risk for private sector investment as trends lean towards jurisdictional REDD+ accounting and policy.</p>	<p><b>W21 - A Tale of Two Regions: Europe, North America, and Low-Carbon Technologies</b></p> <p><b>Moderator:</b>  <b>Trevor Sikorski</b>                      Head of Natural Gas, Coal and Carbon Research                      Energy Aspects</p> <p><b>Russel Mills</b>                      Global Director of Energy &amp; Climate Change Policy                      Dow Chemicals</p> <p><b>Belinda Morris</b>                      California Director                      American Carbon Registry (ACR)</p> <p><b>Jelena Simjanović</b>                      Senior Market Analyst &amp; Emerging Markets Manager                      Thomson Reuters</p> <p><b>Jesse Scott *</b>                      Head of Unit Environment &amp; Sustainable                      Development Policy                      Eurelectric</p> <p>Different energy de-carbonization stories are playing-out in Europe and North America, due to factors like unconventional gas development, pipeline politics, and regional climate policies. Where are investments in transformative low-carbon technologies taking place? Which policy and financing enabling frameworks are needed to drive such investments? And how is North America's shifting energy sector affecting fuel consumption in Europe?</p>
15:00	Short Break		
15:15	<p><b>P8 - The Decade Ahead for Carbon Markets</b></p> <p><b>Moderator:</b>  <b>Dirk Forrister</b>                      President &amp; Chief Executive Officer                      International Emissions Trading Association (IETA)</p> <p><b>Nicole Singh</b>                      Executive Director                      Regional Greenhouse Gas Initiative (RGGI), Inc.</p> <p><b>Qingqing Li</b>                      Carbon Accounting Centre                      Shanghai Environment and Energy Exchange</p> <p><b>John Kilani</b>                      Director for Sustainable Development Mechanisms                      UNFCCC</p> <p><b>Jan-Willem van de Ven</b>                      Head of EBRD-EIB Multilateral Carbon Credit Fund                      European Bank for Reconstruction and Development</p> <p><b>John Drexhage</b>                      Director, Environment and Climate Change                      International Council on Mining and Metals (ICMM)</p> <p>CARBON EXPO has provided the leading forum for carbon market participants over the last decade. Carbon markets have evolved from concept to reality in Europe and beyond. Through the CDM and JI mechanisms private investment has flown to sustainable development outside of the industrialised world. Innovative policies and financing opportunities continue to emerge across the world. There are many remaining hurdles to be cleared, and actions to be taken. However, the leaps taken since the first CARBON EXPO to today provide some positive signs that governments and businesses will step up. To close this 10th Edition, this session reflects on the previous decade and looks ahead to the opportunities and challenges of future years.</p>		
16:30			

\* - Invited, pending confirmation

# CARBON EXPO

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