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# COP22 / CMP12 / CMA1

7<sup>th</sup> – 18<sup>th</sup> of November 2016  
Bab Ighli, Marrakech | Morocco

## IETA BUSINESS HUB PROGRAM GUIDE

We would like to thank our Main Partners:



CARBON PRICING  
LEADERSHIP COALITION

大成 DENTONS



European Bank  
for Reconstruction and Development



GLOBAL  
CCS  
INSTITUTE



International  
Energy Agency  
Secure  
Sustainable  
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ITRI  
Industrial Technology  
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In Collaboration with:



United Nations  
Framework Convention on  
Climate Change



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## Event Locations

 IETA Side Event Room

 IETA Business Lounge

 IETA Board Room

 Other Venues

*Side Events Program Subject to Modifications*





**IETA**  
CLIMATE CHALLENGES  
MARKET SOLUTIONS

## What is IETA

IETA is a nonprofit business organisation created in 1999 to serve businesses engaged in the field of carbon markets. Our objective is to build international policy and market frameworks for reducing greenhouse gases at lowest cost.

Our vision is a single global carbon price produced by markets of high environmental integrity. We pursue this vision with an eye to pragmatism, political reality and sound economics.

Our work is driven by six key goals:

- To improve the credibility and functionality of today's carbon markets.
- To promote quality, efficiency and effectiveness in future carbon markets.
- To provide leadership and development opportunities for carbon offsetting.
- To promote effective linkages between carbon pricing systems over time.
- To support effective private sector models of engagement in climate finance.
- To showcase the power of markets in addressing climate change.

Our membership includes leading international companies from across the carbon trading cycle. IETA members seek to develop an emissions trading regime that results in real and verifiable greenhouse gas emission reductions, while balancing economic efficiency with environmental integrity and social equity.

IETA aims to ensure that system design, implementation and review deliver a functioning, efficient market.

IETA upholds its principles by acting as a think tank, a convener of dialogues, an advocate, a market promoter and acting as a body that is able to drive market standards.

As of September 2016, IETA comprises around 140 international companies from OECD and non-OECD countries. IETA has formed several partnerships including, among others, the World Bank, Eurelectric, the World Business Council for Sustainable Development (WBCSD) and the California Climate Action Registry, the Edison Electric Institute (EEI), the Electric Power Research Institute (EPRI), and more.

IETA currently has offices in Geneva (Switzerland), Brussels (Belgium), London (UK), Toronto (Canada), Melbourne (Australia), US offices in Washington, DC and San Francisco, and representatives in South Korea and China.

[www.ieta.org](http://www.ieta.org)



Dear Friends and Colleagues,

Welcome to the IETA & Friends Business Hub for COP22!

On your journey here, you probably reflected on how the Marrakesh ambitions relate to your own reality at home. Like us, you may see disconnects between national actions and Paris ambitions. But you know momentum when you feel it. Maybe you celebrated the Paris entry into force? Or the historic ICAO agreement in Montreal? Or the Montreal Protocol amendments in Kigali? Or all three?

These successes represent the new momentum on climate action. They reflect the beginning of a new future, where business and government are working more closely together to meet the climate challenge.

The mood of this COP is much different than a year ago. Landing in Paris for COP 21, you had big questions. You wondered if the talks would deliver – environmentally, economically, diplomatically. A global chorus of business leaders had issued the call for carbon pricing, seeing it as the key to unlocking Paris' true ambitions. But would Paris deliver? Of course, in the end - it did! This business view grew from a simple maxim: we could accomplish more through market-based cooperation than acting in isolation. Why? Because market approaches cost less and work better. That's why market mechanisms are so vital to the 1.5 - 2°C ambition.

This maxim now undergirds the Marrakesh talks. The Paris Agreement delivered the fundamental structure for market cooperation. Marrakesh needs to ensure that good rules and guidelines for implementation are adopted promptly. Countries need to know how they can use the market flexibilities – and their companies need to know how to steer new investments and business strategy. The sooner implementation rules are agreed, the faster the corporate financing, technology and action will appear.

We'll explore these issues in the IETA Hub over the next two weeks. We are extremely grateful for the strong showing of support for the Hub from partners across the globe. Together, we present an impressive range of events, covering market, finance and technology issues. We hope to share our experiences, gain knowledge and celebrate a few successes. We hope that as you participate, you will bring your ideas and experience to the conversation.

We hope you share this spirit of constructive dialogue and engagement. None of us can meet this challenge alone. Let's look for new ways to work together to help achieve the Paris ambitions.

Best wishes,

A handwritten signature in black ink that reads "Dirk Forrister". The signature is written in a cursive, flowing style.

Dirk Forrister  
President & CEO, IETA

## IETA Publications available for download

IETA's publications from 2016 can be found on our website or are available as downloads.

Use the links below or scan the QR codes to go directly to the documents.

To download a QR code reader, go to: [www.scan.me/download/](http://www.scan.me/download/)

2016-2017 IETA GHG Report and Executive Summary

<http://www.ieta.org/ghgmarket2016>



From Kyoto to Paris: An oral history of the carbon market

By Katie Kouchakji (available in hard copy or Kindle format)

<http://amzn.to/2e976Rq>



## UNFCCC Submissions

Submission to SBSTA on Article 6, paragraphs 2, 4 and 8 of the Paris Agreement

<http://bit.ly/2ec7stg>



Joint Submission by IETA and four NGOs regarding views on the guidance referred to in Article 6, paragraph 2, of the Paris Agreement

<http://bit.ly/2dtcRFQ>



## Position Papers

Views on the European Commission's revision of the EU ETS Directive for the post-2020 period

<http://bit.ly/2ensuaa>



IETA's views on activity-based allocation in the EU ETS

<http://bit.ly/2cgnCOL>



## International Policy Document

A Vision for the Market Provisions of the Paris Agreement

<http://bit.ly/1T7tuHk>



## General Submissions

IETA input to the European Commission's consultation on policy options for market-based measures to reduce the climate change impact from international aviation

<http://bit.ly/2dqZfQO>



IETA Response to the New Zealand ETS Review Consultation

<http://bit.ly/2dt4h9N>



## Reports

Doubling Down on Carbon Pricing:  
Laying the Foundation for Greater Ambition  
<http://bit.ly/2eavX7r>



Carbon Pricing:  
The Paris Agreement's Key Ingredient  
<http://bit.ly/2dtitQ4>



China's National Emissions Trading  
System Report 2016  
<http://bit.ly/2epXDUD>



GHG Market Sentiment Survey 2016  
<http://bit.ly/2el9JQU>



Optimising Australia's position in international carbon markets  
<http://bit.ly/2eDlq1r>



## Emissions Trading Case Studies\*

\*Updated in 2016

### Australia

<http://bit.ly/2eyma9G>



### China

<http://bit.ly/2exxzFb>



### Japan

<http://bit.ly/2dSaGMZ>



### Kazakhstan

<http://bit.ly/2el9JQU>



### New Zealand

<http://bit.ly/2epYoga>



### Republic of Korea

<http://bit.ly/2eq04GD>



### Taiwan

<http://bit.ly/2eLm3Ln>



**ICROA Reports**

IETA Response to the South African consultation on Draft Regulations: Carbon Offsets  
<http://bit.ly/2eoPvY8>



Insetting: Developing carbon offset projects within a company's own supply chain and supply chain communities.  
<http://bit.ly/2dsAfY9>



**NEW DOCUMENTS\***

\* from Oct 26 2016

IETA Coalition Amicus Brief to California Court of Appeals in California Chamber of Commerce, et al. v. ARB et al. Auction Lawsuit (May 2016)  
<http://bit.ly/2eyma9G>



Presentations from "Ontario's Carbon Opportunity" seminar (October 2016)  
<http://bit.ly/2dJueqX>



IETA Submission on ARB's 2030 Target Scoping Plan Concept Paper  
<http://bit.ly/2eScGGm>



IETA Comments to Working Group on Specific Mitigation Opportunities under the Pan-Canadian Framework on Clean Growth and Climate Change  
<http://bit.ly/2eNjPrJ>



IETA Comments to the Working Group on Carbon Pricing Mechanisms under the Pan-Canadian Framework on Clean Growth and Climate Change  
<http://bit.ly/2eHuTG9>



## Carbon Markets in the Paris Agreement: IETA's Priorities at COP22

IETA congratulates Parties on the immense success of the Paris Agreement's approval and entry into force this year. The momentum from COP21 must now carry over into implementation of the Paris Agreement (PA) by completing guidance and rules for the use of its Articles and Decisions.

IETA set out its vision for Article 6 of the PA ahead of the Bonn UNFCCC climate negotiations earlier this year in A Vision for the Market Provisions of the Paris Agreement. We noted the long-term durability of the PA, making it especially crucial for its implementation to incentivise the maximum level of emissions reductions – powered by the use of harmonised carbon pricing systems. This vision can be achieved through cooperative action, as emissions outcomes are transferred between various national carbon pricing systems. Such transfers are described in Article 6, with paragraph 2 establishing ITMOs as the means of accounting for such linkages. The system of transfers must promote confidence and be sufficiently robust to support large-scale mitigation investments in a wide range of jurisdictions. To deliver that confidence, Article 6 guidelines should be agreed to at CMA1.

### 1. Agree on accounting guidance for Article 6 at CMA1, allowing Parties to raise the ambition of their NDCs and meet them at lower cost

- Article 6 of the PA offers the opportunity to build a global carbon market to assist in accelerating the energy transition and in delivering a net zero emissions outcome at lowest cost to society. It also provides the opportunity to expand the reach of carbon pricing to enable full implementation of NDCs and possibly to help raise ambition amongst NDCs in order to deliver on the overall goal of the PA. In Marrakech, Parties should strive to approve high-level guidance for accounting under Article 6.2 and 6.4. This will enable Parties to incorporate the possibility of using Article 6 to meet their emissions reduction goals in their NDCs as they are approved and move towards implementation.
- As Parties discuss Article 6 accounting guidance in Marrakech, they should incorporate best practice accounting concepts with both transactional and governance elements. These will boost public confidence and prompt greater investment in climate mitigation.
- By agreeing on Article 6 accounting guidance at CMA1, Parties can move towards implementing their NDCs collectively with other countries. Analysis by the WBG shows that financial savings by countries working collectively through Article 6 (linking their carbon pricing policies in an international carbon market) can achieve a 30% cost reduction than countries working on their own to meet their respective mitigation targets for 2030 and a 50% saving by 2050. This is consistent with prior economic studies, suggesting that international market cooperation can deliver significant savings.

Linking carbon pricing systems can help drive costs down and create the economic conditions for greater emissions cuts in the future. If national systems operate in isolation, they can end up costing more – which can discourage ambition. **Taking steps to form rules guiding Article 6 cooperation at CMA1, including on accounting and transparency, can help Parties go beyond the minimums proposed in their INDCs in the months leading up to COP21 in Paris.**

### 2. Agree on an open framework for the Article 6.4 mechanism that delivers emissions reductions at the scale needed to meet the ultimate temperature stabilisation goals of the Paris Agreement

- Article 6.4 establishes a mechanism to contribute to the mitigation of GHG emissions, or an Emissions Mitigation Mechanism (EMM), and support sustainable development. The EMM, in conjunction with the ITMO, could be designed to promote carbon pricing.
- With the full implementation of the PA, the EMM could offer a universal carbon allowance or credit system for those countries that choose to utilize their contributions. This could facilitate trade between NDCs (i.e. simple conversion to ITMOs). The EMM could provide registry facilities for these units, therefore expanding the choices for adopting carbon pricing for many economies. This in turn could channel additional investment into the hosts' economies.

**In Marrakech, Parties should create a broad framework for the EMM whereby many types of mitigation approaches can be executed with assured additionality and avoidance of double counting, rather than a single purpose mechanism such as the CDM under the Kyoto Protocol.**

- Parties should establish a work programme in Marrakech for an Article 6.4 mechanism that delivers the following elements:
  - Quantifies and delivers emission reductions (as an allowance type of unit) against an emissions reference level in a Party's NDC;
  - Provides a universal emission reduction credit or emissions allowance that can be transferred from one country to another as an ITMO;
  - Encourages large-scale emissions mitigation activities as cost-effectively as possible;
  - Undergoes and follows oversight rules on the EMM set by the COP;
  - Promotes sustainable development through economic transition across all sectors of the economy.
- Furthermore, Parties should include a work programme in the Article 6.4 framework that identifies the relevant technical elements to ensure a project-based mechanism can also be available to Parties to deliver emissions reductions under the Paris Agreement.

### 3. Ensure that accounting and environmental integrity guidance for Articles 6.2 and 6.4 also apply to Article 6.8 on non-market approaches

Non-market based approaches should also meet the same standards for environmental integrity as those of market-based approaches put forward under a Party's NDC. As such non-market-based approaches should make use of mitigation infrastructure provided by the UNFCCC or other intergovernmental organisations including:

- Monitoring and verification protocols for key sectors;
- Standardized emission performance benchmarks for key sectors;
- A registry and issuance system to establish ownership of emission reduction units;
- A standardized reporting template;
- An accreditation system for independent verifiers; and
- A co-benefits 'checklist' to ensure approaches address sustainable development.

Any non-market based approach that delivers emission reductions will need to be reported and tracked under the same standard as those of market-based approaches under Article 6. As such, non-market based approaches will need to be designed in conjunction and cooperate with Article 6 standards for reporting, tracking, and certification of emission reductions.

### 4. Decide on guidance to the CDM Executive Board that offers investor confidence prior to the operation of Article 6 and provides continuity from the Kyoto system to the Paris framework.

- Despite current market challenges, the CDM remains an attractive option for carbon compliance in advance of the PA's first contribution period. Some sovereign purchasing initiatives continue to invest in CDM projects, and some private entities use CDM credits for both compliance and voluntary offsetting. Some non-Annex 1 countries are considering policies to allow CERs for domestic use, potentially with banking for future use against domestic NDCs. The CDM may also prove valuable for international airlines, subject to the decisions of the ICAO on acceptability of units for compliance with CORSIA.
- A bedrock principle of the CDM has been to promote regulatory stability. This is evidenced by the efforts for consistency in the EB's decisions and in the reliability of host and recipient approvals.
- IETA is concerned that draft proposals under SBI on CDM guidance to allow revocation of Letters of Approval (LoA) without due process could erode investor confidence and further stifle demand for CDM credits. We urge that these proposals be rejected or amended to provide clear and proper due process. Investors in the CDM thus far have treated the LoA from the host country as providing political certainty to move forward with a project concept, and investors then base further investment decisions upon the successful granting of the LoA. Certain details included with the LoA related to timescales are currently sufficient from an overall business perspective. If Parties move forward with procedures to allow host countries to withdraw those LoA's, business certainty in the CDM will be lost.

**IETA's priorities for COP22 are based on the principle that the sooner guidance on Article 6 is agreed by the COP, the sooner Parties can begin making relevant decisions and investments in emissions reductions to meet their NDCs.**

# MONDAY, 7 NOVEMBER 2016

17:00 - 18:30

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 1

## COP22/PARIS AGREEMENT REFRESHER ROUNDTABLE

*Description:* This session will kick off IETA's COP 22 Pavilion by providing a broad 'refresher' of the Paris Agreement and particularly its Article 6 on emissions transfers and a new emissions mitigation mechanism. It will also highlight how the UNFCCC negotiations have fared this year since COP 21 in Paris and will give an overview of what to expect from the negotiations during the two weeks of COP 22.

*Session Coord:* JS

*Moderator:* DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:* NICK CAMPBELL, Environmental Manager, Arkema SA  
MOLLY PETERS-STANLEY, Negotiator, US State Department  
LISA DEMARCO, Senior Partner, DeMarco Allan  
KEVIN FAY, Executive Director, International Climate Change Partnership



18:30 - 19:30

Business Hub,  
Blue Zone  
IETA Business Lounge

SIDE EVENT 2

## IETA COP22 KICK OFF WELCOME RECEPTION

*Session Coord:* LS



# TUESDAY, 8 NOVEMBER 2016

09:30 - 10:00

Business Hub,  
Blue Zone  
IETA Business Lounge

## TEA & COFFEE TIME

10:00 - 10:30

Business Hub,  
Blue Zone  
IETA Board Room

SIDE EVENT 3

## IETA INFORMAL MEDIA BRIEFING

*Description:* IETA's wish-list and expectations. What progress IETA would like to see, and a realistic assessment of where we may end up after COP22. What are the priorities as we see them.

*Session Coord:* AV

*Panelists:* ALESSANDRO VITTELI, Communications Officer, International Emissions Trading Association (IETA)  
DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)



10:00 - 13:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 4

## GREEN AND RESPONSIBLE INVESTMENT: THE CHALLENGES OF THE GREEN ECONOMY

*Session Coord:* LS

*Moderator:* EDWARD KING, Editor, Climate Home

*Speakers:* RICHARD HALE, Chairman, Agrobanco  
TBA, AIDSESP - Native Community Association  
TBA, African Development Bank (AfDB)  
TBA, Ministry of Environment of Peru (MINAM)  
TBA, Arab African International Bank (AAIB)  
TBA, United Nations Environment Programme for Responsible Investment (UNEPRI)  
AMAL-LEE AMIN, Division Chief-Climate Change Division, Inter-American Development Bank (IADB)  
CAROLINA CORTÉS, Environment and Climate Change Chief Executive, CAF Latin-American Development Bank



13:00 - 14:30

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 5

## THE JOINT CREDITING MECHANISM (JCM) IN THE CONTEXT OF THE PARIS AGREEMENT - LESSONS LEARNED AND WAY FORWARD

*Description:* This session will provide an overview of JCM, its current development, unique features of methodologies and examples of registered projects. The session also explores the lessons learned in the mechanism and possible contribution to the discussion of Article 6 of the Paris Agreement.

*Session Coord:* LS

*Moderator:* JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)

*Speakers:* TBA, Ministry of the Environment, Japan  
TATSUSHI HEMMI, Chief Analyst, Mitsubishi UFJ Research and Consulting  
SHINICHIRO SANO, Chief Consultant, Mitsubishi UFJ Research and Consulting



14:30 - 16:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 6

## RESULTS AND PERSPECTIVES FOR THE ETS SIMULATION IN BRAZIL

*Description:* As the only market experience in course in South America, the Brazilian ETS Simulation has been catching the attention of several national and international stakeholders. Aiming to offer the Brazilian business sector the opportunity to experiment with a market instrument for carbon pricing and to enable the contribution of the sector to the debate on this matter in Brazil and internationally, the Initiative is running its third year with 30 participating companies of nine sectors.

*Session Coord:* JS

*Moderator:* TBA

*Speakers:* PAULA PEIRÃO, Project Manager, Center for Sustainability Studies (GVces)  
FERNANDA ROCHA, Researcher, Center for Sustainability Studies (GVces)  
LUIZ CARLOS XAVIER, Corporate Coordinator of Sustainable Development, Braskem



09:30 - 10:00

Business Hub,  
Blue Zone

IETA Business Lounge

## TEA & COFFEE TIME

10:00 - 11:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 7

## U.S. ELECTIONS IMPACTS: IMMEDIATE ASSESSMENT

*Description:*

*Session Coord:* TL

*Moderator:* DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:*

KEVIN FAY, Executive Director, Alliance for Responsible Atmospheric Policy

LISA JACOBSON, President, Business Council for Sustainable Energy (BCSE)

JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)



11:30 - 13:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 8

## AVIATION AND CARBON MARKETS: THE ICAO DEAL AND THE WAY FORWARD

*Description:*

This event aims to improve understanding of what the ICAO deal means for the aviation sector and for carbon markets respectively, of how CORSIA will be implemented and what challenges remain before it enters into force.

*Session Coord:* SdC

*Moderator:* RICK SAINES, Partner, Baker & McKenzie

*Speakers:*

DAVID ANTONIOLI, CEO, Verified Carbon Standard (VCS)

ANNA LEHMANN, Senior Technical Advisor, Althelia Ecosphere Capital Partners

MARY GRADY, Deputy Director, American Carbon Registry (ACR)

HALDANE DODD, Head of Communications, ATAG



13:00 - 14:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 9

## THE ROLE OF CARBON MARKETS TO INCENTIVIZE THE ODS DESTRUCTION AND TO ACCELERATE THE TRANSITION TO LOW GWP REFRIGERANTS AND FOAMS

*Description:*

The Montreal Protocol phased out production of various Ozone Depleting Substances (ODS), however the use of recycled ODS is still allowed, leaking high GWP refrigerants into the atmosphere. The phase out of CFCs spurred production of hydrofluorocarbons (HFCs), the fastest growing source of global emissions. Developed as "ozone-friendly" alternatives, pound for pound, HFC refrigerants and foam blowing agents have GWPs up to 4000 times higher than CO<sub>2</sub>. The panel will present case studies for utilizing carbon finance to incentivize ODS destruction, the purchase of certified reclaimed HFCs, and the transition to advanced low GWP refrigeration systems and foam blowing agents.

*Session Coord:* LS

*Moderator:* MARY GRADY, Deputy Director, American Carbon Registry (ACR)

*Speakers:*

KEVIN FAY, Executive Director, Alliance for Responsible Atmospheric Policy

JEFF COHEN, Senior Vice President, EOS Climate

JEFF FORT, Partner, Dentons

TODD KESKE, Chief Operating Officer, Foam Supplies, Inc



14:30 - 16:00

Business Hub,  
Blue Zone

IETA Side Event Room

*Description:*

*Session Coord:* LS

*Moderator:* EDWARD KING, Editor, Climate Home

*Speakers:* PADDY PADMANATHAN, President & CEO, ACWA Power  
TBA, Philips Lighting  
ERIC BECKWITT, CEO, Freightera  
PAMELA PHUA, R&D Director, Akzo Nobel  
YOURI OBST, CEO, Baleen



SIDE EVENT 10

## PRIVATE SECTOR CLIMATE LEADERSHIP FORUM: FUNDING, STRATEGIES AND OPPORTUNITIES

17:30 - 19:00

Business Hub,  
Blue Zone

IETA Side Event Room

*Description:* Panel discussion on the views on the interpretation of Article 6 and the COP Decision work programme

*Session Coord:* LS

*Moderator:* ANDREI MARCU, Senior Fellow, International Centre for Trade and Sustainable Development (ICTSD)

*Speakers:* EL HADJI MBAYE M. DIAGNE, Delegation Member, Senegal  
KAY HARRISON, Negotiator, New Zealand  
MARTIN HESSION, DG Climate Action, European Union  
YUJI MIZUNO, Director for International Negotiations, Japan  
MARCELO ROCHA, Negotiator, Brazil  
ABDELRAHMAN AL-GWAIZ, KSA, Saudi Arabia



SIDE EVENT 12

## MARKET AND NON-MARKET PROVISIONS IN ARTICLE 6

09:30 - 10:00

Business Hub,  
Blue Zone

IETA Business Lounge

## TEA & COFFEE TIME

10:00 - 10:30

Business Hub,  
Blue Zone

IETA Board Room

SIDE EVENT 13

## IETA INFORMAL MEDIA BRIEFING

*Description:* Voluntary markets and their role post-2020. With more compliance markets being developed, new where will voluntary offsets find outlets to support growth?

*Session Coord:* AV

*Facilitator:*

ALESSANDRO VITTELI, Communications Officer, International Emissions Trading Association (IETA)

*Panelists:*

JOCHEN GASSNER, Executive Board Member, First Climate

SIMON HENRY, Program Director, International Carbon Reduction and Offset Alliance (ICROA)



10:00 - 11:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 14

## REIMAGINING ENVIRONMENTAL COMMODITIES: TECHNOLOGY'S IMPACT ON STANDARDS, VERIFICATION AND REPORTING

*Description:* In parallel with global momentum on climate, technological innovation in blockchain, the internet of things (IOT), big data and virtual collaboration has occurred at an unprecedented pace. Every sector of the global economy is impacted by these innovations and environmental commodities and reporting are no exception. The panel includes pioneers in environmental standards, market design, innovation, and reporting who will discuss technology's impact on the scale, transparency and integrity of environmental commodities and reporting. The panel discussion will use the forthcoming Methane Assurance Standard for Natural Gas Production as a basis for discussion.

*Session Coord:* LS

*Moderator:*

TOM BAUMANN, Co-Founder, Interactive Leader

*Speakers:*

JOHN KADYSZEWSKI, Director, American Carbon Registry (ACR)

PEDRO FARIA, Technical Director, CDP

JOE MADDEN, CEO, EOS



11:30 - 13:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 15

## THE ELEPHANT IN THE ROOM IS REALLY A COW

*Description:* With more than 1.5 billion cows on earth, emissions from the livestock industry is the third largest leading cause of anthropogenic GHG globally (18%). Even though we have known this for the last 10 years, it has largely been ignored, and there has been no commercially viable solution addressing this important challenge. Mootral™ will present their solution for significantly reducing carbon emissions from cows by up to 30%. The objectives of the presentation are to raise awareness about livestock emissions, and formulate ways with key stakeholders by which Mootral™ can be scaled globally and deliver instant carbon emission reductions. Thus helping society, corporations and governments meet their carbon reduction targets and reach a sustainable world under 2 degrees immediately.

*Session Coord:* LS

*Moderator:*

TBA, Mootral Executive

*Speakers:*

TBA, NGO

TBA, Industry Executive

TBA, Carbon Expert

**MOOTRAL™**

13:30 - 15:00  
Business Hub,  
Blue Zone  
IETA Side Event Room

## CLIMATE FINANCE AND CARBON MARKET POLICY DIALOGUE - ENSURING GLOBAL EMISSION REDUCTIONS WITH SCALED-UP MECHANISMS UNDER ARTICLE 6

*Description:* The EBRD, as part of the Integrated Carbon Programmes (ICPs) for the Mediterranean developed in co-operation with Spain, has launched a new project that aims to combine a policy dialogue on scaled-up market mechanisms, with financing renewable energy projects and the actual monetization of the emission reductions. This event will advance discussions and provide inputs and recommendations on possible design principles for the operationalisation of future market mechanisms under Article 6 of the Paris Agreement. The work will review the possible design principles to ensure that market mechanisms make a positive and effective contribution towards the 2°C target. Issues to be considered include environmental integrity, overall mitigation in global emissions, private sector mobilisation and how market mechanisms could contribute to the required transformational change and higher ambition levels among involved Parties. The effectiveness and transaction costs will also be considered.

*Session Coord:* LS

*Moderator:* MIREIA VILAPLANA, Senior Consultant, Climate Change and Sustainability, Project Management ICP Project, South Pole Group

*Speakers:* AZIZ MEKOUAR, Ambassador for Multilateral Negotiations, Steering Committee of COP22, Morocco  
IGNACIO ÁNGEL SÁNCHEZ GARCÍA, Deputy Director, MAGRAMA – Spain  
DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)  
ANDREI MARCU, Senior Fellow, International Center for Trade and Sustainable Development (ICTSD)  
ANDREW PRAG, Environmental Policy Analyst, Organisation for Economic Co-operation and Development (OECD)  
ANDREW HOWARD, Managing Director, KORU Climate  
VENKATA RAMANA PUTTI, Program Manager, Carbon Finance Group, World Bank Group  
PATRICK BÜRGI, Director, South Pole Group & Member of the PD-Forum  
JAN-WILLEM VAN DE VEN, Head of Carbon Market Development, EBRD



15:00 - 16:30  
Business Hub,  
Blue Zone  
IETA Side Event Room

## CLEAN ENERGY INVESTMENT AND MARKET TRENDS

*Description:* Three new reports from the IEA shine a spotlight on investment and market trends in clean energy, benchmarking global progress toward decarbonisation goals. World Energy Investment 2016 tracks investment patterns across the energy sector, identifying a reorientation of energy sector spending towards low carbon options despite competition due to low fossil fuel prices. The Energy Efficiency Market Report 2016 and the Renewable Energy Market Report examine some of the key trends in greater detail. These include the remarkable success of energy efficiency policies in reducing energy demand and the outlooks for renewable power, heat, and transport over the next five years. Together, they document an unmistakable shift toward clean energy, one that needs to be strengthened further to be consistent with the long-term goals of the Paris Agreement.

*Session Coord:* LS

*Panelists:* SIMON BENNETT, Economics and Investment Office, International Energy Agency (IEA)  
BRIAN MOTHERWAY, Head of Energy Efficiency Division, International Energy Agency (IEA)  
YASMINA ABDELILAH, Renewable Energy Division, International Energy Agency (IEA)



16:30 - 18:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 18

## CLOSING THE DONOR-RECIPIENT GAP THROUGH INDEPENDENT ASSESSMENT OF MITIGATION ACTIONS

*Description:* In spite of numerous available mitigation action (MA) designs, the number of implemented actions falls short of the needed level of implementation. UDP has piloted an independent assessment of a selection of 20 MA based on publicly available information for a short list of 50 MA. In assessing these MAs, UDP applied the Mitigation Action Assessment Protocol (MAAP tool) developed by the World Bank and its amended version for MA in the design stage. UDP will present the methodology used to identify the 20 MAs, the results of the initial assessment including a reflection on MAs' strengths and weaknesses, their connection to targets put forward in countries' NDCs, and an analysis of the state of MA designs and their related publicly available information. The panel will provide additional perspectives on the applicability and advantages of independent assessments for donors and countries, and in particular the MAAP tool. They will also discuss the potentials and limitations of a database serving as a benchmarking and matchmaking hub, including all independently assessed mitigation actions in a platform.

*Session Coord:* LS



*Moderator:* MIRIAM HINOSTROZA, Head of Programme – Low Carbon Development, UNEP DTU Partnership

*Study Presenter:* TIM REUTEMANN, Researcher, UNEP DTU Partnership

*Speakers:* MIGUEL RESCALVO, Networked Carbon Markets Initiative, World Bank  
JANKA CLAUDER, Technical Support Unit, NAMA Facility

*Country Representative:* JALISCO, MEXICO

*Country Representative:* ECUADOR

18:00 - 19:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 19

## WHAT WILL DRIVE GHG EMISSION REDUCTIONS IN EUROPE?

*Description:* With more than 11 years of operation of the EU ETS, and various reforms to improve its functioning, some EU Member States are considering options at the national level to reduce GHG emissions or to counteract the weak price signal from EU allowances. This side event will discuss the implications of such national measures, what this means for market participants in the EU ETS, for reducing GHG emissions, and for the future of the EU ETS.

*Session Coord:* SdC

*Moderator:* DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:* RUSSEL MILLS, Director Energy & Climate Change, Dow  
ANNE BOLLE, Senior Climate Advisor, Statkraft  
TBA, French Government  
JEAN-YVES CANEILL, Head of Climate Policy, ED  
ANDREI MARCU, Senior Fellow, International Centre for Trade and Sustainable Development (ICTSD)  
TBA, European Commission



19:30 - 20:30

Business Hub,  
Blue Zone

IETA Business Lounge

SIDE EVENT 20

## IETA COP22 BUSINESS HUB RECEPTION

*Session Coord:* LS



09:00 - 09:30

Business Hub,  
Blue Zone

IETA Business Lounge

**TEA & COFFEE TIME**

09:00 - 12:00

China Pavilion,  
Blue Zone

SIDE EVENT 21

**MARKET MECHANISMS FOR EMISSIONS REDUCTIONS: INTERNATIONAL COOPERATION AND LATEST RESEARCH**

*Description:* The event will introduce the latest progress of China carbon emission trading market construction and its positive impact on China's green development strategy. Meanwhile the participants will have the panel discussion on the international ETS operation experience and typical business experiences and practices. This event is hosted by the Climate Change Department of NDRC, National Center for Climate Change Strategies and International Cooperation (NCSC), World Bank, Tsinghua University, Australia National University, IETA, Beijing Environment Exchange, Beijing Green Finance Association, National ETS Capacity Building Center (Beijing) and China Low Carbon Alliance, supported and organized by SinoCarbon.



Session moderated by JIANG ZHAOLI, Deputy Director General, Department of Climate Change, National Development and Reform Commission



09:30 - 11:00  
Business Hub, Blue Zone  
IETA Side Event Room

SIDE EVENT 22

**THE FUTURE OF THE VOLUNTARY MARKET**

*Description:* Over the past 10 years, the voluntary carbon market has proved itself to be an efficient tool to deliver both carbon emission reductions and sustainable development outcomes at least cost. However, the introduction of the Paris Agreement brings both risks and opportunities. New approaches will be needed for the voluntary market to continue remain effective post 2020. This session will discuss how voluntary offsetting can continue to add value and impact under the Paris Agreement.

*Session Coord:* SH

*Moderator:* JONATHAN SHOPLEY, Managing Director, Natural Capital Partners

*Speakers:* SIMON HENRY, Programme Director, International Carbon Reduction & Offset Alliance (ICROA)  
ANDREA ABRAHAMS, Global Director, BP Target Neutral



JAMES GRABERT, Coordinator, Sustainable Development Mechanisms, UNFCCC  
JOE PRYOR, Director, Australian Government Department of the Environment and Energy  
TÚLIO ANDRADE, Head of the Environment and Climate Change Section, Embassy of Brazil in London  
JOCHEN GASSNER, Executive Board Member, First Climate

11:00 - 12:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 23

**ENERGY SECTOR RESILIENCE TO CLIMATE IMPACTS: REGIONAL CHALLENGES AND OPPORTUNITIES**

*Description:* This session will focus on country experiences in enhancing their energy sectors to the short and long-term impacts of climate change. Panellists representing North America, Europe, Asia, and Africa, will discuss region-specific challenges and opportunities and address emerging questions including: "What does the Paris Agreement mean for building energy sector resilience?" and "How does the energy transition change the resilience-building challenge?"

*Session Coord:* LS



*Moderator:* KAMEL BEN NACEUR, Director, Sustainability Technology Outlooks

*Panelists:* Representing North America, Europe, Asia, and Africa

12:30 - 14:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 24

## INDUSTRIAL RELIANCE ON CCS IN A CARBON CONSTRAINED WORLD

*Description:* The industrial sector will require a greater take-up of CCS if it is to better track to emissions levels that can help halt average temperature rises to well below 20C. This side-event explores the reasons why CCS is considered so critical to the mitigation efforts of industrial sectors like iron and steel, cement, fertilisers and hydrogen production; which are responsible for about a quarter of all global emissions.

*Session Coord:* LS

*Moderator:* JOHN SCOWCROFT, Executive Adviser, Global CCS Institute (GCCSI)

*Speakers:* TRUDE SUNDSET, CEO, Gassnova  
NICHOLAS WALTERS, Director, World Steel Association  
TBA, US Industry  
MANUELO OJAN, Director, Heidelberg Cement  
TIM BERTELS, Head of CCS, Shell/ZEP  
TBA, ADNOC



14:00 - 15:30

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 25

## FINANCING LOW EMISSIONS AND SUSTAINABLE DEVELOPMENT: COMPLIANCE CARBON MARKETS BUILT ON VOLUNTARY OFFSET PROGRAM INNOVATION AND INFRASTRUCTURE

*Description:* Credible Voluntary Offset Standards have piloted innovative and environmentally rigorous methodologies with large emissions reduction potential in sectors such as agriculture, forestry, wetlands and grasslands; transportation efficiency; ODS destruction and low GWP refrigerants. Building on this experience, U.S. compliance offset programs in California and Washington have adopted or approved voluntary offset methodologies and approved standards bodies to help them implement their programs. It is expected that ICAO will do the same. Panelists will discuss the important role of voluntary offset programs to serve as an incubator for and co-implementer of compliance markets to deliver climate and sustainability results for corporations and jurisdictions.

*Session Coord:* SH

*Moderator:* JONATHAN SHOPLEY, Managing Director, Natural Capital Partners

*Speakers:* JOHN KADYSZEWSKI, Director, American Carbon Registry  
EDIE CHANG, Deputy Executive Officer, California Air Resources Board  
TBA, U.S. Department of Agriculture  
TBA, U.S. Department of State



15:30 - 17:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 26

## WHAT IS REALLY HOLDING BACK RENEWABLES IN SUB-SAHARAN AFRICA?

*Description:* This session will examine the impediments and challenges to the expansion of small scale renewables in sub-Saharan Africa. In a dynamic Q&A format key stakeholders will share their experience of the sector and their perspectives on what is holding back the transition to a low-carbon economy in the region and how such barriers can be overcome. The session is hosted by the Renewable Energy Performance Platform ([www.repp-africa.org](http://www.repp-africa.org)), an initiative funded by the International Climate Fund focused on delivering the UN SE4All objectives in sub-Saharan Africa.

*Session Coord:* LS

*Moderator:* KARL UPSTON-HOOPER, General Counsel, GreenStream & Renewable Energy Performance Platform

*Speakers:* LINUS MOFOR, Senior Expert on Energy and Climate, UN Economic Commission for Africa (UNECA)  
JOEL MEGGELAARS, Public Affairs Advisor Energy & Climate Change, European Wind Energy Association  
RICK SAINES, Partner, Baker & Mackenzie  
ANDY HERSCOWITZ, Coordinator for President Barack Obama's Power Africa & Trade Africa Initiatives  
SAFIATOU ALZOUMA, Regional Programme Officer, Sub Saharan Africa, International Renewable Energy Agency (IRENA)



GreenStream



17:00 - 18:30

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 27

## INNOVATIVE SOLUTIONS, PRIVATE FINANCE AND THE FUTURE OF RENEWABLES IN AFRICA – BUILDING THE TOOLBOX

*Description:* This session will showcase the efforts of the African finance sector in support the growth of small scale renewables in the region. Although there is a range of initiatives aimed at supporting renewables in sub-Saharan Africa, the key to a vibrant and successful industry in mid-term is the deployment of private finance and the development of an “ecosystem” that enables and rewards the development of renewables projects. Leading participants in the market will discuss how risk mitigation is a theme of increasing the availability of private finance. The session is hosted by the Renewable Energy Performance Platform ([www.repp-africa.org](http://www.repp-africa.org)), an initiative funded by the International Climate Fund focused on delivering the UN SE4All objectives in sub-Saharan Africa.

*Session Coord:* LS



*Moderator:* GEOFF SINCLAIR, Manager, Renewable Energy Performance Platform (REPP)

*Speakers:* PETER COVELIERS, Deputy Head of Division - Climate Change & Environment, European Investment Bank (EIB)  
ANDREAS GUNST, Partner, DLA Piper  
JOSHUA BUSHINSKY, Senior Advisor to President and CEO, Overseas Private Investment Corporation (OPIC)  
SHERRILL BYRNE, Manager, Power and Infrastructure Finance, Standard Bank Group  
TBA, African Development Bank (AfDB)

GreenStream



18:30 - 19:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 28

## OFFICIAL LAUNCH: 'INNOVATE4CLIMATE - FINANCE & MARKETS WEEK'

*Description:* Find out more about this new annual global platform for global action on climate investment that will take place in Barcelona, Spain during the week of 22-26 May, 2017. Organized by the World Bank Group, FIRA Barcelona and IETA, supported by the Spanish Ministry of Agriculture, Food and Environment.

*Session Coord:* LS

*Panelists:* JAMES CLOSE, Director, Climate Change, World Bank Group  
DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)  
TBA, Spanish Government



19:00 - 20:00

Business Hub,  
Blue Zone  
IETA Business Lounge

SIDE EVENT 29

## 'INNOVATE4CLIMATE - FINANCE & MARKETS WEEK' LAUNCH COCKTAIL RECEPTION

*Session Coord:* LS

*Hosted by the World Bank Group and IETA*



08:30 - 09:00

Business Hub,  
Blue Zone

IETA Business Lounge

Session Coord: LS



SIDE EVENT 30

## EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT (EBRD) NETWORKING BREAKFAST

09:00 - 10:30

Business Hub,  
Blue Zone

IETA Side Event Room

Description:

## FOOD AND CLIMATE CHANGE: THE ROLE OF THE PRIVATE SECTOR

Agriculture and climate change are inextricably linked. On the one hand, agriculture emits a fair share of global greenhouse gas emissions; on the other it suffers the impacts of climate change mainly through changes in land and water regimes that subsequently alter agricultural productivity, frequently reducing it. While a significant part of the efforts has been focusing on forests and agricultural land restoration and sustainable management, there is a growing acknowledgement that the whole food production value chain has to be optimised, private agribusinesses playing a prominent role as catalysts for change. In order for this to happen, it is crucial that they have a better understanding of climate change issues on the short and medium term, that the regulatory (including pricing of environmental externalities) measures are supportive, and that a solid value chain and adequate finance are made available.

Session Coord: LS

Moderator & Keynote:

NICHOLAS STERN, I.G. Patel Professor of Economics and Government LSE & Former Chief Economist of the EBRD and of the World Bank

EBRD welcome:

MATTIA ROMANI, Managing Director, Economics, Policy and Governance, Vice Presidency for Policy and Partnerships, European Bank for Reconstruction and Development

Panel discussion:

ANOUAR ALASRI, Director General, Elephant Vert  
HAKIM MARRAKCHI, CEO, Maghreb Industries  
MARIE HELENA SEMEDO, Deputy Director-General for Natural Resources, UN Food and Agriculture Organization  
KRISTELL GUIZOUARN, Director of Sustainable Development, Avril  
PIERRE-ANDRE TERISSE, Executive VP, Danone

Summary & Conclusions:

MATTIA ROMANI, Managing Director, Economics, Policy and Governance, Vice Presidency for Policy and Partnerships, European Bank for Reconstruction and Development



10:00 - 10:30

Business Hub,  
Blue Zone

IETA Board Room

Description:

Week 1 wrap. Are we meeting the co-chairs' timetable? What are the main areas needing further work?

Session Coord: AV

Facilitator:

ALESSANDRO VITTELI, Communications Officer, International Emissions Trading Association (IETA)

Panelists:

JONATHAN GRANT, Director, Climate Change, PwC UK  
LISA DEMARCO, Senior Partner, DeMarco Allan

SIDE EVENT 32

## IETA INFORMAL MEDIA BRIEFING



10:30 - 12:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 33

## IFC COP22 DAY: A TRILLION DOLLAR OPPORTUNITY: CLIMATE INVESTMENTS IN EMERGING MARKETS

*Description:* The historic Paris Agreement will be implemented through country-led greenhouse gas reduction commitments known as Nationally Determined Contributions (NDCs). The NDCs open doors for enormous investment opportunities for the private sector and a clear roadmap for the move toward a low-carbon, climate resilient global economy. The panel will showcase IFC clients who had implemented successful climate smart projects in industries ranging from renewables, to energy efficiency and green finance.

*Session Coord:* KS

*Moderator:* JAMES KYNGE, Emerging Markets Editor, Financial Times

*Opening Remarks:* DIMITRIS TSITSIRAGOS, Vice President for Global Client Services, IFC

*Featured Panelists:* ACWA Power, Heidelberg Cement; Moroccan Agency for Solar Energy (MASEN); Türkiye Sınai Kalkınma Bankası (TSKB); BMR Wind; and others



12:30 - 14:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 34

## CAN CCS DELIVER ON THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC) MITIGATION NEEDS?

*Description:* The IPCC's 5th Assessment Report's (AR-5) indicates that it is still plausible the world can meet the 'well below' 2°C goal with the mitigation options available today; but it is almost impossible to envisage such a scenario without the widescale deployment of CCS, including negative emissions through bioenergy coupled with CCS (BECCS).

*Session Coord:* LS

*Moderator:* MARK BONNER, Global Lead, Global CCS Institute (GCCSI)

*Speakers:* DAVID TURK, Division Head, International Energy Agency (IEA)

JIM SKEA, Co-Chair of WGIII, IPCC

TIM JULIANI, Senior Directo, C2ES

TBA, Finance expert

RODOLFO LACY TOMAYO, Deputy Secretary, Mexico Government



14:00 - 16:30

The Pearl Hotel  
Marrakech

SIDE EVENT 35

## IETA BOARD MEETING

*Closed Meeting, for IETA Board Members Only*



14:00 - 16:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 36

## IFC COP22 DAY: RENEWABLES IN THE MIDDLE EAST & NORTH AFRICA: MISSION POSSIBLE

*Description:* Several countries in the Middle East and North Africa are focusing on solar power as a means to satisfy rising electricity demand, make cuts to unsustainable government subsidy programs and reduce dependence on energy imports. The rapid growth in electricity demand and lagging supply has also resulted in power shortages. Despite recent successes, are the MENA countries taking advantage of the full scale of renewables? What needs to be done to accelerate investments in this sector. The panel will discuss challenges and opportunities in the renewables markets, highlighting success stories across the region.

*Session Coord:* KS

*Moderator:* JAMES KYNGE, Emerging Markets Editor, Financial Times

*Opening Remarks:* MOUAYED MAKHLOUF, Regional Director, IFC Middle East and North Africa

*Featured Panelists:* Massdar; Tafila Wind; Alcazar; Lekela Power; and others



17:00 - 19:00

Business Hub,  
Blue Zone

IETA Business Lounge  
Session Coord: LS



SIDE EVENT 37

## IFC COP22 DAY: SUSTAINABLE BANKING NETWORK EVENT

Reception Hosted by the International Finance Corporation (IFC)

17:00 - 19:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 38

## ELEMENTS AND ENABLERS OF LOW EMISSIONS PATHWAYS

**Description:** This event will bring together experts to consider the key elements and enablers of a low-emissions pathway. IPIECA will share its views, with the highlights from its new paper, of the common elements of any transition (efficiency, reducing grid emissions, electrification, and addressing other sources), along with the critical enablers (being collaboration, effective policy, and finance). Expert panellists will discuss with the audience their views on these elements and enablers, and the role of oil and gas.

**Session Coord:** LS

**Moderator:** DAVID HONE, Chief Climate Change Adviser, Shell

**Speakers:** BRIAN SULLIVAN, Executive Director, IPIECA  
JEFFREY SACHS, Director, Earth Institute & Quetelet Professor of Sustainable Development, Columbia University  
ROSANNA FUSCO, Vice President Environment, Eni  
JEREMY OPPENHEIM, Programme Director, Energy Transition Commission  
OMAR S. ABDUL-HAMID, Manager, Research & Development Center, Saudi Aramco

# IPIECA

17:00 - 18:30

The Pearl Hotel  
Marrakech



SIDE EVENT 39

## IETA ANNUAL GENERAL MEETING

*Closed Meeting, for IETA Members Only*

18:30 - 19:30

The Pearl Hotel  
Marrakech



SIDE EVENT 40

## IETA ANNUAL GENERAL MEETING RECEPTION

*Closed Meeting, for IETA Members Only*

19:00 - 20:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 41

## STRENGTHENING CLIMATE FINANCE IN A NEW ERA OF TRANSPARENCY, ACCOUNTABILITY AND INCLUSIVENESS: THE STAKEHOLDER ADVISORY NETWORK

**Description:** On November 14, the SAN will be formally launched. Join the conversation with civil society, indigenous people, ministerial and private sector representatives. The SAN works to coordinate the work of non-state actors so that climate governance is inclusive, participatory, and transparent, has integrity and is accountable at all levels of climate finance decision-making.

**Session Coord:** LS

**Panelists**



MARY ROBINSON, President, Foundation – Climate Justice  
CATHERINE MCKENNA, Minister of Environment and Climate Change, Canada  
VIDAR HELGESEN, Minister for Climate and the Honorable, Norway  
ANIL MADHAV DAVE, Minister for Environment, Forests, and Climate Change, India  
SYDNEY ALEXANDER SAMUELS MILSON, Minister of the Environment, Guatemala  
VICTORIA TAULI-CORPUZ, Special Rapporteur on the Rights of Indigenous Peoples

20:00 - 22:00

Restaurant La Maison  
Arabe, Marrakech



SIDE EVENT 42

## IETA BOARD DINNER

*Closed Meeting, for IETA Board Members Only*

08:30 - 11:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 43

**GREEN BONDS FOR GREEN ECONOMIES**

*Description:* The panel discussion aims to profile green bonds as an instrument to mobilize private sector capital for green economies, share IFC experience in green bonds, and introduce a new initiative that IFC is working on to catalyze the green bond market in developing countries. The event will seek to align potential donors and institutional investors for a new Green Bond initiative that IFC is leading and expecting to launch in 2017. The link between green bond markets and climate finance policy reforms at country level will also be discussed.

*Session Coord:* KS

*Moderator:* IRENE ARIAS, Director, IFC Financial Institutions Group

*Opening Remarks:* DIMITRIS TSITSIRAGOS, Vice President for Global Client Services, IFC

*Featured panelists:* Climate Bond Initiative; IFC Treasury; Fransabank Group; YES Bank; Türkiye Sınai Kalkınma Bankası; and others



09:00 - 10:00

U.S. Center, Blue Zone

SIDE EVENT 44

**INFORMAL BRIEFING ON U.S. CLIMATE POLICY COFFEE BREAK**

*Session Coord:* TL Will feature remarks by Administration officials on U.S. climate policy and an informal dialog with small group of U.S. stakeholders.



11:00 - 12:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 45

**CO2 ENHANCED OIL RECOVERY FOR CAPTURE AND STORAGE OF CO2**

*Description:* Analysts have proposed that CO2 enhanced oil recovery projects could be leveraged into the wider deployment of CO2 capture and geological storage (CCS). At the same time, the operations of CO2 enhanced oil recovery are focused on maximizing oil production with minimal CO2 injection, in which much of current CO2 is purchased from mostly naturally occurring sources. Regulations that are developed originally for such enhanced oil recovery production may have to be modified. The CO2 Capture Project asked ERM to conduct a study about the likely gaps between current EOR regulations around the world and potential regulatory frameworks that would enable such CO2 EOR projects to transition to CO2 storage projects. Further, panelists have been invited to discuss a range of deployment issues in CO2 EOR transitioning to CCS.

*Session Coord:* LS



*Moderator:* LEE SOLSBERY, Global Technical Director, Energy and Climate Change, ERM

*Speakers:* ARTHUR LEE, Chevron Fellow and Senior HES Advisor – Climate Change, CCP4  
JOHN SCOWCROFT, Executive Adviser for Europe, Middle East and Africa, Global CCS Institute (GCCSI)  
SERGIO PERSOGLIA, Director, International Collaborations, CO2GeoNet



12:30 - 14:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 46

## CARBON PRICING: DRIVING AMBITION AND ACTION - COP22 LEADERSHIP EVENT

*Description:* This high-level event will assess the progress already made, showcase individual action and leadership, and bring up new voices and ambition to address climate change through a market-based approaches. Speakers, from Ministers to executives leading the agenda, will take stock of global action and address how we are collectively achieving greater ambition to put a price on carbon via Expanding coverage to new countries and regions that do not currently price carbon; Deepening coverage in those areas with a price; and Converging carbon pricing systems to gain efficiencies and synergies.

*Session Coord:* KS

*Panelists:* JIM YONG KIM, President, World Bank Group  
SÉGOLÈNE ROYAL, French Minister of the Environment, Energy and Marine Affairs & COP21 President  
MICHELLE BACHELET, President, Chile  
REMI ALLAH-KOUADIO, Minister of Environment, Cote d'Ivoire  
RAFAEL PACCHIANO ALAMÁN, Secretary of Environment and Natural Resources, Semarnat, Mexico  
CATHERINE MCKENNA, Minister of Environment and Climate Change, Canada  
DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)  
TBA, HSBC  
TBA, Mahindra & Mahindra  
TBA, LATAM



14:00 - 16:45

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 47

## MATERIAL IMPACT OF LOW CARBON PATHWAYS, DEEP DECARBONISATION TECHNOLOGIES AND POLICY DIALOGUE, A DISCUSSION FROM BIG PICTURE TO CLIMATE ACTION IMPLEMENTATION

*Description:* COP22 is increasingly referred to as the implementation conference. The expectation is that at the COP22 the rules of the Paris Agreement will be further negotiated, ensuring that technology development and implementation, in parallel to policy measures, will lead to low carbon developments in a range of economic sectors. The planned workshop is to contribute to the discussion on the pathways to deep carbon reduction (including implications for material resources demand), further explore long term infrastructure measures, and examples of practitioners putting into place low carbon investments. In other words, the workshop is to sketch low carbon developments from current technology transfers under FINTECC, to stimulating planning actions for medium terms deep decarbonisation via infrastructure investments.

*Session Coord:* LS

*Moderator:* GIANPIERO NACCI, Associate Director, European Bank for Reconstruction and Development (EBRD)

*Speakers:* JOSUÉ TANAKA, Managing Director, Energy Efficiency and Climate Change, European Bank for Reconstruction and Development (EBRD)  
TBA, Global Environment Facility (GEF)  
JEAN-FRANÇOIS GAGNÉ, Head of Energy Technology Policy Division, International Energy Agency (IEA)  
DAVID HONE, Chief Climate Change Adviser, Shell  
JOHN SCOWCROFT, Executive Adviser for Europe, Middle East and Africa (EMEA), Global CCS Institute (GCCSI)  
REN-CHAIN (JOSEPH) WANG, Deputy General Director, Industrial Technology Research Institute (ITRI)  
JAN-WILLEM VAN DE VEN, Associate Director, Head of Carbon Market Development, European Bank for Reconstruction and Development (EBRD)  
JEAN-FRANÇOIS GAGNÉ, Head of Energy Technology Policy Division, International Energy Agency (IEA)  
MANUELA OJAN, Global Environmental Sustainability, HeidelbergCement & Cement Sustainable Initiative (CSI)  
JUKKA UOSUKAINEN, Director, Climate Technology Centre and Network (CTCN)  
DUDUZILE NHLENGETHWA-MASINA, Chair, TEC  
NUNO SANTOS, Economist, Food and Agriculture Organisation (FAO)



16:45 - 18:30

Business Hub,  
Blue Zone

IETA Business Lounge

Session Coord: LS

SIDE EVENT 48

## EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT (EBRD) COCKTAIL RECEPTION



17:00 - 18:30

Business Hub,  
Blue Zone

IETA Side Event Room

Description:

## CLIMATE FINANCE & CARBON MARKETS (MAKING THE LINKS)

SIDE EVENT 49

Join government leaders and private finance experts to explore the critical interplay between financing climate action – in developed and developing regions – and carbon markets. Experts will take stock of how existing international, national and sub-national markets are raising massive funds via market mechanisms, and channeling proceeds into climate projects, clean technologies and resilience. How can these novel approaches be replicated, scaled and used to leverage even more low-carbon private capital? To date, what have we learned on gauging success and evaluating effective climate finance governance? What can the international community learn around “connecting the climate finance and carbon market dots”, and why - more than ever before – is it essential for them to listen, act and replicate?

Session Coord: KS

Moderator: KATIE SULLIVAN, Director, North America & Climate Finance, International Emissions Trading Association (IETA)

Speakers: DAVID HEURTEL, Minister of Sustainable Development, Environment and the Fight against Climate Change, Quebec

FENELLA AOUANE, Principal Green Investment Specialist, Global Green Growth Institute (GGGI)

MURRAY BIRT, Vice President, Deutsche Asset Management

ABYD KARMALI, Managing Director, Climate Finance, Bank of America Merrill Lynch

JUSTIN JOHNSON, Secretary of Administration, State of Vermont

JONATHAN GRANT, Director, Climate Change, PwC UK



18:00 - 20:00

U.S. Center, Blue Zone

SIDE EVENT 50

## BUSINESS-DRIVEN DIPLOMACY RECEPTION

Description:

Reception at the U.S. Center recognizing the role of the private sector in addressing climate change and reducing GHG emissions. Attendees expected to include delegates from the EU, Umbrella Group, and developing countries, as well as business and industry representatives from around the world, environmental NGOs and academia.

Session Coord: TL

Panelists:

JOHNATHAN PERSHING, U.S. Special Envoy for Climate Change, US Delegation

KAREN FLORINI, Deputy Special Envoy for Climate Change, U.S. State Department of State

BRIAN WOLF, Executive Vice President, Public Policy and External Affairs, Edison Electric Institute (EEI)

DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

ELLIOT DIRINGER, Executive Vice President, Center for Climate and Energy Solutions (C2ES)



Connecting Electric Companies. Powering The Future



08:00 - 08:30  
Business Hub,  
Blue Zone  
IETA Business Lounge

## TEA & COFFEE TIME

08:30 - 10:30  
Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 51

## COLLABORATION ON CARBON MARKETS IN NORTH AMERICA AND ABROAD: THE WAY FORWARD

*Description:*

*Session Coord:* KS

This event is co-hosted by the governments of Québec, California, Ontario, Mexico and Switzerland. Enhancing ambition and accelerating action will be among the central themes of COP-22. This session will showcase the work that is being done at the subnational and Party levels to increase mitigation outcomes through the successful operation and expansion of carbon markets. As the largest carbon market in North America and the first of its kind to have been developed and to be operated by sub-national governments of different countries, the Québec-California carbon market, known as the WCI will soon be strengthened when it will link with Ontario's upcoming cap-and-trade system. In addition, Mexico is currently setting up its own carbon market with a view of making it compatible with that of WCI market. Both Québec and California are working closely with these partners to assist them in successfully carrying out their projects.

*Welcome and introduction:*

PHILIPPE COUILLARD, Premier, Québec  
RAFAEL PACCHIANO ALAMÁN, Secretary of Environment and Natural Resources, Mexico

*Moderator:*

DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:*

DAVID HEURTEL, Minister of Sustainable Development, Environment and the Fight against Climate Change, Québec  
GLEN MURRAY, Minister of Environment and Climate Change, Ontario  
MATT RODRIQUEZ, Secretary for Environmental Protection, California

*Closing remarks:*

RODOLFO LACY, Deputy Secretary of Planning and Environmental Policy, Secretary of Environmental and Natural Resources, Mexico

*Linking of Swiss and EU emissions markets:*

DORIS LEUTHARD, Minister of Environment, Switzerland

Développement durable.  
Environnement et Lutte  
contre les changements  
climatiques

Québec 

10:00 - 10:30  
Business Hub,  
Blue Zone  
IETA Board Room

SIDE EVENT 52

## IETA INFORMAL MEDIA BRIEFING

*Description:*

Ministerial segment progress - assessment of political will. Paris was ratified very quickly, is this speed being felt in the pace of the talks?

*Session Coord:* AV

*Facilator:*

ALESSANDRO VITTELI, Communications Officer, International Emissions Trading Association (IETA)

*Panelists:*

RICK SAINES, Partner, Baker & McKenzie  
JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)



10:30 - 12:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 53

## TRANSPORTATION STRATEGIES FOR REACHING A LOW/NO CARBON ECONOMY

*Description:* Transportation is overtaking the power sector as the largest source of emissions. How can governments achieve significant reductions in this sector? Fuel economy standards will contribute, but not enough to keep warming below 2° C, especially given recent declining gasoline prices. To reach these commitments, new policies, programs, and technologies must be deployed to build the market for low/zero-emission vehicles, promote lower-carbon fuels, foster mass transit alternatives, and incorporate GHG goals into land use planning processes. Public and corporate leaders will discuss some of these innovative strategies to reduce emissions from transportation while maintaining mobility of people and goods.

*Session Coord:* LS

*Moderator:* CRAIG EBERT, President, Climate Action Reserve (CAR)

*Speakers:* MATT RODRIGUEZ, Secretary, California Environmental Protection Agency, USA  
ANDREAS KLUGESCHIED, Head of Steering Government and External Affairs, BMW, Germany  
GLEN MURRAY, Minister of Environment and Climate Change, Ontario, Canada  
DEBORAH MARKOWITZ, Secretary of Natural Resources, Vermont, USA



CLIMATE  
ACTION  
RESERVE

12:00 - 13:30

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 54

## PAN-CANADIAN CLIMATE COOPERATION: HIGH-LEVEL COP22 DIALOGUE ON PROVINCIAL & FEDERAL CLIMATE ACTION IN CANADA

*Description:* Join this high-level session to learn about Canada's latest climate action achievements, proposals, outlooks and leadership. The panel, co-hosted by IETA and IISD, will showcase Canada's swiftly - evolving climate policy landscape across sub-national and federal levels. Discussants will also explore how the "cooperative" Canadian climate story - including provincial policy innovations achieved to date - represent promising lessons & models for the international community.

*Session Coord:* KS

*Moderator:* KATIE SULLIVAN, Director, North America & Climate Finance, International Emissions Trading Association (IETA)

*Opening Remarks:* SCOTT VAUGHAN, President, IISD

*Speakers:* CATHERINE MCKENNA, Minister of Environment and Climate Change, Canada  
MARY POLAK, Minister of Environment, Government of British Columbia, Canada  
GLEN MURRAY, Minister of Environment and Climate Change, Government of Ontario, Canada  
CATHY COX, Minister of Sustainable Development, Government of Manitoba, Canada  
SHANNON PHILIPS, Minister of Environment and Parks, Government of Alberta, Canada  
DAVID HEURTEL, Minister of Sustainable Development, Environment and the Fight against Climate Change, Government of Quebec, Canada  
ERIK SOLHEIM, Executive Director, United Nations Environment Programme



IETA  
CLIMATE CHALLENGES  
MARKET SOLUTIONS



IISD  
International Institute for  
Sustainable Development

13:30 - 15:00

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 55

## OPTIMISING AUSTRALIA'S POSITION IN INTERNATIONAL CARBON MARKETS

*Description:* After a few years of instability, Australia has stabilised its climate policy suite. At the same time, the Paris Agreement offers unique opportunities to increase climate ambition while keeping costs down. With the 2017 Review of Australia's climate policy drawing closer, this event aims to explore ways to optimise Australia's position in international carbon markets.

*Session Coord:* SdC

*Moderator:* DIRK FORRISTER, CEO, International Emissions Trading Association (IETA)

*Speakers:* PETER CASTELLAS, CEO, Carbon Market Institute (CMI)  
MARTIJN WILDER, Partner, Baker & McKenzie  
RENAT HEUBERGER, CEO, The South Pole Group  
TBA, Australia Government  
CAMERON REID, Manager - Carbon & Renewable Energy Policy, AGL



15:00 - 16:30

Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 56

## THE PARIS AGREEMENT TRANSPARENCY FRAMEWORK: A BUILDING BLOCK FOR ENHANCED MITIGATION ACTION

*Description:* The Paris Agreement (PA) has established a process of cooperation among all involved stakeholders to coordinate, implement and review an accelerated global action to mitigate, and adapt to, climate change. This process will involve actors and actions at global, national and local level, and will need to ensure the sharing of the appropriate information among all the involved stakeholders. The presentation of a paper by Joseph Aldy, "Living Mitigation Plans: The Co-Evolution of Mitigation Pledge and Review" will examine how the PA enhanced transparency framework can and should be elaborated, implemented, and complemented. The discussion will consider in part "living mitigation plans" as one approach to building upon a necessarily incomplete transparency regime. Panelists will address approaches to realizing the provisions for the Agreement dealing with reporting, review, global stock-taking, and re-pledging, offering possible policy implications for domestic and global climate policy. The panel will also address how stakeholders' engagement could support NDC implementation and how the review process can inform the design of future NDCs.

*Session Coord:* TL

*Moderator:* ROBERT STAVINS, Director, Harvard Project on Climate Agreements, Harvard Kennedy School

*Speakers:* JOSEPH ALDY, Associate Professor of Public Policy, Harvard Kennedy School  
SIMONE MORI, Head of European Affairs, Enel Group



**Harvard Project on  
Climate Agreements**

15:00 - 16:30  
Observer Room 2  
Pacific, Blue Zone

SIDE EVENT 57

## IETA OFFICIAL SIDE EVENT: THE MINISTERIAL DECLARATION ON CARBON MARKETS: BUILDING HIGH-INTEGRITY INTERNATIONAL CARBON MARKETS

*Description:* Emission trading programs that cap and cut climate pollution are now underway in over fifty jurisdictions around the world that are home to over 1 billion people. Panelists, including several Ministers, will explore how coordination among market-interested countries can enhance environmental integrity and mitigation ambition.

*Session Coord:* JS

*Moderator:* DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:* CATHERINE MCKENNA, Minister of Environment and Climate Change, Canada  
PAULA BENNETT, Minister for Social Development, Employment and Youth Affairs, New Zealand  
NATHANIEL KOEHANE, Vice President, International Climate, Environmental Defense Fund (EDF)  
ANDREW HOWARD, CEO, Koru Climate  
TBC, Senegal  
TBC, ICAO



16:30 - 18:00  
Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 58

## EAST ASIA'S CARBON MARKETS: UPDATES FROM CHINA, KOREA, TAIWAN, AND JAPAN

*Description:* East Asia is taking major steps towards implementing carbon markets-notably in China, Korea, Japan and Taiwan. This session will gather experts from Asia's carbon markets at COP 22 to discuss what to expect from these markets in 2017.

*Session Coord:* JS

*Moderator:* JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)

*Speakers:* RENATO ROLDAO, Team Leader, China, ICF International  
HUI-CHEN CHIEN, Counselor & Executive Director, Taiwan Environmental Protection Administration  
SUH-YONG CHUNG, Associate Dean and Professor, Division of International Studies, Korea University  
YUJI MIZUNO, Principal Researcher, IGES, Japan



18:00 - 19:30  
Business Hub,  
Blue Zone  
IETA Side Event Room

SIDE EVENT 59

## POST-ELECTION: THE OUTLOOK FOR U.S. CLIMATE POLICY

*Description:* The future of U.S. climate policy will be heavily shaped by the outcome of the Nov. 8 Presidential and Congressional elections. U.S. policymakers and business leaders will provide their perspectives on what this pivotal election means for climate progress in Washington and at the state level.

*Session Coord:* TL

*Moderator:* ELLIOT DIRINGER, Executive Vice President, Center for Climate and Energy Solutions (C2ES)

*Speakers:* MARNIE FUNK, Senior Advisor, Government Relations, Shell  
JOSH KLEIN, Senior Professional Staff, Senate Foreign Relations Committee  
MATT RODRIQUEZ, Secretary for Environmental Protection, California  
BRIAN WOLFF, Executive Vice President, Public Policy and External Affairs, Edison Electric Institute (EEI)



21:30 - 00:00  
Marrakech

SIDE EVENT 60

## IETA COP22 NIGHTCAP RECEPTION

*Closed Event, On Invitation Only*



11:00 - 11:30

Business Hub,  
Blue Zone

IETA Business Lounge

## TEA & COFFEE TIME

11:30 - 13:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 61

## ARTICLE 6.4 OF THE PARIS AGREEMENT - EVOLUTION OF THE EMISSIONS MITIGATION MECHANISM

*Description:* Article 6 of the Paris Agreement has created a 'home' for international carbon markets to be developed and implemented for years to come. The 4th paragraph of Article 6 of the Paris Agreement is intended to catalyze a new mechanism to enhance emissions mitigation and sustainable development. How will this mechanism differ from the CDM and JI of the Kyoto Protocol? How will it help develop projects at the scale needed to move towards a 2-degree temperature limit? How will it keep costs low while supporting both mitigation and sustainable development? This session will explore Article 6.4 and how it might be developed under the UNFCCC.

*Session Coord:* JS

*Moderator:* JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)

*Speakers:* CHRISTINA HOOD, Head of Unit, Environment and Climate Change, International Energy Agency (IEA)  
TULIO ANDRADE, Head of Environment and Climate Change Section, Embassy of Brazil, UK  
AMY STEEN, Legal Officer, UNFCCC  
JONATHAN GRANT, Director, Climate Change, PwC



**IETA**  
CLIMATE CHALLENGES  
MARKET SOLUTIONS

13:30 - 15:00

Business Hub,  
Blue Zone

IETA Side Event Room

SIDE EVENT 62

## REGIONAL PARTNERSHIP FOR CARBON MARKET CAPACITY BUILDING

*Description:* As more carbon markets around the world are developing bottom-up under the Paris Agreement, starting at domestic levels that could eventually lead to regional linkage, this side event explores how regional partners could work together for capacity building with assistance from others with valuable experiences in the carbon market.

*Session Coord:* LS

*Moderator:* ROBERT SHIH, General Manager, YC Consultants

*Speakers:* HUI-CHEN CHIEN, Counselor & Executive Director, Taiwan Environmental Protection Administration  
JEFF SWARTZ, Director, International Policy, International Emissions Trading Association (IETA)  
TAKASHI HONGO, Senior Fellow, Mitsui Global Strategic Studies Institute, Japan  
YONG GUN KIM, Director of Climate and Air Management Division, Korea Environment Institute  
NGUYEN VAN MINH, Deputy Minister of Natural Resources and Environment, Ministry of Natural Resources & Environment, Vietnam  
RENATO ROLDAO, Team Leader, China, ICF International



**ITRI**  
Industrial Technology  
Research Institute

14:30 - 16:00

European Union  
Pavilion, Blue Zone

SIDE EVENT 63

## HOW TO ALIGN EU POLICY WITH THE GOALS OF THE PARIS AGREEMENT?

*Description:* The International Emissions Trading Association (IETA), the Institute for Climate Economics (I4CE) and Enerdata will gather experts from the EU institutions, major European industrial companies, research institutes and think tanks to discuss at COP22 how we can together align current EU climate policies with the outcomes and goals of the Paris Agreement.

*Session Coord:* SdC

*Moderator:* DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)

*Speakers:* JOS DELBEKE, Director General for Climate Action, European Commission  
BENOÎT LEGUET, Director General, I4CE  
SYLVAIN CAIL, Analyst, Enerdata  
DANIELE AGOSTINI, Head of Low Carbon Policies and Carbon Regulation, ENEL  
CHRISTINE FEDIGAN, Head of Corporate Climate Strategy, ENGIE



**IETA**  
CLIMATE CHALLENGES  
MARKET SOLUTIONS

09:30 - 10:00

Business Hub,  
Blue Zone

IETA Business Lounge

**TEA & COFFEE TIME**

10:00 - 10:30

Business Hub,  
Blue Zone  
IETA Board Room

SIDE EVENT 64

**IETA INFORMAL MEDIA BRIEFING**

*Description:* Closing views on success in Marrakech. Are we getting/did we get what we expected? Is there a clear vision of the negotiating process? Will the rules take 4 years as they did for Kyoto?

*Session Coord:* AV

*Facilitator:* ALESSANDRO VITTELI, Communications Officer, International Emissions Trading Association (IETA)

*Panelists:* NATHANIEL KEOHANE, Vice President for Global Climate, Environmental Defense Fund (EDF)  
DIRK FORRISTER, President & CEO, International Emissions Trading Association (IETA)



11:00 - 12:00

European Union  
Pavilion, Blue Zone

SIDE EVENT 65

**MEETING WITH EUROPEAN PARLIAMENT DELEGATION***Closed Event, On Invitation Only*

*Session Coord:* SdC





## AMERICAN CARBON REGISTRY (ACR)

The American Carbon Registry (ACR), a nonprofit enterprise of Winrock International, was founded in 1996 as the first private voluntary greenhouse gas registry in the world. A mission-driven institution named for philanthropist Winthrop Rockefeller, Winrock believes that climate change will have a profound impact on the poorest populations around the world and that markets are the most effective path to mobilize actions to reduce emissions. Winrock operates ACR to create confidence in the environmental and scientific integrity of carbon offsets in order to accelerate transformational emission reduction actions. As a pioneer in harnessing the power of markets to improve the environment, ACR has set the bar for offset quality that is the market standard today and continues to lead market innovations.

Contact Person: MARY GRADY, Deputy Director  
[acr@winrock.org](mailto:acr@winrock.org) | [www.americancarbonregistry.org](http://www.americancarbonregistry.org)



## CAMCO CLEAN ENERGY LTD

Camco Clean Energy, a subsidiary of redT energy PLC (LSE:RED) works with project developers, utilities, donors, private and multilateral development banks to assist in the development and financing of renewable energy projects in Africa. The firm is a leader in the renewable energy sector, with 25 years' experience managing public and private sector funding, and advising developers and governments on project finance via its network of offices in Kenya, South Africa, Ghana and London. Camco co-advises on the Green Africa Power (GAP), a mezzanine fund dedicated to financing renewables in Africa as well as the Renewable Energy Performance Platform (REPP). [www.camcocleanenergy.com](http://www.camcocleanenergy.com)

Contact Person: GEOFF SINCLAIR, Chief Investment Officer and Head of Africa  
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## CARBON PRICING LEADERSHIP COALITION (CPLC)

The Carbon Pricing Leadership initiative brings together leaders from across government, the private sector and civil society to expand the use of carbon pricing.

Contact Person: THOMAS KERR, Director  
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## CENTER FOR CLIMATE AND ENERGY SOLUTIONS (C2ES)

C2ES is the successor to the Pew Center on Global Climate Change, and is widely recognized as an influential and pragmatic voice on climate issues. Our mission is to advance strong policy and action to reduce greenhouse gas emissions, promote clean energy, and strengthen resilience to climate impacts. A key objective is a national market-based program to reduce emissions cost-effectively. We believe a sound climate strategy is essential to ensure a strong, sustainable economy.

Contact Person: ELLIOT DIRINGER, Executive Vice President  
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## CENTER FOR SUSTAINABILITY STUDIES (GVCES)

GVces of the Business Administration School of Fundação Getulio Vargas (FGV-EAESP) is an open environment for study, learning, made up of personnel with a multidisciplinary and diverse background; these are highly creative people that are engaged, committed, curious and bold, and especially motivated by a genuine desire to change the world. GVces bases its activities in formulating and following-up public policies, in building tools for self-regulation and in the development of strategies and tools for business management towards sustainability, locally, regionally, nationally and internationally. This action takes place through the following activities: (i) formal and informal education; (ii) applied research and publications; (iii) promoting debates, mobilizations and sensitizing society around the theme; (iv) communications; (v) and through an exchange of experiences and information that can disseminate concepts and practices around sustainability in all its dimensions.

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## CHEVRON



Chevron is one of the world's leading integrated energy companies. Our success is driven by our people and their commitment to get results the right way—by operating responsibly, executing with excellence, applying innovative technologies and capturing new opportunities for profitable growth. We are involved in virtually every facet of the energy industry. We explore for, produce and transport crude oil and natural gas; refine, market and distribute transportation fuels and lubricants; manufacture and sell petrochemical products; generate power and produce geothermal energy; provide renewable energy and energy efficiency solutions; and develop the energy resources of the future, including research into advanced biofuels.

Contact Person: ARTHUR LEE, Chevron Fellow and Senior HES Advisor – Climate Change  
 rlas@Chevron.com | www.chevron.com

## CLIMATE ACTION RESERVE (CAR)



CLIMATE  
ACTION  
RESERVE

The Climate Action Reserve is the most experienced, trusted and efficient offset registry to serve the carbon markets. With deep roots in California and a reach across North America, the Reserve encourages actions to reduce greenhouse gas emissions and works to ensure environmental benefit, integrity and transparency in market-based solutions to address global climate change. It operates the largest accredited registry for the California compliance market and has played an integral role in the development and administration of the state's cap-and-trade program. The Reserve program promotes immediate environmental and health benefits to local communities and brings credibility and value to the carbon market. The Climate Action Reserve is a private 501(c)(3) nonprofit organization based in Los Angeles, California.

Contact Person: CRAIG EBERT, President  
 cebert@climateactionreserve.org | www.climateactionreserve.org

## CLIMATE HOME (Formerly RTCC)



RTCC is a not-for-profit organization and is an official Observer to the United Nations Framework Convention on Climate Change (UNFCCC) the Convention for Biological Diversity (CBD) and the United Nations Convention to Combat Desertification (UNCCD). It holds "Special Advisory Status" with The United Nations Economic and Social Council (ECOSOC) as well as officially supporting UNFCCC in its outreach programme.

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 james@rtcc.org | www.climatechangenews.com



## CLIMATE INVESTMENT FUNDS (CIFs)

Since 2008, the CIF has been leading efforts to empower transformations in the energy, climate resilience, transport and forestry sectors. CIF concessional financing offers flexibility to test new business models and approaches, build track records in unproven markets, and boost investor confidence to unlock additional finance from other sources, particularly the private sector and the multilateral development banks that implement CIF funding.

Contact Person: FISSEHA TESSEMA ABISSA, Senior Specialist on Sustainability, Climate Change, Sustainable Business Models and Sustainable Technology  
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## DENTONS



Dentons is the world's first polycentric global law firm. A top 20 firm on the Acritas 2015 Global Elite Brand Index, the Firm is committed to challenging the status quo in delivering consistent and uncompromising quality and value in new and inventive ways. Driven to provide clients a competitive edge, and connected to the communities where its clients want to do business, Dentons knows that understanding local cultures is crucial to successfully completing a deal, resolving a dispute or solving a business challenge. Now the world's largest law firm, Dentons' global team builds agile, tailored solutions to meet the local, national and global needs of private and public clients of any size in more than 125 locations serving 50-plus countries.

Contact Person: JEFFREY C. FORT, Partner  
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## EDISON ELECTRIC INSTITUTE (EEI)



The Edison Electric Institute (EEI) is the association that represents all U.S. investor-owned electric companies. Our members provide electricity for 220 million Americans, operate in all 50 states and the District of Columbia, and directly employ more than 500,000 workers. With \$100 billion in annual capital expenditures, the electric power industry is responsible for millions of additional jobs. Reliable, affordable, and sustainable electricity powers the economy and enhances the lives of all Americans. EEI has 70 international electric companies as Affiliate Members, and 270 industry suppliers and related organizations as Associate Members. Organized in 1933, EEI provides public policy leadership, strategic business intelligence, and essential conferences and forums.

Contact Person: ERIC HOLDSWORTH, Senior Director, Climate Programs  
eholdsworth@eei.org | [www.eei.org](http://www.eei.org)

## ENEL



Enel is committed to the renewable energy sector and researching and developing new environmentally friendly technologies. With more than 61 million end users around the world, we have the biggest customer base among our European competitors, and we are one of Europe's leading energy companies by installed capacity and reported EBITDA. The Enel Group is made up of 67,000 people from around the world whose brilliant work is based on our values of Responsibility, Innovation, Trust and Proactivity. Together we are working on the same goal of "Open Power" in order to tackle some of the world's greatest challenges.

Contact Person: GIUSEPPE MONTESANO, Head of European Energy Policies and Analysis  
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### ENEL FOUNDATION

Enel Foundation is a non-profit organization exploring and analyzing current trends in the energy sector to provide a scientific, rigorous and common interpretation of these dynamics. Activities are performed in partnership with pre-eminent researchers and experts from across the globe, and leverage on the know-how of Enel Group. Research and multi-flag capacity building activities aim at enhancing cooperation and convergence with other stakeholders.

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### EOS CLIMATE INC.

Based in the global innovation hub of San Francisco, EOS Climate is an award-winning pioneer in designing, building and operationalizing market-based approaches to address environmental challenges on a global scale. Combining systems thinking with unique, cross-sectoral expertise in markets, standards, policy, quantitative analysis, industrial operations, supply chain, information technology and finance, EOS works with organizations to create value by transforming risk into opportunity. Our diverse array of clients includes multinationals in the oil & gas, industrial, agricultural, and waste sectors while our innovations are originating standards, shaping policy, harnessing markets, fueling the circular economy and building a bridge to a sustainable future.

Contact Person: SARAH MCGEE, Director Internal Operations  
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### EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT (EBRD)

The EBRD is investing in changing people's lives from central Europe to central Asia, the Western Balkans and the southern and eastern Mediterranean. Working together with the private sector, the Bank invests in projects, engages in policy dialogue and provides technical advice that fosters innovation and builds sustainable and open-market economies. The EBRD is owned by 65 countries from five continents, as well as two intergovernmental institutions (the European Union and the European Investment Bank). It maintains a close political dialogue with governments, authorities and representatives of civil society to promote its goals. It also works in cooperation with international organisations such as the OECD, the IMF, the World Bank and UN specialised agencies.

Contact Person: JAN-WILLEM VAN DE VEN, Head of Carbon Market Development  
[vandevJ@ebrd.com](mailto:vandevJ@ebrd.com) | [www.ebrd.com](http://www.ebrd.com)



### EUROPEAN CLIMATE FOUNDATION

The European Climate Foundation (ECF) – a ‘foundation of foundations’ – was established in early 2008 as a major philanthropic initiative to help Europe foster the development of a low-carbon society and play an even stronger international leadership role to mitigate climate change. The ECF seeks to address the “how” of the low-carbon transition in a non-ideological manner. In collaboration with our partners, we contribute to the debate by highlighting key path dependencies and the implications of different options in this transition. Will, objectives and capacities differ – this is as true in the international climate process as much as in the European and national debates.

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## THE GLOBAL CARBON CAPTURE AND STORAGE INSTITUTE (GCCSI)

The Global CCS Institute is an international membership organisation. Our mission is to accelerate the development, demonstration and deployment of carbon capture and storage (CCS), a vital technology to tackle climate change and provide energy security. Working with and on behalf of our Members, we drive the adoption of CCS as quickly and cost effectively as possible by sharing expertise, building capacity and providing advice and support so that this vital technology can play its part in reducing greenhouse gas emissions. Our diverse international membership consists of governments, global corporations, small companies, research bodies and non-government organisations, committed to CCS as an integral part of a low-carbon future.

Contact Person: MARK BONNER, Principal Manager, International Climate Change  
mark.bonner@globalccsinstitute.com | www.globalccsinstitute.com

## GREENSTREAM NETWORK LTD



GreenStream Network Ltd is an investor, investment management and advisory company in the fields of renewable energy, energy efficiency and climate finance, with active operations in Europe, China and sub-Saharan Africa. It provides multi-disciplinary services to public and private organisations worldwide on clean energy technology, climate finance, environmental trading schemes, energy commodity markets and related policy and legislation. GreenStream offers customised clean energy and carbon investment vehicles and strategies, market and policies analysis, and expertise for energy and climate project assessment, development and management. In addition to being the co-Manager of the Renewable Energy Performance Platform [www.repp-africa.org](http://www.repp-africa.org), GreenStream manages two carbon funds and designs, finances and implements energy service company (ESCO) business models in China.

Contact Person: KARL UPSTON-HOOPER, General Counsel  
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## HARVARD PROJECT ON CLIMATE AGREEMENTS

### Harvard Project on Climate Agreements

The Harvard Project on Climate Agreements was established in 2007 to help identify and advance scientifically sound, economically sensible, and politically pragmatic public policy options for addressing global climate change. Drawing upon leading thinkers in countries around the world (including Argentina, Australia, China, Europe, India, Japan, and the United States), the Project conducts research on policy architecture, key design elements, and institutional dimensions of international and domestic climate-change policy. The Harvard Project is based in the Harvard Kennedy School.

Contact Person: ROBERT STOWE, Co-Director  
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## IFC - INTERNATIONAL FINANCE CORPORATION



IFC, a member of the World Bank Group, is the largest global development institution focused on the private sector in emerging markets. Working with 2,000 businesses worldwide, we use our six decades of experience to create opportunity where it's needed most. In FY16, our long-term investments in developing countries rose to nearly \$19 billion, leveraging our capital, expertise and influence to help the private sector end extreme poverty and boost shared prosperity. For more information, visit [www.ifc.org](http://www.ifc.org).

Contact Person: SONA PANAJYAN, Senior Communications Officer  
spanajyan@ifc.org | www.ifc.org



### INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE (ITRI)

ITRI is one of the world's leading technology R&D institutions aiming to innovate a better future for society. Based on its long-term partnership with various industry sectors, ITRI offers a wide range of services, from technical to business consultation, to the international community; and the open lab and incubation for new ventures and emerging industries. The Institute has also incubated more than 240 innovative companies since 1973, including well-known names such as UMC and TSMC. Headquartered in Taiwan, ITRI has five branch offices in Silicon Valley, Tokyo, Berlin, Moscow, and Eindhoven to extend its R&D innovation across the globe.

Contact Person: ROBERT SHIH, Advisor  
 robert@yourcarbon.com.tw | www.itri.org.tw



### INTERNATIONAL CARBON REDUCTION AND OFFSET ALLIANCE (ICROA)

The International Carbon Reduction and Offset Alliance (ICROA) is a non-profit professional industry body hosting a membership of businesses that deliver carbon reduction and offset services. ICROA members operate globally and are managed by an independent secretariat housed within IETA. The primary aim of ICROA is to promote best practices in carbon management and offsetting to support voluntary climate mitigation efforts. ICROA provides consumer protection for parties wishing to voluntarily manage and offset their carbon emissions by ensuring its member companies follow and publically report against the ICROA Code of Best Practice, which provides specific requirements for the manner in which ICROA members provide their carbon foot printing, greenhouse gas reduction advice and offset services. ICROA members are 3rd party audited to assure the quality of their services.

Contact Person: SIMON HENRY, Programme Director,  
 henry@ieta.org | www.icroa.org



### INTERNATIONAL CENTRE FOR TRADE AND SUSTAINABLE DEVELOPMENT (ICTSD)

Founded in 1996, the International Centre for Trade and Sustainable Development (ICTSD) is an independent non-profit organisation based in Geneva, Switzerland. The goal of the organisation is to advance sustainable development through trade-related policymaking. Trade-related policy frameworks can serve as powerful drivers of sustainable development in global policymaking and global inclusion if those engaged in negotiations incorporate emerging knowledge on economic, environmental, and social issues. In doing so, they are empowered to better understand their own interests, build bridges to others, and advance mutually acceptable solutions. ICTSD's vision is a sustainable world, supported by national, regional, and international trade policy and frameworks that support inter-generational equity.

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### INTERNATIONAL ENERGY AGENCY (IEA)

The International Energy Agency (IEA) is an autonomous organisation which works to ensure reliable, affordable and clean energy for its 29 member countries and beyond. It is at the heart of global dialogue on energy, providing authoritative statistics, analysis and recommendations. The IEA's four main areas of focus are energy security, economic development, environmental awareness, and engagement worldwide.

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## INTERNATIONAL INSTITUTE FOR SUSTAINABLE DEVELOPMENT (IISD)

IISD is an independent, non-profit organisation that provides practical solutions to the challenge of integrating environmental and social priorities with economic development. The International Institute for Sustainable Development's mission is to promote human development and environmental sustainability through innovative research, communication and partnerships. We report on international negotiations, conduct rigorous research, and engage citizens, businesses and policy-makers on the shared goal of developing sustainably.

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## INTERNATIONAL PETROLEUM INDUSTRY ENVIRONMENTAL CONSERVATION ASSOCIATION (IPIECA)

IPIECA is the global oil and gas industry association for environmental and social issues. It develops, shares and promotes good practices and knowledge to help the industry improve its environmental and social performance, and is the industry's principal channel of communication with the United Nations.

Through its member-led working groups and executive leadership, IPIECA brings together the collective expertise of oil and gas companies and associations. Its unique position within the industry enables its members to respond effectively to key environmental and social issues.

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Développement durable,  
Environnement et Lutte  
contre les changements  
climatiques



## MINISTÈRE DU DÉVELOPPEMENT DURABLE, DE L'ENVIRONNEMENT ET DE LA LUTTE CONTRE LES CHANGEMENTS CLIMATIQUES (MDELCC) QUÉBEC

Mission: Contribuer au développement durable du Québec par la protection de l'environnement, la préservation de la biodiversité et la Lutte contre les changements climatiques.

Vision: Dans la continuité de ses responsabilités de première importance auprès des citoyens et de ses partenaires, le Ministère s'engage à : Miser sur la protection de l'environnement et du patrimoine naturel pour contribuer à un développement durable avec la collaboration de ses partenaires.

Valeurs: Pour réaliser sa mission, le Ministère appuie son action sur la créativité de ses employés et sur des valeurs d'équité, de rigueur, de responsabilité, de transparence et de respect.

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## MITSUBISHI UFJ RESEARCH AND CONSULTING (MURC)

Mitsubishi UFJ Research and Consulting (MURC) is the think tank arm of Mitsubishi UFJ Financial Group and has bases in Tokyo, Nagoya, and Osaka. Japan's three biggest cities. MURC has been playing a role of the secretariat for the Joint Committee of the Joint Crediting Mechanism (JCM) since its launch of the mechanism.

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**ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)**

The mission of the OECD is to promote policies that will improve the economic and social well-being of people around the world. The OECD provides a forum in which governments can work together to share experiences and seek solutions to common problems. We work with governments to understand what drives economic, social and environmental change. We measure productivity and global flows of trade and investment. We analyse and compare data to predict future trends. We set international standards on a wide range of things, from agriculture and tax to the safety of chemicals. We also look at issues that directly affect everyone’s daily life, like how much people pay in taxes and social security, and how much leisure time they can take. We compare how different countries’ school systems are rearing their young people for modern life, and how different countries’ pension systems will look after their citizens in old age.

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**RENEWABLE ENERGY PERFORMANCE PLATFORM (REPP)**

The Renewable Energy Performance Platform (“REPP”) was developed by the European Investment Bank (EIB) and the United Nations Environment Programme (UNEP) to deliver the UN Sustainable Energy for All (SE4All) objectives in Sub-Saharan Africa, based on the core principles of supporting sound projects, overcoming barriers and market failures relating to perceived and actual risks in new markets for renewable energy, ensuring value for money for donors, using donor funds to leverage private sector investment, driving down project development costs by standardising and aligning due diligence procedures among REPP partners; and using existing instruments and lending platforms wherever possible. The REPP is funded by the Department of Business Energy and Industrial Strategy of the United Kingdom.

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**SOUTH POLE GROUP**

Zurich-based South Pole Group began as a project-driven company focused on developing and selling high-quality carbon credits. Today, it’s the world’s leading provider of climate solutions. No other firm in the world has developed as many successful emission reduction projects. No other company offers as rich a suite of services and solutions. SPG helps public and private sector organisations develop climate proven policies and strategies. Areas of expertise cover every key sustainability-related area of climate change, including but not limited to: forests & land use, water, sustainable cities & buildings, as well as renewable energy and energy efficiency.

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## UNEP DTU

UNEP DTU Partnership (formerly UNEP Risø Centre (URC)) is a leading international research and advisory institution on energy, climate and sustainable development. As a UN Environment (UNEP) Collaborating Centre, UNEP DTU Partnership is an active participant in both the planning and implementation of UNEP's Climate Change Strategy and Energy Programme. Through in-depth research, policy analysis, and capacity building activities, the Partnership assists developing countries in a transition towards more low carbon development paths, and supports integration of climate-resilience in national development.

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## WORLD BANK GROUP



The World Bank Group, established in 1944, is a source of financial and technical assistance to developing countries around the world, to reduce poverty and support development in an environmentally sustainable manner. It has set two goals for the world to achieve by 2030:

- End extreme poverty by decreasing the percentage of people living on less than \$1.25 a day to no more than 3%
- Promote shared prosperity by fostering the income growth of the bottom 40% for every country

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