




**CARBON  
EXPO**

Global Carbon Market  
Fair & Conference

**26-28 May 2015**  
**Barcelona, Spain**

[www.carbonexpo.com](http://www.carbonexpo.com)



# Conference

## Program

# Conference Program Overview

## DAY 1 - TUESDAY - 26 MAY

08:00	Registration & Visit the Trade Fair		
09:00	CARBON EXPO 2015 Press Conference Room 12, Level 0	T1 - Blending Donor Funds for Impact Room 4, Level 2	T2 - Carbon Prices and Projections Who Says What? Room 3, Level 2
10:00	Coffee Break & Visit the Trade Fair		
10:45	CARBON EXPO 2015 Opening Ceremony <i>(OPEN TO ALL CATEGORIES OF DELEGATES/VISITORS)</i> Auditorium, Level 3		
12:00	Short Break		
12:30	P1 - Carbon Pricing Leadership: From Vision to Action Auditorium, Level 3		
13:45	Buffet Lunch & Visit the Trade Fair	SD1 - Special Dialogue: CDM beyond Paris, by the UNFCCC Room 3, Level 2	
14:30	P2 - Climate Finance: Innovative Pathways for Closing the Gap Auditorium, Level 3		
15:45	Coffee Break & Visit the Trade Fair		
16:15	P3 - CEO Roundtable on the Road to Paris Auditorium, Level 3		
17:30	Short Break		
17:45	P4 - The Entrepreneurs - The First Ascent: An Oral History of Business Leadership Auditorium, Level 3		
20:00	Meet the Carbon & Energy Market Evening Reception		

### LEGEND

- Plenary Session / Opening Ceremony
- Training Session
- Special Dialogue
- Training Session
- Workshop - Emissions Markets & Carbon Pricing Stream
- Workshop - Climate Finance & Investment Stream
- Workshop - Climate Technologies & Energy Stream

## DAY 2 - WEDNESDAY - 27 MAY

08:00	Registration & Visit the Trade Fair		
09:00	P5 - Landscapes as a Green Growth Component to Bridge the Global Emissions Gap  Auditorium, Level 3		
10:15	Coffee Break & Visit the Trade Fair		
10:45	W1 - Carbon Pricing, Markets and the 2015 Agreement  Room 5, Level 3	W2 - Climate Finance Readiness: Ground-breaking Approaches to Enhance National Capacities  Room 6, Level 3	W3 - Energy: Landscape for the Future  Room 3, Level 2
11:45	Short Break		
12:00	W4 - Piloting Innovative Climate Finance Solutions  Room 5, Level 3	W5 - CIFs Experience in Leveraging Private sector Finance for Renewable Energy Projects  Room 6, Level 3	W6 - Fueling Decarbonization of the Oil & Gas Sector: The Technologies, Costs and Outlooks  Room 3, Level 2
13:00	Buffet Lunch & Visit the Trade Fair		
13:15	SD2 - Special Ministerial Dialogue  Room 3, Level 2		
14:00	P6 - Transforming the Energy Sector - The Next Generation of Climate Technologies  Auditorium, Level 3		
15:15	Coffee Break & Visit the Trade Fair		
15:45	W7 - Domestic Carbon Pricing Action: Progress and Challenges in Key Emerging Economies  Room 5, Level 3	W8 - Green Finance 2.0  Room 6, Level 3	W9 - Pioneering Energy Technologies and Climate Policy: What About the SIDS and Small Economies?  Room 3, Level 2
16:45	Short Break		
17:00	W10 - The Climate of Federalism in North America: Subnational Actions Impacts on National Policy  Room 5, Level 3	W11 - The Green Climate Fund & Private Sector: Where Do They Meet?  Room 6, Level 3	W12 - The EU's 2030 Climate and Energy Package - What Changes will Affect the EU ETS?  Room 3, Level 2
18:00			

## DAY 3 - THURSDAY - 28 MAY

08:00	Registration & Visit the Trade Fair		
09:00	W13 - Carbon Pricing Readiness: Perspectives from Companies  Room 5, Level 3	W14 - Financial Implications of US Regulations  Room 6, Level 3	W15 - Climate Technology Centre & Network  Room 3, Level 2
10:00	Coffee Break & Visit the Trade Fair		
10:30	W16 - Aviation: What Progress Towards Establishing a Global Market-Based Measure (MBM) Scheme?  Room 5, Level 3	W17 - Green Investing, Guaranteed: The Growing Use of Guarantees in Green Market Segments  Room 6, Level 3	W18 - Promoting Technological Innovation Through the Use of Carbon Markets  Room 3, Level 2
11:30	Short Break		
11:45	P7 - EU ETS Turns 10: A New Beginning?  Auditorium, Level 3		
13:00	Buffet Lunch & Visit the Trade Fair		
13:15	SD3 - Special PMR/BPMR Dialogue  Room 3, Level 2		
14:00	W19 - China's Carbon Markets  Room 5, Level 3	W20 - Climate Markets for Sustainable Supply Chain Management  Room 6, Level 3	W21 - From the Crowd to the Base: Crowdfunding-enabled Climate Business for SMEs  Room 3, Level 2
15:00	Short Break		
15:15	P8 - Climate Transparency: Comparing and Tracking Progress Toward and Beyond Paris 2015  Auditorium, Level 3		
16:30	Closing Addresses  Auditorium, Level 3		
16:45			

# Full Conference Program

DAY 1 - TUESDAY - 26 MAY

08:00	Registration & Visit the Trade Fair		
09:00	<b>CARBON EXPO 2015</b> <b>Press Conference</b> Room 12, Level 0 Facilitator: <b>Isabel Hagbrink</b> Senior Communications Officer World Bank Group  <b>Rachel Kyte</b> Vice President, Climate Change The World Bank  <b>Dirk Forrister</b> President & Chief Executive Officer IETA  <b>Jonathan Grant</b> Director, Sustainability & Climate Change Pricewaterhouse Coopers  The World Bank Group presents the Carbon Pricing Watch, an early peek at the first chapter of the full State and Trends of Carbon Pricing 2015 report, to be launched in October. An update on carbon pricing initiatives around the world.  Assessing private sector views of these global developments, IETA presents the 10th edition of its Market Sentiment Survey, with PwC. This edition looks at emerging issues in context of how the market has changed over the past 10 years.	<b>Training Session 1</b> Room 4, Level 2 <b>Blending Donor Funds for Impact</b> Discussant: <b>Kruskaia Sierra-Escalante</b> Head of Blended Finance International Finance Corporation  This interactive training session will aim to cover the definitional aspects of what is "blended climate finance", get into a practical conversation on how concessional donor funds can be used in different investment structures in order to rebalance the risk / reward of private sector projects, depending on the barriers that the donor funds "support" seek to address, and share lessons of experience where blended climate finance has improved the project/sector viability (perceived / real risk, or costs) to boost activities that help address climate change.	<b>Training Session 2</b> Room 3, Level 2 <b>Carbon Prices and Projections: Who Says What?</b> Moderator: <b>Tom Young</b> Emissions Editor Argus European Emissions Markets  <b>Trevor Sikorski</b> Head of Natural Gas, Coal and Carbon Energy Aspects  <b>James Cooper</b> Carbon and Power Bloomberg New Energy Finance (BNEF)  <b>Ash Sharma</b> Special Adviser for Climate Change Nordic Environment Finance Corporation (NEFCO)  Back by demand, EXPO's opening training session will bring together some of the best regional and international carbon market analysts in the business. Experts will showcase highlights from recent market analyses, as well as share insights on where carbon volumes and prices have been, where they are today, and where they might be to 2020 and beyond. Moderated discussion will delve into key market drivers, trends, and how supplementary low-carbon measures have affected recent market growth and prices.
10:00	Coffee Break & Visit the Trade Fair		
10:45	<b>Opening Ceremony</b> (OPEN TO ALL CATEGORIES OF DELEGATES/VISITORS) Auditorium, Level 3		
	<i>Co-Organisers Welcome Address</i>  <b>Jose Luis Bonet</b> President Fira Barcelona  <b>Dirk Forrister</b> President & Chief Executive Officer IETA  <b>Rachel Kyte</b> Vice President, Climate Change The World Bank  Key Speaker Address  <b>Christiana Figueres</b> Executive Secretary UNFCCC  Host Generalitat Welcome Address  <b>Hble. Sr. Santi Vila i Vicente</b> Conseller, Departament de Territori i Sostenibilitat Generalitat de Catalunya	<i>Host City Welcome Address</i>  <b>Excm. Sr. Xavier Trias</b> Mayor City of Barcelona  <i>Key Speaker Address</i>  <b>Laurence Tubiana</b> Special Representative for the 2015 Paris Climate Conference & French Ambassador for Climate Negotiations  <i>Key Speaker Address</i>  <b>Miguel Arias Cañete</b> Commissioner for Climate Action & Energy European Commission  <i>Host Country Ministerial Welcome Address</i>  <b>Isabel Garcia Tejerina</b> Minister of Agriculture, Food and Environment Government of Spain	<i>Declaracion Inaugural a cargo de SM el Rey</i>  <b>His Majesty King Felipe VI of Spain</b>
12:00	Short Break		

DAY 1 - TUESDAY - 26 MAY

12:30 **Plenary 1: Carbon Pricing Leadership: From Vision to Action** Auditorium, Level 3

Moderator:

**Dirk Forrister**  
President & Chief Executive Officer  
IETA

**Philippe Desfosses**  
Chief Executive Officer  
Retraite Additionnelle de la fonction publique  
(ERAFP)

**B.M.S. Batagoda**  
State Secretary  
Ministry of Power, Energy, Sri Lanka

**Rachel Kyte**  
Vice President Climate Change  
The World Bank Group

**Jochen Flasbarth**  
State Secretary  
German Federal Ministry for the Environment,  
Nature Conservation, Building and Nuclear Safety  
(BMUB)

**Teresa Ribera**  
Director  
IDDRI

**Jose Manuel Entrecanales**  
Chairman & Chief Executive Officer  
Acciona

This plenary session will feature a high-level discussion on how to drive action on the design and implementation of carbon pricing policies. It will address opportunities to advance political support for carbon pricing through private/public engagement and build the business case for supporting a price on carbon.

13:45 Buffet Lunch & Visit the Trade Fair **Special Dialogue 1: CDM beyond Paris, by the UNFCCC** Room 3, Level 2

Moderator:

**David Abbass**  
Public Information Officer  
UNFCCC

**John Kilani**  
Director, Sustainable Development Mechanisms programme  
UNFCCC

**Christiana Figueres**  
Executive Secretary  
UNFCCC

**Niclas Svenningsen**  
Manager, Office of the Director, SDM Programme  
UNFCCC

Senior staff from the UNFCCC secretariat will make the case for CDM's continuing role in the international response to climate change, as a:

- results-based financing tool, allowing donors to target investment and verify results
- generator of trusted, comparable units – CERs – to link emerging emissions trading systems
- climate finance tool, to deliver on nationally appropriate mitigation actions
- tool in support of domestic climate policies
- sustainable development and adaptation tool, and
- scaled-up market mechanism under the 2015 agreement.

14:30 **Plenary 2: Climate Finance: Innovative Pathways for Closing the Gap** Auditorium, Level 3

Moderator:

**Barbara Buchner**  
Senior Director  
Climate Policy Initiative

**Samy Ben-Jaafar**  
Private Sector Facility Director  
Green Climate Fund (GCF)

**Abyd Karmali**  
Managing Director  
Bank of America Merrill Lynch

**Federico Ramos**  
State Secretary for Environment  
Government of Spain

**Lucille L. Sering**  
Secretary of the Climate Change Commission  
Philippines

**Rene Jean-Jumeau**  
Director  
Haiti Energy Institute (IHE)

**James Close**  
Director, Climate Change  
The World Bank Group

**Enrique Nieto**  
Sustainable Projects, Director  
Nacional Financiera, SNC (Nafin) Mexico

Transition to a low-carbon economy requires trillions of dollars of investment. Quantifying the magnitude of the required resources is a challenge in itself. But, the practical question is how to mobilize and leverage capital against available public funds? This plenary discusses expectations of private and public sector leaders that bring together short and long term solutions for the climate finance challenge.

15:45 Coffee Break & Visit the Trade Fair

DAY 1 - TUESDAY - 26 MAY

16:15 **Plenary 3: CEO Roundtable on the Road to Paris** Auditorium, Level 3

Moderator:

**Philippe Joubert**  
Senior Advisor & Special Envoy for Energy and Climate for the WBCSD  
Chair of the Prince of Wales's EU Corporate Leaders Group on Climate Change

**Laurence Tubiana**  
Special Representative for the 2015 Paris Climate Conference & French Ambassador for Climate Negotiations

**Inigo Meiras Amusco**  
Chief Executive Officer  
Ferrovial

**Keith Tuffley**  
Chief Executive Officer & Founder  
Neuw Ventures SA

**Charlotte Wolff-Bye**  
Vice President Corporate Sustainability  
Statoil

**Vinod Kesava**  
Chief Executive Officer & Co-founder  
Climate Resources Exchange, Singapore

**Christian Grossmann**  
Director, Climate Business  
International Finance Corporation (IFC)

**A. Didar Singh**  
Secretary General  
Federation of Indian Chambers of Commerce & Industry (FICCI)

A new climate change regime will bring new opportunities and challenges to the private sector. Climate finance, carbon pricing, incentives and regulations will scale up investment and innovation in areas not seen before. On the other hand, some assets may become unusable when laws to curb emissions of carbon dioxide become really tight. Institutional investors are balancing both risks and opportunities when managing their portfolios. This plenary brings together business leaders in an interactive debate on these topics from distinct angles.

17:30 Short Break

17:45 **Plenary 4: The Entrepreneurs - The First Ascent: An Oral History of Business Leadership** Auditorium, Level 3

Co-moderators:

**Dirk Forrister**  
President & Chief Executive Officer  
IETA

&  
**Teresa Ribera**  
Director  
IDDRI

**Christine Fedigan**  
Director of Corporate Climate Policy  
GDF SUEZ

**Ken Newcombe**  
Chief Executive Officer  
C-Quest Compay

**Andy Ertel**  
President & Chief Executive Officer  
Evolution Markets

**Pedro Moura Costa**  
Chief Executive Officer  
BV Rio

**Jack Cogen**  
Chairman  
Hudson Ridge Asset Management

**Rutger de Witt Wijnen**  
General Counsel  
Green Climate Fund (GCF)

**Marco Monroy**  
President & Chief Executive Officer  
MGM Innova

**Frank Joshua**  
Executive Director  
Transocean Compass Clean Energy

**Seb Walhain**  
Director  
da school

**Mark Meyrick**  
Head of Carbon Desk  
ENECO

**Martijn Wilder**  
Head of the Firm's Global Environmental Markets Practice  
Baker & McKenzie

**Isaac Martin Barbero**  
Director General for International Corporate Development  
ICEX España Exportación e Inversiones

Kyoto sparked a wave of entrepreneurial action around the world – and Paris is poised to prompt an even stronger need for business investment. A dozen entrepreneurs will give a quick fire review of "The First Ascent" of carbon markets and finance, exploring the insights and visions of the future that only experience can offer.

19:15

20:00 **Meet the Carbon Market Cocktail & Dinner Reception at the MNAC**

DAY 2 - WEDNESDAY - 27 MAY

08:00	Registration & Visit the Trade Fair		
09:00	<b>Plenary 5: Landscapes as a Green Growth Component to Bridge the Global Emissions Gap</b>		Auditorium, Level 3
	<p><b>Moderator:</b> <b>Justin Adams</b> Managing Director for Global Lands The Nature Conservancy</p> <p><b>Neeraj Prasad</b> Manager The World Bank</p> <p><b>Kyung-Ah Park</b> Head of Environmental Markets Goldman Sachs</p>	<p><b>Honourable Ralava Beboarimisa</b> Minister of Environment, Ecology, Sea and Forests Republic of Madagascar</p> <p><b>Juan Francisco Martinez Garcia</b> Deputy Director for Multilateral Financial Institutions Government of Spain</p>	<p><b>Joost Oorthuizen</b> Executive Director The Sustainable Trade Initiative (IDH)</p> <p><b>Jeffrey Fort</b> Co-Director, Climate Change Practice Dentons</p> <p>Green growth strategies driven both by the public and private sector will help economies achieve sustainable low carbon economic development. Many private firms with heavy footprints on land use are paying increasing attention to issues of sustainability and increasingly valuing sustainable supply chains. Moreover, financiers also play an important role in spurring innovation and mobilizing the capital necessary to accelerate the greening of supply chains in both developed and developing economies. This plenary session will foster discussions between public and private sector representatives on green growth strategies to help countries achieve sustainable low carbon development, featuring some companies' recent sustainability and zero-deforestation commitments.</p>
10:15	Coffee Break & Visit the Trade Fair		
10:45	<p><b>Workshop 1</b> Room 5, Level 3 Emissions Markets &amp; Carbon Pricing Stream</p> <p><b>Carbon Pricing, Markets and the 2015 Agreement</b></p> <p><b>Moderator:</b> <b>Jeff Swartz</b> Director, International Policy IETA</p> <p><b>David Hone</b> Chief Climate Change Advisor Shell International</p> <p><b>Martin Hession</b> Adviser, Climate Policy and International Negotiations DG CLIMA, European Commission</p> <p><b>Takashi Hongo</b> Senior Fellow Mitsui</p> <p><b>Kesava Shotam</b> Deputy Chairman Climate Resources Exchange</p> <p><b>Nathaniel Keohane</b> Vice President, International Climate Environmental Defense Fund (EDF)</p> <p>This session will explore the role(s) carbon pricing and markets will feature in the 2015 climate agreement at COP21 in Paris. With carbon pricing increasingly becoming a 'hot topic' amongst investors, governments, and the broader business community ahead of COP21 in Paris, this session will highlight the roles and efforts the 2015 Agreement can provide in expanding the map, effectiveness, and international fungibility of various carbon pricing systems around the world.</p>	<p><b>Workshop 2</b> Room 6, Level 3 Climate Finance &amp; Investment Stream</p> <p><b>Climate Finance Readiness: Groundbreaking Approaches to Enhance National Capacities</b></p> <p><b>Moderator:</b> <b>Pablo Benitez</b> Senior Economist The World Bank Group</p> <p><b>Smita Nakhoda</b> Climate and Environment Research Fellow Overseas Development Institute</p> <p><b>Mark Redwood</b> Program Leader, Climate Change and Water International Development Research Center (IDRC)</p> <p><b>Hernán Carlino</b> Research Coordinator Fundacion Torcuato Di Tella</p> <p><b>Karine Siegwart</b> Vice Director Federal Office for the Environment (Switzerland)</p> <p><b>Marius Kaiser</b> Advisor, Climate Finance Readiness Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)</p> <p>This session discusses the types of national systems and capacities that are needed to plan, access, and deliver climate finance at the desired scale in order to confront current climate challenges. Recent experiences of the GCF Readiness program and other initiatives are discussed.</p>	<p><b>Workshop 3</b> Room 3, Level 2 Climate Technologies &amp; Energy Stream</p> <p><b>Energy: Landscape for the Future</b></p> <p><b>Moderator:</b> <b>Philipp Hauser</b> Vice President Carbon Markets GDF SUEZ Energy Latin America, Brazil</p> <p><b>Ricardo Klatovsky</b> Vice President Global Sale for Energy&amp;Utilities International Business Machine (IBM)</p> <p><b>Ming Li</b> Chairman &amp; Chief Executive Officer Europe &amp; Middle East Regional HANERGY</p> <p><b>Malek Drif</b> Chief Executive Officer Crowd2Win</p> <p><b>Kushal Gurung</b> Chief Executive Officer WindPower Nepal</p> <p>The electricity sector enables almost every aspect of our economy. However, it also accounts for a huge portion of the world GHG emissions. In responding to climate change, many smart solutions have been tested in different part of the world. This session brings together industrial leaders to share experiences of smart ways to reduce GHG emissions and mitigate climate risks in this sector.</p>
11:45	Short Break		

DAY 2 - WEDNESDAY - 27 MAY

12:00	<b>Workshop 4</b> Room 5, Level 3 Emissions Markets & Carbon Pricing Stream	<b>Workshop 5</b> Room 6, Level 3 Climate Finance & Investment Stream	<b>Workshop 6</b> Room 3, Level 2 Climate Technologies & Energy Stream
	<p><b>Piloting Innovative Climate Finance Solutions: How to Maximize Impact of Public Funds and Leverage Private Sector Financing?</b></p> <p>Moderator:  <b>Melanie Shanker</b>                  Managing Associate                  Linklaters</p> <p><b>Jay Mariyappan</b>                  Managing Director                  Sindicatum Sustainable Resources</p> <p><b>Bengt Bostrom</b>                  Senior Advisor                  Swedish Energy Agency</p> <p><b>Pongvipa Lohsomboon</b>                  Director of Carbon Business Office                  Thailand Greenhouse Gas Management Organization</p> <p><b>Brice Quesnel</b>                  Senior Carbon Finance Specialist                  The World Bank Group</p> <p><b>Adrian Rimmer</b>                  President                  Climate Markets &amp; Investment Association (CMIA)</p> <p>Climate finance's leverage of private capital will be critical to meet global mitigation goals. One such approach, which builds on the tools and experience of the carbon and capital markets, is being tested by the Pilot Auction Facility for Methane and Climate Change Mitigation (PAF). The PAF will give private investors a floor price for carbon credits by using a tradable put option and allocate the price guarantee to the most cost efficient sources of mitigation, with an initial focus on the solid, water and agricultural waste sectors.</p>	<p><b>Climate Investment Funds (CIF) Experience in Leveraging Private sector Finance for Renewable Energy Projects</b></p> <p>Moderator:  <b>Barbara Buchner</b>                  Senior Director                  Climate Policy Initiative</p> <p><b>Mafalda Duarte</b>                  Program Manager                  Climate Investment Funds</p> <p><b>Paddy Padmanathan</b>                  Chairman &amp; Chief Executive Officer                  ACWA Power</p> <p><b>Wandee Khunchornyakong</b>                  Chairman &amp; Chief Executive Officer                  Solar Power Company Group (Thailand)</p> <p><b>Simten Öztürk</b>                  Project &amp; Acquisition Finance Manager                  Garanti Bank</p> <p>The CIF is the largest source of international finance for renewable energy with commitments of over \$5.4 billion or two-thirds of the CIF portfolio dedicated to clean and renewable energy/energy efficiency. This session will hear from private and public sector sponsors on how they have leveraged CIF financing to scale up projects in Concentrated Solar Power, Wind Energy, Geothermal Energy and Energy Efficiency investments. The session will also provide an opportunity for the CIF to share its financing models and how these are facilitating greater leverage and addressing private sector risk concerns.</p>	<p><b>Fueling Decarbonization of the Oil &amp; Gas Sector: The Technologies, Costs and Outlooks</b></p> <p>Moderator:  <b>Greg McNab</b>                  Partner                  Baker McKenzie</p> <p><b>Antonio Lopez Rodriguez</b>                  Energy Analysis Manager                  Repsol</p> <p><b>John Scowcroft</b>                  Executive Advisor, European Middle East and Africa                  Global Carbon and Capture Storage Institute (GCCSI)</p> <p><b>Renato De Filippo</b>                  Climate Change Manager                  Eni</p> <p><b>Lee Solsbery</b>                  Technical Director                  Environmental Resources Management (ERM)</p> <p><b>Carsten Rolle</b>                  Managing Director Energy and Climate Policy                  Federation of German Industries (BDI)</p> <p>The decarbonization of the oil &amp; gas sector is a vital step to tackling climate change. However, across many regions, the required market signals and policy frameworks have been insufficient in driving the necessary scaled deployment of abatement technologies, including carbon capture and storage (CCS), in this sector. This session will review the latest technology status, costs and outlooks for achieving reductions in the oil &amp; gas sector. Corporate and government leaders who are leading the charge in decarbonizing oil &amp; gas activities will also share their stories and discuss how innovative policy and financing solutions might be scaled or replicated in other regions or parts of the economy.</p>

13:00 Buffet Lunch & Visit the Trade Fair

13:15	<p><b>Special Dialogue 2: Ministerial Dialogue</b> Room 3, Level 2</p> <p>Moderator:  <b>H.E. Hakima EL Haite</b>                  Minister Delegate in Charge of Environment - Minister of Energy, Mining, Water and Environment of Morocco</p> <p><b>Honourable Ralava Beboarimisa</b>                  Minister of Environment, Ecology, Sea and Forests                  Republic of Madagascar</p> <p><b>H.E. Lorena Tapia</b>                  Minister of Environment                  Republic of Ecuador</p> <p><b>Ato Adugna Nemera Gedefa</b>                  CRGE Facility, Ministry of Finance and Economic Development                  Federal Democratic Republic of Ethiopia</p> <p><b>Juan Francisco Martinez Garcia</b>                  Deputy Director for IFIs - Ministry of Economy and Competitiveness                  Government of Spain</p> <p>Transitioning to a low-carbon and climate-resilient economy requires well-structured regulatory, economic and financial instruments to catalyze investment. Particularly now, with a Paris agreement looming, governments around the world are being called on to use all levers of economic and fiscal policy to drive efficiency, improve land use and to create the conditions to attract and boost long term investment in clean development. This special dialogue brings together key actors from various Ministries to discuss the economic risks of climate change and the opportunities for action.</p>
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DAY 2 - WEDNESDAY - 27 MAY

14:00 **Plenary 6: Transforming the Energy Sector - The Next Generation of Climate Technologies** Auditorium, Level 3

Moderator:

**Michael Wilshire**  
Global Head of Analysis  
Bloomberg New Energy Finance

**Alfonso Faubel**  
Senior Vice President Sales & Marketing  
Alstom Power

**Brian Wolff**  
Executive Vice President  
Public Policy and External Affairs  
Edison Electric Institute (EEI)

**Takashi Hattori**  
Head of the Environment and Climate Change Unit  
International Energy Agency (IEA)

**Pramod Deo**  
Former Chairman  
Central Electricity Regulatory Commission (CERC)  
India

**Peter Storey**  
Managing Director, Global Coordinator  
CTI Private Financing Advisory Network (CTI PFAN)

**Bruce Braine**  
Vice President, Strategic Policy Analysis  
American Electric Power (AEP)

As COP21 nears, calls for climate action and deep reductions by mid-century are mounting. Various stakeholders - governments, business, and civil society - are making louder and bolder calls, including a growing chorus to reach net-zero greenhouse gas emissions by 2050, and embed this target into the Paris Agreement. An impressive - but perhaps necessary - goal and desired outcome, based on the science. What's the practicality of reaching net-zero emissions, especially across the world's growing energy sector? This high-level plenary will explore the politics, economics, science and future decarbonization scenarios behind transformative GHG reduction and stabilization goals. Panelists will largely focus discussion on the "nice haves" and "must haves" towards achieving dramatic dents in the energy sector's global carbon footprint - and potentially making the net-zero 2050 goal a reality.

15:15 Coffee Break & Visit the Trade Fair

15:45	<b>Workshop 7</b> Room 5, Level 3 Emissions Markets & Carbon Pricing Stream	<b>Workshop 8</b> Room 6, Level 3 Climate Finance & Investment Stream	<b>Workshop 9</b> Room 3, Level 2 Climate Technologies & Energy Stream
	<p><b>Domestic Carbon Pricing Action: Progress and Challenges in Key Emerging Economies</b></p> <p>Moderator: <b>Xueman Wang</b> Team Lead Partnership for Market Readiness (PMR) Secretariat</p> <p><b>Wang Shu</b> Deputy Director for Climate Change National Development and Reform Commission (NDRC), China</p> <p><b>Cecil Morden</b> Chief Director, Economic Tax Analysis National Treasury, South Africa</p> <p><b>Francisco Javier Pinto Pardo</b> Economist Ministry of Environment, Chile</p> <p><b>Rajinder Sahota</b> Chief, Cap-and-Trade Program California Air Resources Board</p> <p>A growing number of countries are implementing or preparing for the introduction of carbon pricing instruments – such as a carbon tax or an emissions trading system – to reduce emissions cost-effectively and shift toward a low-carbon pathway. The World Bank's PMR brings together major economies, key market players and supports them to prepare, implement carbon pricing and other innovative instruments to scale up domestic GHG mitigation. This session provides an opportunity to learn about innovative, progressive domestic climate action, including progress and challenges faced while preparing, piloting or implementing carbon pricing instruments.</p>	<p><b>Green Finance 2.0</b></p> <p>Moderator: <b>Jonathan Grant</b> Director, Sustainability &amp; Climate Change Pricewaterhouse Coopers</p> <p><b>Julian Richardson</b> Chief Executive Officer Parhelion Capital</p> <p><b>Martin Berg</b> Investment Officer, Climate and Environment European Investment Bank (EIB)</p> <p><b>Katharine Tapley</b> Director, Sustainable Finance Solutions ANZ, Australia</p> <p><b>James Brache</b> Senior Vice President, Political Risk Insurance and Trade Credit Zurich Insurance Company</p> <p><b>Tames Rietdijk</b> Chief Technology Officer Climate Resources Exchange</p> <p>This session will hear from public and private sector experts about a new breed of green financial products cropping-up worldwide. Join us to learn more about green insurance products, public-private partnerships, green bonds, and other existing or potential tools in today's evolving low-carbon toolbox.</p>	<p><b>Pioneering Energy Technologies and Climate Policy: What About the SIDS and Small Economies?</b></p> <p>Moderator: <b>Hugh Sealy</b> Professor &amp; Director, Environmental and Occupational Health Track St. George's University, St. George's, Grenada</p> <p><b>Federico Grullon</b> Technical Director Consejo Nacional para el Cambio Climatico</p> <p><b>Kosi Latu</b> Deputy Director General Secretariat of the Pacific Regional Environment Programme</p> <p><b>Rene Jean Jumeau</b> Director Haitian institute for Energy, Université Quisqueya</p> <p><b>Gerald Lindo</b> Senior Technical Officer (Mitigation) Jamaica Ministry of Water, Land, Environment &amp; Climate Change</p> <p><b>Neeraj Prasad</b> Manager The World Bank</p> <p>SIDS are heavily reliant on imported fossil fuels and highly vulnerable to the effects of climate change. A transformation of their national energy sectors has the potential of being a catalyst for sustainable economic development and generating climate finance resources. However, SIDS have not been able to utilize a full range of policy and financing instruments to develop at scale their renewable energy infrastructure. This market failure remains a concern for SIDS in the context of the post 2020 negotiations and calls for innovative solutions from the global community.</p>

DAY 2 - WEDNESDAY - 27 MAY

16:45	Short Break		
17:00	<p><b>Workshop 10</b> Room 5, Level 3 Emissions Markets &amp; Carbon Pricing Stream</p> <p><b>The Climate of Federalism in North America: Subnational Actions Impacts on National Policy</b></p> <p>Moderator: <b>Katie Sullivan</b> Director, North America &amp; Climate Finance IETA</p> <p><b>Kate Rich</b> Executive Director Alberta Government</p> <p><b>Justin Johnson</b> Advisor Vermont/RGGI</p> <p><b>Katie Hsia-Kiung</b> Carbon Market Analyst Environmental Defense Fund</p> <p><b>Rajinder Sahota</b> Chief, Cap-and-Trade Program California Air Resources Board</p> <p>Join policy-makers, leading analysts, and private sector experts to learn about the latest policy and market developments across North America's active - yet tangled and fragmented - low-carbon landscape. Session explores: California and Quebec's linked carbon market; RGGI's successes and "teenage years"; and growing movement towards regional climate coordination and harmonization.</p>	<p><b>Workshop 11</b> Room 6, Level 3 Climate Finance &amp; Investment Stream</p> <p><b>The Green Climate Fund (GCF) &amp; Private Sector: Where Do They Meet?</b></p> <p>Moderator: <b>Cameron Prell</b> Partner Crowell &amp; Moring LLP</p> <p><b>Samy Ben-Jaafar</b> Private Sector Facility Director Green Climate Fund (GCF)</p> <p><b>Jan Willem van de Ven</b> Head, Carbon Market Development European Bank for Reconstruction and Development (EBRD)</p> <p><b>Kruskaia Sierra-Escalante</b> Head, Blended Finance for Climate, Climate Business Department International Finance Corporation (IFC)</p> <p><b>Gediz Kaya</b> Chief Executive Officer Gaia Carbon Finance, Turkey</p> <p><b>John Warburton</b> Senior Coordination Officer for Operations European Investment Bank (EIB)</p> <p>The new UN GCF aims to play a central role in reaching ambitious climate finance commitments. Part of what differentiates the GCF from existing institutions is its Private Sector Facility (PSF). This session will hear from government, MDB, and private sector experts about mechanisms, instruments and institutional arrangements that will help engage private sector in the Fund's future projects and programmes. How can the GCF make climate projects commercially attractive by shaving risks and reducing incremental costs? How can private sector entities become accredited partners to the Fund? What outstanding issues or barriers still have to be addressed, in order to drive future business involvement with the Fund and its Private Sector Facility?</p>	<p><b>Workshop 12</b> Room 3, Level 2 Climate Technologies &amp; Energy Stream</p> <p><b>The EU's 2030 Climate and Energy Package - What Changes will Affect the EU ETS?</b></p> <p>Moderator: <b>Benedikt Von Butler</b> Carbon and Biomass Trading and Structuring Mercuria</p> <p><b>James Cooper</b> Carbon and Power Bloomberg New Energy Finance (BNEF)</p> <p><b>Ingo Ramming</b> Co-Head of Commodity Solutions Commerzbank</p> <p><b>Kavita Ahluwalia</b> Adviser E.ON</p> <p><b>Dirk Weinreich</b> Head of the ETS Department Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB), Germany</p> <p><b>Jose Ignacio Botello</b> Energy Manager Repsol</p> <p>A legislative proposal to amend the EU ETS is expected to be published before the Summer by the European Commission: stakeholders from different sectors will exchange views about what options should be considered by policy makers to strengthen the role of the EU ETS as part of the EU's climate and energy package.</p>
18:00			

DAY 3 - THURSDAY - 28 MAY

08:00	Registration & Visit the Trade Fair		
09:00	<b>Workshop 13</b> Room 5, Level 3 Emissions Markets & Carbon Pricing Stream	<b>Workshop 14</b> Room 6, Level 3 Climate Finance & Investment Stream	<b>Workshop 15</b> Room 3, Level 2 Climate Technologies & Energy Stream
	<p><b>Carbon Pricing Readiness: Perspectives from Companies</b></p> <p>Moderator:  <b>Jeff Swartz</b>                  Director, International Policy                  IETA</p> <p><b>Alastair Handley</b>                  Chief Executive Officer                  Carbon Credit Solutions</p> <p><b>Jean-Yves Caneill</b>                  Head of Climate Policy                  EDF - Direction Développement Durable</p> <p><b>Nick Campbell</b>                  Senior Environment Manager - DFL                  Arkema</p> <p><b>Pierre Guigon</b>                  Carbon Finance Specialist                  PMR Secretariat</p> <p>An increasing number of companies are subject to new climate change regulations in their countries or subnational jurisdictions. To prepare for this, and ensure their ability to operate effectively, businesses are taking steps to monitor their GHG emissions, determine their carbon footprints, re-think their corporate strategies, and engage with policy makers and stakeholders in the carbon policy design process. Come and hear first-hand insights from companies on their corporate response to address the risks and opportunities arising from new climate change regimes.</p>	<p><b>Financial Implications of US Regulations</b></p> <p>Moderator:  <b>Tom Lawler</b>                  Founder                  Lawler Strategies</p> <p><b>Rick Saines</b>                  Principal                  Baker &amp; McKenzie</p> <p><b>Lenny Hochschild</b>                  Managing Director                  Evolution Markets</p> <p><b>Brad Neff</b>                  Senior Manager of Long-Term Energy Policy                  PG&amp;E</p> <p><b>Tom Plant</b>                  Senior Policy Advisor,                  Center for the New Energy Economy                  Colorado State University</p> <p>US EPA's Clean Power Plan will have significant impact on where and how electricity will be generated and distributed in the US. This session will discuss how near and long term investment decisions are being impacted and whether these regulations will usher in a new era of generation technology and clean energy finance.</p>	<p><b>Climate Technology Centre &amp; Network</b></p> <p>Moderator:  <b>Edwin Aalders</b>                  Principle Researcher &amp; Project Manager, DNV GL                  CTCN Strategic Partnership</p> <p><b>Patrick Nussbaumer</b>                  Industrial Development Officer                  United Nations Industrial Development Organization (UNIDO)</p> <p><b>Tanya Morrison</b>                  Government Relations Manager, Shell                  Private Sector Observer                  Climate Technology Centre Advisory Board</p> <p><b>Chris Webb</b>                  Deputy CEO - Strategy, Operations &amp; Climate Negotiations                  Climate and Development Knowledge Network (CDKN)</p> <p><b>Paul Vickers</b>                  Director                  Coop Carbone</p> <p>This session will feature innovative country-led investments in clean technology, renewable energy, sustainable management of forests and climate-resilient development, serving to complement the work of the newly founded Green Climate Fund by giving developing countries more options for funding and impactful climate change investments. It also discusses the future role of the UNFCCC's Climate Technology Centre and Network (CTCN): what can be realistically achieved in five years, will it make a global difference to national emissions signatures and mitigation technology transfer, or is it just another diplomatic administrative approach to signalling action?</p>
10:00	Coffee Break & Visit the Trade Fair		

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10:30	<b>Workshop 16</b> Room 5, Level 3 Emissions Markets & Carbon Pricing Stream	<b>Workshop 17</b> Room 6, Level 3 Climate Finance & Investment Stream	<b>Workshop 18</b> Room 3, Level 2 Climate Technologies & Energy Stream
	<p><b>Aviation: What Progress Towards Establishing a Global Market-Based Measure (MBM) Scheme?</b></p> <p>Moderator:  <b>Sophy Greenhalgh</b>                  Director                  International Carbon Reduction and Offest Alliance</p> <p><b>Megan Flynn</b>                  Group Manager - Environment and Carbon Strategy                  Qantas Airways</p> <p><b>Michael Schneider</b>                  Assistant Director, Carbon Offset Buisness Development                  International Air Transport Association (IATA)</p> <p><b>Niclas Svenningsen</b>                  Manager, Office of the Director, SDM Programme                  UNFCCC</p> <p><b>Andreas Hardeman</b>                  Assistant Director, Aviation and Environment                  International Air Transport Association (IATA)</p> <p><b>David Antonioli</b>                  Chief Executive Officer                  Verified Carbon Standard</p> <p>The session will provide an update on the latest discussions in the ICAO concerning the negotiations to put in place a global offsetting system. Panelists will discuss what types of offsets are being considered, how the efforts to advance them are progressing, while taking stock of progress at the international level.</p>	<p><b>Green Investing, Guaranteed: The Growing Use of Guarantees in Green Market Segments</b></p> <p>Moderator:  <b>Jose Juan Gomes</b>                  Financial Markets Senior Specialist                  Inter-American Development Bank</p> <p><b>Enrique Nieto</b>                  Sustainable Projects, Director                  Nacional Financiera, SNC (Nafin) Mexico</p> <p><b>Hernán Carlino</b>                  Research Coodinator                  Fundacion Torcuato Di Tella</p> <p><b>Flavia Rosembuj</b>                  Senior Counsel                  International Finance Corporation (IFC)</p> <p><b>Mary Gómez Torres</b>                  Senior Executive, Climate Change &amp; Environment                  Development Bank of Latin America (CAF)</p> <p>Guarantees are among the suite of growing financial instruments available to address challenges specific to clean technology investments, such as uncertain rates of return or financial modeling issues. This session will cover how credit guarantees for clean technology green market segments can remove such investment barriers by covering risks related to the lack of collateral and the credit risk perception on the part of lenders. Speakers will also discuss how guarantees are often used to channel public intervention as well as crowd in private investment with their ability to generate effective leverage.</p>	<p><b>Promoting Technological Innovation Through the Use of Carbon Markets</b></p> <p>Moderator:  <b>Sarah Deblock</b>                  Director, EU Policy                  IETA</p> <p><b>Giles Dickson</b>                  Vice President, Global Public Affairs                  Alstom</p> <p><b>Jelena Simjanovic</b>                  Network Project Manager                  GCCSI</p> <p><b>Susan Wood</b>                  Senior Advisor                  Dentons LLP</p> <p><b>Marcus Ferdinand</b>                  Head EU Carbon Analysis                  ThomsonReuters Point Carbon</p> <p><b>Chloe Munro</b>                  Chief Executive Officer &amp; Chair, Clean Energy                  Regulator                  Government of Australia</p> <p>How could an innovation fund in the EU ETS be designed? European policy makers are discussing ideas about setting up a new innovation fund in the EU ETS (possibly the "NER400") and proposals to use some of the surplus allowances in the system, to stimulate breakthrough industrial innovative technologies. This event will look at possible ways for carbon markets to be used to promote innovation in technologies that will need to be developed to reach the EU's long-term GHG emission reductions. The panelists will exchange views about how such a fund could be designed and how it could operate in a context of oversupply which is trying to be tackled.</p>
11:30	Short Break		
11:45	<b>Plenary 7: EU ETS Turns 10: A New Beginning?</b>		Auditorium, Level 3
	<p>Moderator:  <b>Daniele Agostini</b>                  Co-Chair, IETA EU Working Group &amp; Board Member                  ENEL</p> <p><b>Peter Zapfel</b>                  Head of Unit - Implementation of ETS                  European Commission</p> <p><b>Holger Lösch</b>                  Board Member                  Federation of German Industries (BDI)</p> <p>2015 marks the 10 year anniversary of the EU ETS, and after important challenges these last few years, is the worst now behind us? The introduction of a MSR should address many of the inflexibilities that the EU ETS suffered from, and setting a target towards 2030 will help create an environment of confidence in the future of the EU's climate and energy policies. But will it be enough? Will the EU ETS be successful in driving Europe's emission reductions cost-effectively or do we risk seeing its role undermined by other policies? The panelists will look at how national or regional emissions trading systems may adapt to an increasing uptake of carbon pricing policies globally.</p>	<p><b>Stefan Dohler</b>                  Executive Group Management Member                  Vattenfall</p> <p><b>Gerald Maradan</b>                  Co Founder &amp; Chief Executive Officer                  EcoAct</p>	<p><b>Jill Duggan</b>                  Senior Associate, Cambridge Institute for Sustainability Leadership (CISL) &amp; The Prince of Wales's Corporate Leaders Group (CLG)</p> <p><b>Stig Schjølset</b>                  Head of Carbon Analysis                  Thomson Reuters</p>

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13:00	Buffet Lunch & Visit the Trade Fair		
13:15	<b>Special Dialogue 3: Special PMR/BPMR Dialogue</b> <span style="float: right;">Room 3, Level 2</span>		
	<p>Moderator:  <b>Karl Upston Hooper</b>                  General Counsel                  Greenstream</p> <p><b>Eric Boonman</b>                  Head of Carbon Origination                  Statkraft</p> <p><b>Xing'an Ge</b>                  ETS Task Force                  China Emissions Exchange-Shenzhen</p> <p><b>Xueman Wang</b>                  PMR Team Lead                  The World Bank Group</p> <p><b>Tony Gai</b>                  Head of Emissions                  PetroChina</p> <p>The Partnership for Market Readiness (PMR) is a special grant-funding initiative of the World Bank to help countries prepare for carbon pricing policies. The Business Partnership for Market Readiness (B-PMR) is a special initiative of IETA that helps companies in PMR and other countries prepare for carbon pricing policies. This session will highlight the important and effective work these initiatives are doing to help shape the next generation of carbon markets and carbon pricing around the world.</p>		
14:00	<b>Workshop 19</b> <span style="float: right;">Room 5, Level 3</span> Emissions Markets & Carbon Pricing Stream	<b>Workshop 20</b> <span style="float: right;">Room 6, Level 3</span> Climate Finance & Investment Stream	<b>Workshop 21</b> <span style="float: right;">Room 3, Level 2</span> Climate Technologies & Energy Stream
	<p><b>China's Carbon Markets</b></p> <p>Moderator:  <b>Dan Barry</b>                  Head of Emissions                  BP</p> <p><b>James Liu</b>                  Manager China                  Statkraft</p> <p><b>Jan Fousek</b>                  Managing Director &amp; Partner                  Virtuse</p> <p><b>Patrick Bürgi</b>                  Director, Advisory                  South Pole</p> <p><b>Wang Shu</b>                  Project Officer of the Department of Climate Change                  National Development and Reform Committee</p> <p>With 7 emissions trading programmes now operational across China, there are now lessons and experiences from China's domestic emissions market that of interest to anyone interested in climate change. China's approaches to emissions trading also differ from that of other countries, and these approaches are now being observed and explored by other countries in Asia interested in putting a price on carbon. On top of all of this existing activity, the Chinese government aims to launch a national ETS at some point in 2016. This session will explore existing experiences and opportunities to come in China's carbon market.</p>	<p><b>Climate Markets for Sustainable Supply Chain Management</b></p> <p>Moderator:  <b>Jonathan Shopley</b>                  Chief Executive Officer                  The Carbon Neutral Company</p> <p><b>Edward Hanrahan</b>                  Chief Executive Officer                  ClimateCare</p> <p><b>Peter Castellas</b>                  Chief Executive Officer                  Carbon Market Institute</p> <p><b>Arnaud Herrmann</b>                  Vice President Sustainable Development                  Accor Group Hotels</p> <p><b>Renat Heuberger</b>                  Chief Executive Officer                  South Pole Group</p> <p>With carbon offsetting often seen as an additional cost burden to business, we explore the latest trends of developing carbon projects within corporate supply chains as an effective tool to managing supply chain emissions whilst contributing to supply chain resilience.</p>	<p><b>From the Crowd to the Base: Crowdfunding-enabled Climate Business for SMEs</b></p> <p>Moderator:  <b>Malek Drif</b>                  Chief Executive Officer                  Crowd2Win</p> <p><b>Sven Pluut</b>                  Founder                  WeShareSolar</p> <p><b>Hong Sin Kwek</b>                  Chief Executive Officer                  Phoenixixt</p> <p><b>Konrad Ritter</b>                  Director                  Ritter Advisory Services</p> <p><b>Patrick Schroeder</b>                  Project Manager                  SWITCH Asia</p> <p><b>Chiara Candelise</b>                  Chief Executive Officer                  Ecomill</p> <p>Access to finance is still highly constrained for climate technologies. Crowdfunding constitutes an enormous opportunity to leverage and scale up finance for green businesses. Several types of crowdfunding have developed over recent years. This session will focus on global experiences on how crowdfunding has been employed for technology deployment and green innovations. It will also include discussions on partnership solutions in scaling up crowdfunding in developing countries.</p>
15:00	Short Break		

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15:15	<b>Plenary 8: Climate Transparency: Comparing and Tracking Progress Toward and Beyond Paris 2015</b>	Auditorium, Level 3
<p><b>Moderator:</b>  <b>Vikram Widge</b>          Manager, Climate and Carbon Finance          International Finance Corporation (IFC)</p> <p><b>John Kilani</b>          Director, Sustainable Development Mechanisms          programme, UNFCCC</p> <p><b>Sonia Medina</b>          Director, Climate Change          Children’s Investment Fund Foundation (CIFF)</p> <p><b>Andrei Marcu</b>          Senior Advisor          Center for European Policy Studies (CEPS)</p> <p><b>Surabi Menon</b>          Director, Advisory &amp; Research          ClimateWorks Foundation</p> <p><b>Ashley N. Allen</b>          Office of Global Change          U.S. Department of State</p> <p><b>Peter Eigen</b>          Co-Founder and Chair of Governance Projects          Humboldt-Viadrina Governance Platform</p> <p><b>Alvaro Umana</b>          Former Minister of Energy &amp; Environment and          Senior Research Fellow at CATIE          Republic of Costa Rica</p> <p>Around the world, countries are unilaterally developing domestic ways to fight climate change. These actions have the potential to collectively overcome the current international regulatory gap. Since they are motivated by domestic decision making, however, there is great regulatory variation among them. As a result, it has become increasingly complex for stakeholders (governments, private sector and civil society) to compare, contrast and track progress of climate actions across jurisdictions. This plenary will consider existing efforts to compare and track progress of climate actions and explore the challenges and opportunities for enhancing their impact in incentivizing effective and ambitious climate action, toward and beyond Paris 2015.</p>		
16:30	<b>Closing Addresses</b>	Auditorium, Level 3