COP 25 | CMP 15 | CMA 2
2 - 13 December 2019
IFEMA - Feria de Madrid | Madrid, Spain
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WE WOULD LIKE TO THANK OUR WI-FI SPONSOR:

![tradewater](image-url)
DELIBERING CLIMATE AMBITION

MEMBER ORGANISATION

IETA’s broad representation ensures that sectoral and regional points of view are shared and taken into account.

IETA members come from all corners of the world, representing every existing carbon market as well as those under development. They include industrial operators, verification bodies, project developers, investors, carbon standards, retailers/brokers and sustainability and climate change consultants. Our work is undertaken through a framework of permanent and ad hoc Working Groups.

STRATEGIC INITIATIVES

IETA is a recognised observer under the UNFCCC and provides accreditation services for its members at all negotiating sessions and technical meetings. We maintain strong partnerships with World Bank, OECD-IEA, IATA & other multilateral organisations.

Our affiliate, the International Carbon Reduction and Offset Alliance (ICROA), promotes a code of best practice for voluntary offset providers to assure quality service in carbon management and offsetting.

The Business Partnership for Market Readiness (B-PMR) holds business-to-business dialogues in new carbon markets to share best practices. The B-PMR aims to turn policy vision into corporate action and commercial success.

OUR WORK

INSIGHTS & INFORMATION

We closely monitor market developments. We share key analysis, policy and market design information with our members as it happens. IETA members learn about new opportunities, and understand the impact on their business.

REPUTATION AND ACCESS

IETA is respected as a credible, constructive and knowledgeable advocate. We participate in dialogues, hearings and stakeholder consultations where our input is valued.

NETWORKING

IETA connects our members to key decision-makers in government and international organisations. They benefit from direct engagement with the policy makers who drive carbon markets worldwide.

SHAPING POLICY

IETA’s Working Groups tackle issues as they arise, producing position papers that reflect our members’ collective views. The result is powerful and persuasive recommendations that are respected and listened to.

GLOBAL REACH

Each year we offer a wide range of global events, regional carbon forums in Asia, Africa, Europe, Latin America and North America plus a series of expert roundtable discussions. You can use these to gain insights, show leadership and meet business partners. Members enjoy preferential rates!

CONTACT

Contact us at info@ieta.org
Follow us @ieta

GENEVA  BRUSSELS  LONDON  TORONTO  WASHINGTON  BEIJING
Welcome to the IETA BusinessHub at COP25!

Working with partners from many organisations, we are proud to host a space for serious dialogue about how to achieve the goals of the Paris Agreement. It is our firm belief that the climate challenge can only be met if we work together. We live in an age of “us and them”. But climate change implores us to think differently – to think about “us together” on a common journey, rising to the challenge of our lives. This is the spirit we want to celebrate in the BusinessHub.

In the Paris Climate Agreement, there is explicit call for “voluntary cooperation”. It is the heart of Article 6, which references working together to enhance ambition. As a friendly negotiator once put it, if we’re only going to talk about what we’re doing alone, why do we need to come to COP? The whole point is to talk about what we can do together.

Last year in Katowice, Article 6 became the only chapter of the Paris Rulebook left incomplete. Negotiators reached an impasse and ran out of time. That means that this year in Madrid, it will be the centre of attention – at least, for the business community. That is because it is the single most valuable part of the Paris Agreement for enabling business to contribute to the climate effort at the scale required.

The past year provided an opportunity for negotiators and constituencies to think more deeply about the Article 6 guidance. New ideas have emerged, and we hope the result will be better than we could have hoped for a year ago - because the issues are crystalised, and the solutions are more well developed.

Of course, the real world will never be this perfect. But the studies illustrate why Article 6 is so important. The rules agreed in Madrid will tell the story of whether these efficiencies can be leveraged - or whether Article 6 guidelines will be laden with restrictions, inefficiencies or loopholes that will slow progress.

The future of Article 6 is a key topic at the Business Hub - but there is a much wider range of rich topics to explore with our partners. We’ll talk about: implementation, market linkages, technology strategies, nature’s climate solutions, finance, research, capacity building, sustainable development goals. We thank all of our partners for their generous support and dedication.

Please honour us with your presence. Offer your insights, renew friendships and make new connections – all at the IETA BusinessHub!

All the best,

Dirk Forrister
President & CEO, IETA
IETA’S PRIORITIES FOR COP25

Operationalising Article 6 of the Paris Agreement

IETA believes that Article 6 of the Paris Agreement is essential to delivering its ambitious long-term climate goals. Through cooperation, Parties can reach for greater ambition over time by taking advantage of the efficiency and cost savings of market-based approaches.

Recently published research, found that cooperation through Article 6 has the potential to reduce the total cost of implementing NDCs significantly, in the order of $320 billion/year in 2030, or alternatively facilitate removal of more emissions, in the order of 9 GtCO2/year in 2030, at no additional cost if those cost savings are reinvested into additional mitigation.

Article 6 holds this potential, but implementing details are needed to translate it into real action on the ground. At COP 25, the business community was eagerly waiting for more clarity on Article 6 rules and implementation guidance to emerge as part of the Paris Agreement Rulebook. The lack of an agreement in Katowice was a disappointment. Certainty on the rules, which is still absent, is crucial for enabling countries to assess how to make use of the Article 6 provisions and providing clarity on their interest in engaging in cooperative approaches and in mitigation activities through the new mechanism. Clear rules for Article 6 will also allow the private sector to develop ways to engage with Parties and assist them in achieving their NDCs. Article 6 guidance must therefore be adopted at COP25, in order to avoid delaying this process any further.

IETA continues to offer business perspectives on how the Article 6 Rulebook can be optimally designed, drawing from our members’ experiences in carbon pricing systems around the world. Following the adoption of the Paris Agreement, we developed a series of documents that set out our vision for Article 6 of the Agreement:

- A Vision for the Market Provisions of the Paris Agreement, released in 2016, sets out our high-level vision for Article 6;
- The IETA Straw Proposal for Article 6 Implementation Guidance, released and updated over the course of 2017, offers our take on how the principles outlined by our vision piece can be translated into a negotiating text format, de facto representing our proposal for how the market provisions of Article 6 should be operationalised;
- IETA views and priorities for Article 6, released and updated over the last two years, goes another step further and aligns our vision for Article 6 with the options articulated in the draft negotiating text on the table.

Our vision begins with the importance of the long-term durability of the Paris Agreement, where its implementation must incentivise the maximum level of emissions reductions – powered by the use of harmonised carbon pricing systems. The international community can achieve this objective faster, cheaper and more effectively through cooperative action, guided by the Article 6.

IETA’s priorities for COP25 are based on the principle that the sooner clarity on key elements of Article 6 emerges, the sooner Parties can begin making relevant decisions and investments in emissions reductions to meet their NDCs.

1. Operationalise the Paris Agreement Rulebook

- COP25 should advance the operationalisation process of the Paris Agreement Rulebook started at SB50 in June.
- The Paris Agreement Rulebook provides clarity on the rules for the implementation of the Paris Agreement – but finalising the necessary implementing details, currently under development in SBSTA, is crucial.
- Some elements are particularly important for the private sector, especially the implementing details for:
  - Article 4 on guidance for NDC design and progression, including accounting rules to avoid double counting;
  - Article 9 on modalities for the accounting of financial resources;
  - Article 13 on transparency framework, including reporting guidelines, tracking progress and expert reviews;
  - Advancing the operationalisation of Para 77(d) of the transparency framework is essential
    - Article 14 on the modalities for the global stocktake
- Having clarity on the implementing details for the aforementioned areas will be crucial for the engagement of the private sector in the implementation of the Paris Agreement.

2. Breathing life into Article 6 of the Paris Agreement

- At COP25, it is essential that UNFCCC negotiators finalise and adopt rules for Article 6, after the delay at COP24. This will be crucial to bring to life the Article 6 market provisions and to clearly define the implementation rules for the Paris Agreement. Both business and Parties are eagerly waiting for this process to be completed, to advance the implementation work on the ground.
- The draft negotiating text separates the main issues into elements that form the policy guidance to be adopted at COP25, and technical elements that will be defined by a work programme that will begin after COP25.
• While all elements under discussion will be crucial in giving clarity on the implementation of Article 6, we understand that not all elements can be finalised and adopted in their entirety.
• Our detailed priorities for cooperative approaches involving the use of ITMOs, for the emission mitigation mechanism and for non-market approaches are further elaborated below.
• For our detailed views on these matters, please refer to IETA views and priorities for Article 6.

3. Agree on guidance for Article 6.2, which can encourage Parties to raise the ambition of their NDCs and meet them at a lower cost

• At COP25, Parties should develop guidance for the accounting of cooperative approaches under Article 6.2. This will enable Parties to evaluate how best to use Article 6 to implement programmes to meet the emissions reduction goals in their NDCs.
• The Rulebook should give clarity on the metric, form and scope of ITMOs, as these elements are essential to define how ITMOs will be operationalised and to allow enough lead time for preparation ahead of 2020.
• The Rulebook should clearly define the relation between ITMOs and the originating Party’s NDC, with particular attention to the basis for quantification of ITMOs and to the treatment of sectors outside the NDC coverage. This is of particular relevance in the interim period while all Parties move to economy-wide, fully quantified NDCs.
• The Rulebook should define the accounting basis and reporting rules for ITMOs, to give Parties and private sector players clarity on how ITMOs will be accounted for and on what practices will be in place to ensure environmental integrity and avoidance of double counting.
• By agreeing on Article 6 accounting guidance swiftly, Parties can move towards implementing their NDCs collectively with other countries. Cooperative approaches, such as linking carbon pricing systems, can help drive costs down and create the economic conditions for greater emissions cuts in the future. If NDCs are achieved in isolation, they can end up costing more to society – which can discourage ambition. Taking steps to form rules guiding Article 6 swiftly can help Parties go beyond the minimums proposed in their INDCs in the months leading up to COP21 in Paris.

4. Agree on the rules 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 greenhouse gas emissions and support sustainable development. In our straw proposal, we argue that the mechanism, in conjunction with the accounting of ITMOs, should be designed to promote carbon pricing.
• The Rulebook should clearly define the scope of the mechanism and the scope of activities under the mechanism, including the relation between ITMOs and the originating Party’s NDC. These elements are essential to define how the Article 6.4 mechanism will be operationalised and to allow enough lead time for preparation ahead of 2020. This is also of particular relevance in the interim period while all Parties move to economy-wide, fully quantified NDCs.
• The Rulebook should outline rules for the establishment of the Article 6.4 Supervisory Body and eligibility requirements for members of such body, focusing on technical competence, professional experience and independence. These rules are extremely important as the Supervisory Body will be responsible for the development of technical aspects related to the functioning of the Article 6.4 mechanism.
• Parties should create a broad framework for the mechanism, whereby many types of mitigation approaches can be executed. It should aim to support projects and initiatives that can deliver reductions at a large scale.

5. Give clarity on the transition of the CDM and JI to sustain investment and foster emission reductions

• The Paris Rulebook should give clarity on the transition of existing mechanism, as this will be crucial to provide continuity for existing projects and immediate critical mass for the Article 6.4 mechanism. Having clarity on a pathway to transition existing CDM projects, whereby projects meeting relevant requirements for the Article 6.4 mechanism are transitioned under the Article 6 framework, is essential for the private sector.
• Despite current market challenges, the CDM remains an attractive option for carbon compliance in advance of the Paris Agreement’s first contribution period. Some sovereign purchasing initiatives continue to invest in CDM projects, and private entities use CDM credits for both compliance and voluntary offsetting. The CDM as well as other internationally recognised carbon offsetting standards may also prove valuable for international airlines, subject to the decisions of the International Civil Aviation Organization 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 Executive Board’s decisions and in the reliability of host and recipient approvals. Therefore, we urge negotiators to agree on a pathway for the way forward for CDM projects, in order to guarantee certainty to both investors and host countries.
6. Ensure that accounting and environmental integrity guidance for Articles 6.2 and 6.4 also apply to the work programme on non-market approaches under Article 6.8

- Non-market based approaches put forward under a Party’s NDC should meet the same standards for environmental integrity as those of market-based approaches. As such, non-market-based approaches should consider use of mitigation infrastructure provided by the UNFCCC or other intergovernmental organisations including:
  - Monitoring and verification protocols for key sectors;
  - Standardised emission performance benchmarks for key sectors;
  - A registry and issuance system to establish ownership of emission reduction units;
  - A standardised 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 should be reported and tracked under the same standard as those of market-based approaches under Article 6. As such, non-market-based approaches should be considered in conjunction with Article 6 standards for reporting, tracking, and certification of emission reductions.

7. Enhance the engagement of business in the negotiations

- The business community is key to the UNFCCC process as it will play a central role in tackling climate change. The business community recognises that it must be part of the solution to climate change and it will apply its technology, finance and know-how to the global effort, if the proper incentive structures are established.

- The UNFCCC’s engagement with business needs to mature in new ways. This is particularly true in areas where business can add strength to the process.

- Ideally, the UNFCCC should ensure that interested stakeholders enjoy access to all meetings during a COP/SB. We appreciate that when the final stages of negotiations are entered, some closed meetings will be necessary. Nevertheless, there is no reason to restrict access to the earlier stages of discussion, which are normally aimed at sharing information, illuminating positions and seeking common ground.

- Restrictions or prohibitions on business access would miss a huge opportunity to attract its support. In particular, it would risk the loss of market confidence, private finance and technology at a time when it is needed most.

Be sure to visit IETA’s COP25 BusinessHub (Hall 8).
A full list of events taking place at the IETA BusinessHub can be found on IETA’s website.

Should you have any follow up questions on these priorities, please contact Stefano De Clara, IETA: declara@ieta.org
SIDE EVENTS PROGRAM*

EVENT LOCATION LEGEND:
- IETA BusinessHub - Side Event Room (Hall 8)
- IETA BusinessHub - Boardroom (Hall 8)
- IETA BusinessHub - Lounge (Hall 8)
- Other Locations

MONDAY, 2 DECEMBER 2019

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<tr>
<td>18:00 - 19:30</td>
<td>SIDE EVENT 1 - ARTICLE 6 NEGOTIATIONS: STATE OF PLAY DAY 1 OF COP 25</td>
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**Description:**
This side event will discuss the “state of play” for the Article 6 negotiations, on Day 1 of COP 25. Article 6 is the only part of the Paris rulebook not agreed. A number of key issues remain. Not all Parties necessarily agree with the views on these issues, their nature and interpretation. Hear from negotiators providing their point of view on the state of the negotiations. Attendees will be briefed and will enter in discussion with some of the most knowledgeable negotiators on Article 6.

**Moderator:** ANDREI MARCU, Managing Director, ERCST

**Speakers:**
- MARTIN HESSION, International Carbon Markets, European Commission
- TODD CROAD, Senior Policy Analyst, Ministry for the Environment, New Zealand
- MANDY RAMBHAS, Head of Climate Change and Sustainable Development, Eskom South Africa
- GRÉGOIRE BARIÈRE, Senior Economic Advisor, Government of Canada
- SUPANUT CHOTEVAYATARAKORN, Official, Thailand Greenhouse Gas Management Organization (TGO)
- MJ MACE, Lawyer, Belize

TUESDAY, 3 DECEMBER 2019

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<td>10:30 - 12:00</td>
<td>SIDE EVENT 2 - HOW TO BE MORE INCLUSIVE IN ORDER THE HELP WITH THE ACHIEVEMENTS OF THE PARIS AGREEMENT AMBITIONS</td>
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**Description:**
This session will discuss how best to bring the water industry, oil and gas industry, IRECs, and SDG together, driving emerging commodities, like W+(wplus.org).

**Panelists:**
- DAVID UNGAR, Executive Director, Greenhouse Gas Mitigation & Sustainability, ACWA Power
- ROBERT ZELLER, Vice President Technology - Oxy Low Carbon Ventures, Occidental Petroleum Corporation
- DIRK FORRISTER, President & CEO, IETA

* Subject to modifications
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| 12:00 - 13:30 | **SIDE EVENT 3 - THE JOINT CREDITING MECHANISM: LATEST UPDATES AND BUSINESS ENGAGEMENT**<br>**Description:** This session covers concrete examples and lessons learned from schemes and activities under Article 6 of the Paris Agreement. The presentations will analyse the latest developments in the Japan’s Joint Crediting Mechanism (JCM) and other international carbon offset schemes. The JCM will be featured as an example of Article 6 operationalisation, and an update on the mechanism and information on financial support for private sector will be shared. The session will also look at other initiative aimed at operationalising Article 6, including KliK Foundation’s programme. The roundtable will discuss challenges and opportunities for private sector engagement.  
**Welcome and Introduction**  
**Moderator:** STEFANO DE CLARA, Director, International Policy, IETA  
**Presenter:** TATSUSHI HEMMI, Chief Analyst Environment and Energy, Mitsubishi UFJ Research and Consulting  
**Presenter:** MAIKO UGA, SECTION CHIEF, Office of Market Mechanisms, Ministry of the Environment, Japan (MOEJ)  
**Panel Discussion**<br>**Speakers:** JEFF SWARTZ, Director Climate Policy and Carbon Markets, South Pole  
**Speakers:** MISCHA CLASSEN, Director Carbon Procurement, KliK Foundation  
**Speakers:** VK DUGGAL, Principal Climate Change Specialist (Future Carbon Fund), ADB  
**Speakers:** AXEL MICHAELOWA, Managing Director, Perspectives |
| 13:30 - 14:30 | **SIDE EVENT 4 - NETWORKING LUNCH**  
Hosted by the Ministry of the Environment of Japan |
| 14:00 - 18:00 | **SIDE EVENT 5 - BUSINESS DIALOGUE ON CARBON MARKETS AND ARTICLE 6**  
**Opening**<br>The opening session will welcome participants, introduce the agenda of the day and outline the objectives of the business dialogue. This will be followed by a tour de table to allow participants to introduce themselves.  
**Opening by:** DIRK FORRISTER, President & CEO, IETA  
**Setting the Scene: Carbon Markets and Carbon Pricing**<br>This scene setting discussion will look at the outlook for carbon markets and carbon pricing worldwide, covering domestic and regional systems as well as international initiatives. A panel of experts will examine the main benefits of carbon markets and carbon pricing and will discuss the private sector views on carbon markets. This session will also look at how carbon markets can contribute to NDC achievement to the development of long-term strategies. The panel discussion will be followed by a Q&A and open floor discussion with the audience.  
**Moderator:** DIRK FORRISTER, President & CEO, IETA |
SIDE EVENTS PROGRAM

**SIDE EVENT 6 - RESPONSE MEASURES: PRESENTATION ON CASE STUDY ON CHILE**

**OPEN for Business**

**15:30 - 16:30** Deep Dive: Carbon Markets in Latin America

This session will review the outlook for carbon markets in Latin America, taking a closer look at key countries involved in the development of domestic and regional systems. A panel of experts will review the state of play, analyze the key upcoming challenges and opportunities and will discuss the role of the private sector. The panel discussion will be followed by a Q&A and open floor discussion with the audience.

**Moderator:** STEFANO DE CLARA, Director, International Policy, IETA

**Speakers:**
- JEFF TURNER, Vice President Sustainability, Royal DSM
- TBA, International Carbon Action Partnership (ICAP)
- HUGO BARRETO, Vice President Sustainability and Social Investment Director, Vale
- ANDREI MARCU, Managing Director, ERCST
- WIJNAND STOEFS, Programme Manager and Researcher, ERCST
- AARON COSBHEY, Development Economist, ERCST
- RAUL O’RYAN GALLARDO, Universidad Adolfo Ibáñez, Chile
- MATIAS PINTO, Climate Change Negotiations Advisor, COP25 Presidency
- JUAN-PEDRO SEARLE, Chief of Climate Change Unit, Ministry of Energy of Chile, & Art. 6 Advisor COP25
- PETER GODIVINDASAMY, Deputy Director, Ministry of Trade and Industry, Singapore

**16:45 - 17:45** State of Play in the Article 6 Discussion and Expectations for COP25

This session will look at what Article 6 is and at its relevance to the Paris Agreement and to carbon markets. A panel of experts will review the state of play in the negotiations on Article 6, will explain the critical questions of interest to business and policy makers and will examine the key opportunities for the business community. The panel discussion will be followed by a Q&A and open floor discussion with the audience.

**Moderator:** STEFANO DE CLARA, Director, International Policy, IETA

**Speakers:**
- CHANDRA SINHA, Lead Climate Change Specialist, World Bank Group
- AMY STEEN, Legal Officer, UNFCCC
- KAREN TANAKA, Technical Manager, CEBDS
- AXEL MICHAELOWA, Managing Director, Perspectives
- STEFANO DE CLARA, Director, International Policy, IETA
- JAIME RODRÍGUEZ SEGOVIA, Director Chemicals Division, Quimobasicos
- MARIANO MORAZZO, Head of Climate Change and Renewable Energy Policies, ENEL
- TBA, LatAm Government Representatives from Chile, Colombia, Peru, Mexico
- TBA, Chilean Government

**17:45 - 18:00** Closing and Next Steps

**Moderator:** STEFANO DE CLARA, Director, International Policy, IETA

**Speakers:**
- STEFANO DE CLARA, Director, International Policy, IETA
- CHANDRA SINHA, Lead Climate Change Specialist, World Bank Group
- AMY STEEN, Legal Officer, UNFCCC
- KAREN TANAKA, Technical Manager, CEBDS
- AXEL MICHAELOWA, Managing Director, Perspectives
- PETER GODIVINDASAMY, Deputy Director, Ministry of Trade and Industry, Singapore
This session will focus on how technology systems have held back carbon trading in the past and how new rules and technology can facilitate new opportunities for Project Originators, Governments and other Private Sector parties interested in carbon trading under Article 6.

Moderator: STEFANO DE CLARA, Director, International Policy, IETA

Speakers: WAYNE SHARPE, CEO, Global Environmental Markets (GEM)
JOSH BROWN, Sales Director, Global Environmental Markets (GEM)

There is now a wide range of regulations that govern CO2 storage projects across the globe. The CO2 Capture Project, with the help of ERM, published a report surveying CO2 storage regulations. The report focuses on rules and regulations for CO2 storage projects with an emphasis on key learnings, potential gaps and main findings to support the viability of CO2 storage projects both onshore and offshore in a practical and commercial context. Hear from CCS experts comment on the survey of these CO2 storage regulations and discuss their perspectives on how widespread CCS deployment could contribute to the long term goals of the Paris Agreement.

Moderator: ARTHUR LEE, Policy Team Leader, CO2 Capture Project, & Senior Technical Advisor, Chevron

Speakers: LEE SOLSBERY, Technical Director, ERM
VINICIUS LIMA, Senior Environmental Analyst, Petrobras
ROBERT ZELLER, Vice President Technology - Oxy Low Carbon Ventures, Occidental Petroleum Corporation
EVE TAMME, Senior Adviser, International Climate Change Policy, Global CCS Institute
KATHERINE ROMANAK, Bureau of Economic Geology, University of Texas Austin
TIM DIXON, GHG, IEA

Carbon pricing policies significantly reduce mitigation cost and unlock economic opportunities of the low-carbon transition. Currently, more than 50 initiatives now operate worldwide. This event will present the latest developments on carbon pricing worldwide. Policymakers from existing and emerging systems will present case studies on and lessons from the development and implementation of ETS and discuss their potential to scale up the ambition of NDCs moving forward.

Moderator: CONSTANZEA HAUG, Head of ICAP Secretariat, ICAP

Speakers: DIRK FORRISTER, President & CEO, ICAP
VENKATA RAMANA PUTTI, Program Manager, World Bank
RAJINDER SAHOTA, Assistant Division Chief, Californian Air Resources Board
QIAN GUOQIANG, Deputy Manager, SinoCarbon
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<th>Event Title</th>
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<td>13:00 - 14:30</td>
<td>IETA BusinessHub Side Event Room</td>
<td>SIDE EVENT 10 - ARTICLE 6 FROM AN AFRICAN PERSPECTIVE</td>
<td>The Panel discussion will highlight African positions and priorities regarding the Article 6 negotiations, first pilot experiences and in-country readiness considerations for the implementation of Carbon Markets under the Paris Framework.</td>
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<td>Moderator: TOBIAS HUNZAI, Senior Consultant, Climate Focus</td>
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<td>Speakers: EL HADJI MBAYE DIAGNE, Lead Negotiator for Carbon Markets, AGN</td>
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<td>OUSMANE FALL SARR, Lead Coordinator, West African Alliance for Carbon Markets and Climate Finance</td>
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<td>BIANCA GICHANGI, Lead Coordinator, East African Alliance for Carbon Markets and Climate Finance</td>
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<td>ASMAU JIBRIL, Head of Mitigation, Ministry of Environment, Nigeria</td>
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<td>SILKE KARCHER, Head of Division EU Climate and Energy Policy, German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU)</td>
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<td>14:30 - 16:00</td>
<td>IETA BusinessHub Side Event Room</td>
<td>SIDE EVENT 11 - KEY REFLECTIONS ON THE EU ETS IN PHASE 3 AND OUTLOOKS FOR PHASE 4</td>
<td>The session offers an overview of what happened to ETS installations and the carbon price in Europe between 2013 and 2019. The goal is to prepare the audience for the challenges of the next trading period by presenting regulatory changes and possible price scenarios.</td>
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<td>Panelists: KATERINA KOLACIOVA, Sales Manager CEE, Vertis Environmental Finance</td>
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<td>SAM VAN DEN PLAS, Policy Director, Carbon Market Watch</td>
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<td>16:00 - 17:30</td>
<td>IETA BusinessHub Side Event Room</td>
<td>SIDE EVENT 12 - SCALING PRIVATE SECTOR INVESTMENT IN NATURAL CLIMATE SOLUTIONS</td>
<td>There have been many recent announcements by the private sector to invest in Natural Climate Solutions (NCS). This session will explore the capacity of NCS to contribute towards the low carbon transition, the role the private sector can have and ways to deliver a step change in investment levels.</td>
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<td>Moderator: SIMON HENRY, Director, Carbon Market Development, IETA</td>
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<td>Speakers: ERICA META SMITH, Director, Terra Global Capital</td>
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<td>ANTONIO BALDASSARRE, Senior Vice President Forestry Initiatives, Eni SpA</td>
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<td>DAVID ANTONIOLI, CEO, Verra</td>
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<td>TERESA HARTMANN, Project Lead, Climate Initiatives, World Economic Forum</td>
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<tr>
<td>17:30 - 19:30</td>
<td>IETA BusinessHub Lounge</td>
<td>SIDE EVENT 13 - IETA BUSINESSHUB WELCOME RECEPTION &amp; NET ZERO AWARD CEREMONY</td>
<td>The Net Zero Award will recognise the best national approach to enabling private sector finance to meet a goal of net zero emissions, delivered by IETA and supported by Natural Capital Partners.</td>
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<td>Time</td>
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<td>10:30 - 12:00</td>
<td>SIDE EVENT 14 - NEW CARBON MARKETS: SUPPORTING THE LOW CARBON TRANSITION IN THE SOUTHERN AND EASTERN MEDITERRANEAN REGION</td>
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<td><strong>Description:</strong> With the CDM, the Southern and Eastern Mediterranean (SEMED) countries gained experience of carbon markets, participating afterwards in the Article 6 design. However, their application of carbon market mechanisms remains limited. Join us to discover the carbon market options for SEMED and the necessary NDC transparency and accounting considerations.</td>
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<td><strong>Moderator:</strong> JAN-WILLEM VAN DE VEN, Head of Climate Finance and Carbon Markets, EBRD</td>
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|              | **Speakers:** RYAN ALEXANDER, Associate, Climate Finance and Carbon Markets, Energy Efficiency and Climate Change, EBRD  
JEFF SWARTZ, Director Climate Policy and Carbon Markets, South Pole  
KELLY SIMS GALLAGHER, Professor of Energy and Environmental Policy, The Fletcher School of Law and Diplomacy  
BELAL SHQARIN, Head of Climate Change Adaptation, Ministry of Environment, Jordan |          |
| 12:00 - 13:30| SIDE EVENT 15 - SCALING PRIVATE SECTOR VOLUNTARY ACTION POST-2020            | SC: AD   |
|              | **Description:** ICROA has embarked on a series of workshops on the future of private sector voluntary action, involving market stakeholders, civil society and national governments. The aim of these events is to set out the issues, identify the challenges and develop collaborative solutions. This session will present Ecosystem Marketplace’s latest publication on the voluntary carbon market, giving insights on current trends and sharing the latest market data. ICROA and other key stakeholders will present their recent work and discuss options to scale voluntary action post-2020. |          |
|              | **Moderator:** JONATHAN SHOPLEY, Managing Director, Natural Capital Partners |          |
|              | **Speakers:** STEPHEN DONOFRIO, Director, Ecosystem Marketplace  
KAY HARRISON, Climate Change Ambassador, Government of New Zealand  
ALEXANDER FARSAN, Global Lead - Science Based Targets, WWF International  
JOCHEN GASSNER, CEO, First Climate  
DAVID HONE, Chief Climate Change Adviser, Shell |          |
| 13:30 - 15:00| SIDE EVENT 16 - WHAT IS THE IMPACT OF PRICING CARBON ON COMPETITIVENESS?    | SC: LS   |
|              | **Description:** This side event explores the impact of carbon pricing on competitiveness in the electricity and industrial sectors. Recent OECD analysis on this topic will be presented, and then discussed with a panel of experts. |          |
|              | **Moderator:** SILKE KARCHER, Head of Division EU Climate and Energy Policy, Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU), Germany |          |
|              | **Speakers:** JANE ELLIS, Principal Administrator, Environment Directorate, OECD  
STEFANO DE CLARA, Director, International Policy, IETA |          |
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<th>Time</th>
<th>Description</th>
<th>Event Name</th>
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<tr>
<td>15:00 - 16:30</td>
<td>Time-consuming and expensive: two complaints common to conventional emission reductions MRV systems. However, with the digital revolution upon us, environmental markets are poised for big changes. The EBRD-Spain ICP for the SEMED region has created an advanced approach to MRV. Join us to discuss digital technologies application to market-based instruments.</td>
<td>SIDE EVENT 17 - ADVANCED MRV SOLUTION FOR UNLOCKING CARBON MARKET POTENTIAL</td>
<td>IETA BusinessHub</td>
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<td>Moderator</td>
<td>ARANTXA MOJARRIETA, Climate Change Office, Spain</td>
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<tr>
<td>Speakers</td>
<td>JAN-WILLEM VAN DE VEN, Head of Climate Finance and Carbon Markets, EBRD</td>
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<td>PATRICK BÜRGI, Director Public Sector, South Pole</td>
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<td>OWEN HEWLETT, Chief Technical Office, Gold Standard</td>
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<td>ANDRAS JUHASZ, Manager, ACWA Power</td>
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<td>CAREL CRONENBERG, Associate Director – MRV Manager, EBRD</td>
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<td>15:00 - 16:30</td>
<td>IETA will host a briefing for members of the press, at which senior staff will provide an update on the state of the talks, with particular reference to the discussions over Article 6 of the Paris Agreement.</td>
<td>SIDE EVENT 18 - IETA PRESS ROUNDTABLE</td>
<td>IETA BusinessHub</td>
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<tr>
<td>Facilitator</td>
<td>ALESSANDRO VITELLI, Communication Advisor, IETA</td>
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<td>16:30 - 18:00</td>
<td>The session will launch IETA's new initiative which aims to bring the power of markets to Natural Climate Solutions. It will outline the organisations involved in the initiative and what it aims to deliver over its multi-year timeframe.</td>
<td>SIDE EVENT 19 - LAUNCH OF “MARKETS FOR NATURAL CLIMATE SOLUTIONS”</td>
<td>IETA BusinessHub</td>
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<td>Moderator</td>
<td>DIRK FORRISTER, President &amp; CEO, IETA</td>
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<td>Speakers</td>
<td>SIMON HENRY, Director, Carbon Market Development, IETA</td>
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<td>KELLEY KIZZIER, Associate Vice President for International Climate, EDF</td>
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<td>DUNCAN VAN BERGEN, Vice President Nature Based Solutions, Shell</td>
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<td>ENRIC ARDERIU, Originator, Global Environmental Products, BP</td>
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<td>JEREMY MANION, Lead of Forestry Carbon Markets and Natural Climate Solutions, Arbour Day Foundation</td>
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<td>18:00 - 19:30</td>
<td>Join us for drinks and fingerfood, as you have the opportunity to view the Boilermaker’s 15min CCUS special video!</td>
<td>SIDE EVENT 20 - BOILERMAKERS &amp; INTERNATIONAL CCS KNOWLEDGE CENTRE COCKTAIL RECEPTION</td>
<td>IETA BusinessHub</td>
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<td>IETA BusinessHub Lounge</td>
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<tr>
<td>09:00 - 10:30</td>
<td><strong>SIDE EVENT 21</strong> - MARKET-BASED MECHANISMS, NATURE-BASED SOLUTIONS AND ENHANCING CLIMATE RESILIENCE</td>
<td>ABYD KARMALI, Climate Finance Executive Bank of America&lt;br&gt;DEON NEL, CEO, The Global Resilience Partnership&lt;br&gt;TBC, AXA Investment Management&lt;br&gt;KAREN SACK, Director, Oceans Unite</td>
<td>CARSTEN WARNECKE, Founding Partner, NewClimate Institute</td>
<td>FRAUKE RÖSER, Founding Partner, NewClimate Institute&lt;br&gt;SARAH LEUGERS, Director, Communications, Gold Standard&lt;br&gt;ERIKA LENNON, Senior Attorney, Center for International Environmental Law (CIEL)&lt;br&gt;AKI KACHI, Climate Policy Analyst, NewClimate Institute&lt;br&gt;SVEN BRADEN, Independent Consultant&lt;br&gt;TBA, Comments from Negotiators</td>
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<td>10:30 - 12:00</td>
<td><strong>SIDE EVENT 22</strong> - SUSTAINABLE DEVELOPMENT IMPACTS UNDER ARTICLE 6</td>
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<td>FRAUKE RÖSER, Founding Partner, NewClimate Institute&lt;br&gt;SARAH LEUGERS, Director, Communications, Gold Standard&lt;br&gt;ERIKA LENNON, Senior Attorney, Center for International Environmental Law (CIEL)&lt;br&gt;AKI KACHI, Climate Policy Analyst, NewClimate Institute&lt;br&gt;SVEN BRADEN, Independent Consultant&lt;br&gt;TBA, Comments from Negotiators</td>
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<td>12:00 - 13:30</td>
<td><strong>SIDE EVENT 23</strong> - INNOVATIVE FINANCE FOR NITROUS OXIDE ABATEMENT</td>
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<td>SILKE KARCHER, Head of Division, German Federal Ministry for Environment, Nature Conservation and Nuclear Safety (BMU)&lt;br&gt;VENKATA PUTTI, Program Manager, World Bank&lt;br&gt;MUHAMMAD IRFAN TARIQ, Director General, Environment and Climate Change, Ministry of Climate Change, Government of Pakistan</td>
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**Description:**
- Projects that reduce GHG often have SD impacts which are important for the voluntary market but also have significant potential for SDGs in Paris based market approaches. The informed use of SD indicators and safeguards has the potential to improve effective implementation of SD benefits through transparency and efficient quantification.
- The event highlights innovative finance mechanisms to abate GHG emissions, in particular nitrous oxide (N2O). It will showcase the Nitric Acid Climate Auction Program, a pay-for-performance mechanism, which aims to stimulate investment in projects that reduce GHG emissions while maximizing the impact of public funds and leveraging private sector financing.
SIDE EVENT 24 - CARBON OFFSETTING AND REDUCTION SCHEME FOR INTERNATIONAL AVIATION (CORSIA): WHAT DOES THE FUTURE LOOK LIKE FOR AVIATION?

**Description:** CORSIA aims to achieve ICAO’s global aspirational goal of carbon neutral growth in aviation above 2020 levels. Where are ICAO, operators and governments with the implementation of the scheme? Panelists will address status of MRV and technical rules, units that are evaluated to meet the emissions unit criteria, interdependencies with the UNFCCC and the Paris Agreement, and addressing the avoidance of double counting.

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

**Speakers:**
- YUE HUANG, Manager, Aviation Environment, International Air Transport Association (IATA)
- THOMAS FORTH, Senior Adviser, Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU), Germany
- NANCY YOUNG, Vice President of Environmental Affairs, Airlines for America
- LAMBERT SCHNEIDER, Research Coordinator for International Climate Policy, Oeko Institute

SIDE EVENT 25 - THE VALUE OF ARTICLE 6: LESSONS FROM RESEARCH AND PRACTICE

**Description:** Part of the COP25 BUSINESS & INDUSTRY DAY (BINGO DAY) - Beyond Business as Usual: Leading for a Net Zero Future. This side event aims to build momentum for the adoption of guidance for Article 6 at COP25. It will do so by highlighting the crucial contribution that Article 6 could make towards the goals of the Paris Agreement, as well as issues important to consider. The event will present new research on how international emission reduction cooperation could help countries achieve the mitigation goals of the Paris Agreement.

**Moderator:** DIRK FORRISTER, President & CEO, IETA

**Speakers:**
- LEON CLARKE, Research Director for the Center for Global Sustainability (CGS), University of Maryland (UMD)
- STEVE ROSE, Senior Research Economist and Technical Executive, EPRI

**Panelists:**
- KELLEY KIZZIER, Associate Vice President for International Climate, EDF
- SUH-YONG CHUNG, Professor at Division of International Studies, Korea University
- SILKE KARCHER, Head of Division EU Climate and Energy Policy, Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU), Germany

SIDE EVENT 26 - HOW NATURE AND TECHNOLOGY CAN ENHANCE AMBITION AND ACCELERATE GHG MITIGATION

**Description:** The key aim of the side event will be to examine how nature and technology can be utilized to enhance ambition - both in terms of accelerating GHG reductions but also to bring co-benefits through improved environmental and social performance.

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

**Speakers:**
- BRIAN SULLIVAN, Executive Director, IPIECA
- LORENA PEREZ-BAJO, Climate Change Manager, IPIECA
- LUCIA PERUGINI, Centro Euro-Mediterraneo sui Cambiamenti Climatici
- KATIE SULLIVAN, Managing Director, North America, IETA
- MAGGIE COMSTOCK, Senior Director of Climate Policy, Conservation International
- DAVID ANTONIOLI, CEO, Verra
- DUNCAN VAN BERGEN, VP, Nature Based Solutions, Shell
- TBA, Repsol
FRIDAY, 6 DECEMBER 2019

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<tr>
<th>Time</th>
<th>Event Description</th>
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<tr>
<td>16:30 – 18:00</td>
<td>SIDE EVENT 27 - IPIECA NETWORKING RECEPTION</td>
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<td>17:00 - 18:30</td>
<td>SIDE EVENT 28 - TBC</td>
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<td>12:00 - 12:30</td>
<td>SIDE EVENT 29 - COLLABORATIVE INSTRUMENTS FOR AMBITIOUS CLIMATE ACTION EXPERIENCE: THE ROLE OF NATIONAL COMMITTEES</td>
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<tr>
<td>14:00 - 16:30</td>
<td>SIDE EVENT 30 - ACCELERATING THE BUSINESS AND INVESTOR RESPONSE TO CLIMATE RISK: AN S&amp;P GLOBAL CLIMATE EVENT</td>
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SATURDAY, 7 DECEMBER 2019

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<td>12:00 - 12:30</td>
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<td>14:00 - 16:30</td>
<td>SIDE EVENT 30 - ACCELERATING THE BUSINESS AND INVESTOR RESPONSE TO CLIMATE RISK: AN S&amp;P GLOBAL CLIMATE EVENT</td>
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**Description:**

The event is aiming at showcasing the specific experiences in Pakistan and Dominican Republic on establishing multisectoral mechanisms to ensure participatory processes and thorough consultations when exploring the options of adoption of market instruments.

**Moderator:**

TBA, Government Representative

**Speakers:**

MALIK AMIN ASLAM, Climate Change Adviser to the Prime Minister, Pakistan
ERNESTO REYNA, Vice President, Climate Change Council
MILCIADES ABDIEL CONCEPCIÓN, Minister of Environment, Panama

**Description:**

Hear from industry practitioners, including investment management and private corporations, as they share perspectives on assessing risk, defining new opportunities and creating resilient transition strategies. Thought leaders will join S&P Global & PRI specialists to examine:

- New business models to accelerate the transition to a sustainable economy
- Avoiding the Tragedy of the Horizon: scenario analysis and portfolio design for the fourth industrial revolution

14:00 - 14:10 Opening Remarks
14:10 - 15:00 Corporate Panel
15:00 - 15:10 Intermission
15:10 - 15:30 Keynote Presentation
15:30 - 16:20 Investor Panel
16:20 - 16:30 Closing Remarks

Please join S&P Global and PRI after the presentations for a networking reception.

**S&P Global**
## SIDE EVENTS PROGRAM

### MONDAY, 9 DECEMBER 2019

<table>
<thead>
<tr>
<th>09:00 - 09:30</th>
<th>SIDE EVENT 31 - S&amp;P GLOBAL &amp; PRI NETWORKING COCKTAIL RECEPTION</th>
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<td>SC: CC / AD</td>
<td>IETA BusinessHub Lounge</td>
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**S&P Global**

### SIDE EVENT 32 - MARS INC. WELCOME COFFEE

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<tr>
<th>09:30 - 11:00</th>
<th>SIDE EVENT 33 - LAND MATTERS HOW DO WE GET TO ZERO IN CORPORATE CLIMATE TARGETS?</th>
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<td>SC: KS</td>
<td>IETA BusinessHub Side Event Room</td>
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**MARS**

#### Description:
Mars, Inc. hosts this discussion on the emerging carbon accounting and target-setting guidelines and methodologies emerging in the land use and agricultural sector. The goal is to advance the conversation on addressing gaps and barriers and establishing a more standardized way for companies to manage supply chain emissions.

**Moderator:** ASHLEY ALLEN, Climate and Land Senior Manager, Mars Incorporated

**Keynote:** MARGARET KIM, CEO, Gold Standard

**Speakers:**
- TIM JULIANI, Director, US Corporate Climate Engagement, WWF
- JON DETTLING, Global Director, Innovation + Services, Quantis

#### SIDE EVENT 34 - EMERGENT AND ARCHITECTURE FOR REDD+ TRANSACTIONS: A NEW STRUCTURE FOR SCALING FINANCE FOR TROPICAL FOREST PROTECTION

<table>
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<tr>
<th>11:00 - 12:30</th>
<th>SIDE EVENT 34 - EMERGENT AND ARCHITECTURE FOR REDD+ TRANSACTIONS: A NEW STRUCTURE FOR SCALING FINANCE FOR TROPICAL FOREST PROTECTION</th>
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<td>IETA BusinessHub Side Event Room</td>
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#### Description:
Protecting and restoring tropical forests can contribute up to 1/3 of the climate results the world needs. The Architecture for REDD+ Transactions (ART) provide confidence in the environmental and social integrity of national and jurisdictional forest emissions reductions to catalyze new, large-scale finance for REDD+. The Emergent Forest Finance Accelerator provides a guaranteed source of demand for the purchase of ART emissions reductions. The initiatives together transform the landscape for REDD+ to deliver on its massive climate impact potential.

**Moderator:** FRANCES SEYMOUR, Chair of the Board, Architecture for REDD+ Transactions

**Speakers:**
- ERON BLOOMGARDEN, Executive Director, Emergent
- MARY GRADY, DIRECTOR, ART Secretariat, Winrock International
- JOHN KADYSZEWSKI, Director, ART Secretariat, Winrock International
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<tr>
<th>Time</th>
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<th>Moderator</th>
<th>Speakers</th>
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<tr>
<td>12:30 - 14:00</td>
<td>IETA BusinessHub</td>
<td>SIDE EVENT 35 - U.S. CORPORATE CLIMATE LEADERS: TRANSFORMING THE FUTURE</td>
<td><strong>Description:</strong> A panel of U.S. electric power company CEOs will describe efforts by their companies and the power sector to reduce GHG emissions in the U.S., including their commitments to reach net-zero emissions by 2050 and the opportunities and challenges of reaching such a goal.</td>
<td>BRIAN WOLFF, Executive Vice President, EEI</td>
<td>GERRY ANDERSON, Executive Chairman, DTE Energy PEDRO PIZARRO, President and CEO, Edison International PAT VINCENT-COLLAWN, Chairman, President and CEO, PNM Resources</td>
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<td>14:00 - 15:30</td>
<td>IETA BusinessHub</td>
<td>SIDE EVENT 36 - FOREST RESTORATION: CLIMATE OFFENSE FOR BUSINESS</td>
<td><strong>Description:</strong> Historic and recent evidence is clear that the time to plant trees at-scale is now. Trees are a proven, low-cost, effective, and scalable approach to mitigating the impacts of a changing climate. So, what are the current opportunities and barriers to restoring forest landscapes globally? How is the private sector making a business case to invest in forest restoration? The Arbor Day Foundation and its partners will explore both market-based and non-market-based approaches to guiding investments into restoring forests and community trees.</td>
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<td>Side Event Room</td>
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<td><strong>Moderator:</strong> JEREMY MANION, Lead of Forestry Carbon Markets, Arbor Day Foundation</td>
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<td>DIRK FORRISTER, President &amp; CEO, IETA REBEKAH BRASWELL, COO, Land Life DUNCAN VAN BERGEN, VP, Nature Based Solutions, Shell JONATHAN SHOPLEY, Managing Director, External Affairs, Natural Capital Partners STEPHEN DONOFRIO, Senior Advisor to Supply Change, Forest Trends MARY GRADY, Deputy Director, American Carbon Registry and Director, Architecture for REDD+ Transactions Secretariat MARGARET KIM, CEO, Gold Standard ASHLEY ALLEN, Senior Manager, Climate and Land, MARS</td>
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<tr>
<td>15:30 - 17:00</td>
<td>IETA BusinessHub</td>
<td>SIDE EVENT 37 - ACCELERATING METHANE MITIGATION THROUGH MARKETS: A CASE STUDY FOR THE WORLD FROM ALBERTA CANADA</td>
<td><strong>Description:</strong> To achieve a 45% reduction target in oil &amp; gas methane emissions by 2025, Canada and Alberta developed new methane regulations in 2018 that leverage existing carbon markets in Canada. This session will share insights on how this approach has accelerated reductions and how this approach can be deployed elsewhere in the world.</td>
<td>KATIE SULLIVAN, Managing Director, North America, IETA</td>
<td>YVAN CHAMPAGNE, President, Bluesource Methane PATRICIA FULLER, Climate Change Ambassador, Government of Canada ROB JAMES, Director, Canadian Commercial Corporation TBA, Alberta Provincial Government Representative DAN MCDougall, Senior Fellow, Climate and Clean Air Coalition</td>
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</table>
SIDE EVENT 38 - GALICIA CASE STUDY ON HOW TO ORIGINATE AND TRADE CARBON CREDITS IN YOUR REGION

**Description:** This session will discuss how the region of Galicia in Spain will use an electronic carbon credit registry and eXchange system to support the regional trading of carbon credits that are being originated from local reforestation projects.

**Presenters:** WAYNE SHARPE, CEO, Global Environmental Markets (GEM)  
JAIME RODRIGO POCH GERENTE, Director, CGN Certification

**Description:** This session is a follow up from the discussions in Week 1 on the “state of play” for the Article 6 negotiations. Stock taking of where we are and what has transpired during Week 1. Negotiators representing diverse views will share thoughts on the state of the negotiations. Attendees will be briefed and will enter in discussion with some of the most knowledgeable negotiators on Article 6.

**Moderator:** ANDREI MARCU, Managing Director, ERCST

**Speakers:** DIRK FORRISTER, President & CEO, IETA  
THOMAS FORTH, Senior Adviser, Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU), Germany  
JOSE MIGUEZ, Member of the Executive Board of CDM/KP Representing Non-Annex I Parties Constituency, Brazil  
KAZUHISA KOAKUTSU, Director of International Negotiations, Market Mechanisms Office, Japanese Ministry of the Environment  
MARTIN HESSION, International Carbon Markets, European Commission  
SONAM TASHI, Senior Adviser, Royal Government of Bhutan  
MJ MACE, Lawyer, Belize  
ELIZABETH CAREY, Senior Research Associate Energy Transitions and Environment, KAPSARC Saudi Arabia  
KAREN HOLM, Senior Researcher, UNEP

**SIDE EVENT 40 - MINISTÈRE DE L’ECONOMIE ET DE L’INNOVATION DU QUÉBEC COCKTAIL RECEPTION**

Hosted by the Ministère de l’Économie et de l’Innovation du Québec
### SIDE EVENT 41 - BREAKFAST SESSION: EMISSION SCENARIO AND EMISSION REDUCTION MEASURES OF AVIATION AND MARITIME SECTOR

**Description:** Closed event, by invitation only

- Emission scenario of aviation and maritime and long term emission reduction target
- Options for emission reduction – pros and cons
- Efficiency improvement by ships/air planes and operation
- Bio fuel
- Low carbon petro fuel
- Offset credit
- What is the sustainable emission scenario of aviation and maritime?

**Moderator:** TAKASHI HONGO, Mitsui & Co. Global Strategic Studies Institute & Council Member, IETA

Roundtable with representatives from ICAO, IMO, IATA, IETA, IEA, Fuel Industry, Carbon Market, Think Tanks, and Governments

### SIDE EVENT 42 - DECARBONIZING TRANSPORTATION: CHALLENGES & OPPORTUNITIES

**SESSION 1: STATE, LOCAL, AND REGIONAL COLLABORATIONS**

**Description:**
The CAR/TCR Transportation Symposium will discuss the importance of decarbonizing the transportation sector in light of its major role in contributing to climate change, the continued increase in transportation emissions globally, and the difficulty of coming up with viable no/low carbon options. This first panel will discuss the state of transportation policies at the state, local, and regional level.

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

**Speakers:**
- TIM SEXTON, Chief Sustainability Officer, Director, Office of Sustainability and Public Health & Chair, USCA Transportation Working Group
- BEN GRUMBLES, Secretary of the Environment, Maryland & Chair of RGGI
- MARK PURDON, iCarbonne, Quebec, University of California / Davis Initiative

### SIDE EVENT 43 - DECARBONIZING TRANSPORTATION: CHALLENGES & OPPORTUNITIES

**SESSION 2: CORPORATE INITIATIVES - POLICIES & PARTNERSHIPS**

**Description:**
The second panel will include senior executives from global transportation specialists to examine some of the latest corporate initiatives and what needs to be done to accelerate development of no/low options for the transportation market.

**Moderator:** AMY HOLM, Executive Director, The Climate Registry (TCR)

**Speakers:**
- ANDREAS KLUGESCHEID, Vice President Governmental Affairs, BMW
- CATHY WOLLUMS, Senior Vice President, Chief Sustainability Office, Berkshire Hathaway, Mid America
- TBA, Uber
- TBA, BP Target Neutral
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<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
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| 12:30 - 14:00 | IETA BusinessHub Side Event Room | **SIDE EVENT 44 - FROM WORDS TO ACTION – SUPPORTING THE NET-ZERO TRANSITION WITH CARBON CAPTURE AND STORAGE**  
**SC: LS**  
*Description:* The net-zero transition will require a transformation of our economies and industries. A portfolio of solutions will be needed, including carbon capture and storage (CCS) to reach climate targets. There are 19 large-scale CCS facilities operating globally. Over 2,000 will be needed to decarbonise our economies. How can we translate bold climate ambition into operating CCS projects and accelerate the commercial deployment of this technology?  
*Moderator:* BRAD PAGE, CEO, Global CCS Institute  
*Speakers:* LORD NICHOLAS STERN, IG Patel Professor of Economics & Government, London School of Economics & Chair, Grantham Research Institute  
DAVID HONE, Chief Climate Change Adviser, Shell|
| 14:00 - 17:00 | La Liga                      | **SIDE EVENT 45 - IETA COUNCIL MEETING**  
**SC: LS/AV**  
*Description:* Closed, for IETA Council Members only|
| 14:00 - 15:30 | IETA BusinessHub Side Event Room | **SIDE EVENT 46 - QUANTIFICATION OF SDGS TO IMPLEMENT ARTICLE 6 OF THE PARIS AGREEMENT**  
**SC: CC**  
*Description:* In order to assist GHG emission reduction projects in measuring their SDG baselines and to measure future progress, ALLCOT is developing an open-source SDG Quantification Methodology which aims to establish the measurable co-benefits of the SDGs as an operational tool in development activities to ensure a fair carbon price.  
*Moderator:* SERGI CUADRAT, Group Chief Technical Officer, ALLCOT  
*Speakers:* EL HADJI MBAYE DiAGNE, Vice-Chair, CDM Executive Board  
DAVID ANTONIOLI, Chief Executive Officer, Verra  
OWEN HEWLETT, Chief Technical Officer, Gold Standard|
| 15:30 - 17:00 | IETA BusinessHub Side Event Room | **SIDE EVENT 47 - MAKING NESTED REDD+ WORK**  
**SC: CC**  
*Description:* Emerging domestic and international markets (e.g., CORSIA) provide concrete opportunities to drive market finance to REDD+ activities. Nested REDD+ projects can play an important role, but most countries don’t yet have nested accounting policy in place. This panel discussion will share the latest approaches to advancing nested REDD+ architecture.  
*Moderator:* NAOMI SWICKARD, Chief Market Development Officer, Verra  
*Speakers:* DONNA LEE, Climate Change and Land Use Consultant  
TBA, Local project proponent from Peru or Guatemala  
TBA, Representative Government of Peru  
TBA, Representative Government of Colombia  
TBA, Representative from private sector finance|
<table>
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<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>17:00 - 18:30</td>
<td>SIDE EVENT 48 - VERRA COCKTAIL RECEPTION</td>
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<tr>
<td>IETA BusinessHub Lounge</td>
<td><img src="https://via.placeholder.com/150" alt="VERRA Logo" /></td>
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<tr>
<td>Description:</td>
<td>This session will present a live demonstration of GEM's new global meta-registry for trading carbon credits (or ITMOs) under Article 6 of the Paris Agreement. The demonstration will be followed by a Q&amp;A and drinks session.</td>
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<tr>
<td>Presenter:</td>
<td>WAYNE SHARPE, CEO, Global Environmental Markets (GEM)</td>
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<tr>
<td>17:00 - 18:00</td>
<td>SIDE EVENT 49 - TECHNOLOGY INFRASTRUCTURE TO ORIGINATE AND TRADE ITMOS' UNDER ARTICLE 6</td>
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<tr>
<td>IETA BusinessHub Side Event Room</td>
<td><img src="https://via.placeholder.com/150" alt="GEM Logo" /></td>
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<tr>
<td>Description:</td>
<td>Businesses around the world are committed to help their governments reach the objectives of the Paris Agreement and deliver ambitious climate actions. Industry associations from Europe, Brazil and Indonesia will showcase their experiences and ideas on effective cooperation with their national governments on climate policy, followed by an interactive discussion with policymakers and the audience on take-aways and good practices.</td>
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<tr>
<td>Moderator:</td>
<td>FRITS DE GROOT, Manager, Dutch Employers’ Federation (VNO-NCW)</td>
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<tr>
<td>Speakers:</td>
<td>HOLGER LÖSCH, Deputy Director General, Federation of German Industries (BDI)</td>
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<td></td>
<td>ROOSDINAL SALIM, Head of Permanent Committee for Environmental Preservation and Forest Utilization, Indonesian Chamber of Commerce and Industry (KADIN)</td>
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<td>TBA, National Confederation of Industry Brazil (CNI)</td>
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<td></td>
<td>YVON SLINGENBERG, Director, DG Climate Action, European Commission</td>
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<td>TBA, Brazilian Government</td>
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<tr>
<td>17:00 - 18:30</td>
<td>SIDE EVENT 50 - IETA ANNUAL GENERAL MEETING</td>
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<td>La Liga</td>
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<tr>
<td>Description:</td>
<td>Closed, for IETA Members only, followed by a Members Reception (18:30-19:30)</td>
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<tr>
<td>18:00-19:30</td>
<td>SIDE EVENT 51 - INDUSTRY STRATEGIES FOR CLIMATE AMBITION: NATIONAL PERSPECTIVES AND NEXT STEPS</td>
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<td>IETA BusinessHub Side Event Room</td>
<td><img src="https://via.placeholder.com/150" alt="BusinessesEurope Logo" /></td>
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<td>TBA, Brazilian Government</td>
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<tr>
<td>18:00 - 19:30</td>
<td>SIDE EVENT 52 - GCCSI PRESS COCKTAIL RECEPTION “WHY NOW IS THE MOMENT FOR CCS CLIMATE ACTION”</td>
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<td>IETA BusinessHub Boardroom</td>
<td><img src="https://via.placeholder.com/150" alt="Global CCS Institute Logo" /></td>
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<tr>
<td>Description:</td>
<td>Journalists are invited to meet experts and learn more about the latest developments on carbon capture and storage globally.</td>
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SIDE EVENT 53 - REGEN FUTURE CAPITAL COCKTAIL RECEPTION

SIDE EVENT 54 - BUSINESSEUROPE NETWORKING RECEPTION

SIDE EVENT 55 - WELCOME COFFEE

SIDE EVENT 56 - TBC

Description: TBC
Moderator: TBC
Speakers: TBC

SIDE EVENT 57 - ACCELERATING METHANE EMISSION REDUCTIONS AT UPSTREAM OIL AND GAS FACILITIES - SOLUTIONS THAT WORK

Description: The oil and gas sector is releasing methane as fugitive and vented emissions. Unfortunately, many do not have the detailed site-specific information that is needed to quantify vented emissions. Join us to learn about a software system, the Methane Abatement Project Platform (MAPP), and plans to deploy MAPP internationally and learn how one company used the system to permanently lower its methane emissions.
Facilitator: KATIE SULLIVAN, Managing Director, North America
Presenter: ALASTAIR HANDLEY, President, Carbon Credit Solutions
<table>
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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Moderator</th>
<th>Speakers</th>
</tr>
</thead>
</table>
| 11:00 - 12:30 | SIDE EVENT 58 - SUSTAINABLE FOOD SYSTEMS – BUILDING A PROGRAM FOR COLLECTIVE CLIMATE ACTION | KAREN HAUGEN-KOZYRA, President, Viresco       | MARGARET KIM, CEO, Gold Standard  
ANDREW KNEPP, Director of Environmental Strategy & Advocacy, Bayer US Crop Science  
ERIN FITZGERALD, CEO, US Farm and Ranch Alliance  
CHRIS CONIFER, Manager, Natural Climate Solutions, WBSCD  
KATIE SULLIVAN, Managing Director, North America, IETA                                              |
| 12:00 - 14:00 | SIDE EVENT 59 - CAPITAL POWER NETWORKING LUNCH                                       |                                                 |                                                                                                    |
| 12:30 - 14:00 | SIDE EVENT 60 - REALIZING THE POTENTIAL OF ARTICLE 6                                | ROBERT STAVINS, AJ Meyer Professor of Energy and Economic Development, Harvard Kennedy School | JOSEPH ALDY, Professor of the Practice of Public Policy, Harvard Kennedy School  
KAY HARRISON, Climate Change Ambassador, Ministry of Foreign Affairs and Trade, New Zealand  
KELLEY KIZZIER, Associate Vice President for Climate, Environmental Defense Fund  
ANDREI MARCU, Managing Director, European Roundtable on Climate and Sustainable Transition |
| 14:00 - 15:30 | SIDE EVENT 61 - REGIONAL COOPERATION TO BUILD ASIAN CARBON MARKETS                  | JACKSON EWING, Senior Fellow, The Nicholas Institute for Environmental Policy Solutions, & Adjunct Associate Professor, Sanford School of Public Policy, Duke University |                                                                                                    |
### SIDE EVENT 62 - UPDATE ON ARTICLE 6 NEGOTIATIONS

**Description:** Nearing the end of the negotiations, this side event will take stock of progress in the negotiations on Article 6, with the aim to discuss the remaining sticking points and highlight priorities for governments, private sector and civil society.

**Moderator:** RICK SAINES, Partner & Co-Founder, Pollination

**Speakers:**
- BRAD SCHALLERT, Deputy Director of International Climate Cooperation, WWF
- Tba, Article 6 Negotiators
- DIRK FORRISTER, President & CEO, IETA
- AMY STEEN, Legal Officer, UNFCCC Secretariat

### SIDE EVENT 63 - ROUNDTABLE: REGIONAL COOPERATION TO BUILD ASIAN CARBON MARKETS – NEXT STEPS

**Description:** On invitation only

This session seeks to identify and discuss needs and interests of countries introducing and implementing carbon markets in cooperating with other countries in the region; current and planned cooperation activities; and additional beneficial activities and topics, and tangible near-term actions to support these. The discussion will inform follow-on action items.

### SIDE EVENT 64 - INTRODUCING NEW MODELS FOR ENHANCING AMBITION: CONTINGENT INTERNATIONAL CONTRIBUTIONS AND INTERNATIONAL MITIGATION PARTNERSHIPS FOR FORESTS

**Description:** Introducing New Models for Enhancing Ambition: Contingent International Contributions and International Mitigation Partnerships for Forests

**Panelists:**
- PETER GRAHAM, Managing Director, Climate Advisers Trust
- DIANA MOVUIS, Director of Global Forest Policy, Climate Advisers Trust
- ALEX HANAFI, Director of Multilateral Climate Strategy and Lead Counsel, Environmental Defense Fund (EDF)
- TBA, Respondents from Governments
### WEDNESDAY, 11 DECEMBER 2019

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>18:00 - 19:00</td>
<td>SIDE EVENT 65 - ASIA SOCIETY POLICY INSTITUTE (ASPI) COCKTAIL RECEPTION</td>
<td>IETA BusinessHub Lounge</td>
<td>SdC/CC</td>
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<tr>
<td>19:00 - 20:00</td>
<td>SIDE EVENT 66 - CLIMATE ADVISERS COCKTAIL RECEPTION</td>
<td>IETA BusinessHub Lounge</td>
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<tr>
<td>21:00 - Midnight</td>
<td>SIDE EVENT 67 - IETA COP25 NIGHTCAP PARTY</td>
<td>Downtown Madrid</td>
<td>LS</td>
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**Description:** On invitation, for IETA Members only

### THURSDAY, 12 DECEMBER 2019

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>09:30 - 11:00</td>
<td>SIDE EVENT 68 - ASIA CARBON MARKETS AND ARTICLE 6 FOR ACHIEVING SDGS IN SOUTH ASIA</td>
<td>Side Event Room</td>
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</table>

**Description:** Regional Cooperation between carbon markets and voluntary climate action for achieving NDCs in the South Asia region.

**Case Studies**
- **Blue Carbon, Mangrove Restoration, Myanmar**
  SANDEEP ROY CHOUDHURY, Director VNV Advisory & Senior Advisor World View Foundation
- **Clean Cooking, Bangladesh**
  KHALEQ UZ ZAMAN, CEO, Bangladesh Bondhu Foundation & Advisor GIZ Bangladesh
- **Ecosystem Restoration, Himalayas, Nepal**
  DAVID MOLDEN, Director General, International Centre for Integrated Mountain Development (ICIMOD)

**Panel Discussion**
- **Moderator:** SANDEEP ROY CHOUDHURY, Director VNV Advisory & Senior Advisor World View Foundation
- **Speakers:**
  - KYUNGHWA JEON, Project Portfolio Manager, Ecoeye Co.
  - HLA MAUNG THEIN, Director General, Ministry of Natural Resources & Environmental Conservation, Myanmar
  - SHAWKAT MIRZA, Designated National Authority, Bangladesh

**VNV Advisory**
<table>
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<tr>
<th>Time</th>
<th>Event Name</th>
<th>Description</th>
<th>Moderator</th>
<th>Speakers</th>
<th>Commentators</th>
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<tbody>
<tr>
<td>11:00 - 12:30</td>
<td>SIDE EVENT 69 - ARTICLE 6 MODELLING</td>
<td>This event will present new research on how international emission reduction cooperation could help countries achieve the mitigation goals of the Paris Agreement. It will also highlight the potential value of Article 6, issues, and the rules needed to harness the power of cooperation. Among other things, panelists will discuss how Article 6 can play a crucial role in enhancing the level of ambition from that outlined in the NDCs, thus helping to close the gap with the long-term target of the Paris Agreement.</td>
<td>DIRK FORRISTER</td>
<td>LEON CLARKE, ALEX HANAFI, SUH-YONG CHUNG, Tba, Government representative</td>
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<tr>
<td>12:30 - 14:00</td>
<td>SIDE EVENT 70 - HARNESSING SYNERGIES BETWEEN CARBON MARKETS AND CLIMATE FINANCE FOR ACHIEVING AMBITIOUS NDCs</td>
<td>The event presents initiatives from African countries that develop innovative synergies between market mechanisms and climate finance. Senegal showcases how these activities support in achieving their NDC targets as well as readiness preparations for next generation carbon markets under Article 6.</td>
<td>STEPHAN HOCH,</td>
<td>MADELEINE DIOUF SARR, SANDRA GREINER, EL HADJI MBAYE DIAGNE</td>
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<td>Perspectives Climate Group</td>
<td>MADELEINE DIOUF SARR, SANDRA GREINER, EL HADJI MBAYE DIAGNE</td>
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<tr>
<td>14:00 - 15:30</td>
<td>SIDE EVENT 71 - CARBON PRICING IN THE AMERICAS ROUNDTABLE: TAKING STOCK AND GROWING THE PAN-HEMISPHERIC CLUB</td>
<td>Join Government, Business and NGO leaders for this Special Roundtable on Carbon Pricing Outlooks and Cross-Border Coordination across The Americas. Building off the 2017 Declaration on Carbon Pricing in the Americas, the diverse speakers will take stock of national/subnational North and South America carbon pricing systems and how the dozens of jurisdictions – with business and civil society input and support – are working to strengthen collaboration while growing pan-hemispheric “carbon clubs” through 2020.</td>
<td>KATIE SULLIVAN,</td>
<td>TBA, TBA, TBA, TBA, TBA, TBA</td>
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<td>Managing Director, North America, IETA</td>
<td>TBA, TBA, TBA, TBA, TBA, TBA</td>
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### SIDE EVENT 72 - FUTURE ROLE OF CARBON MARKETS IN FACILITATING VOLUNTARY CLIMATE ACTIONS

**Description:** The cancellations of emission reduction credits in voluntary markets and of allowances in compliance markets can enable voluntary climate action. The event will present the interim results of two projects, one comparing credit and allowance cancellations along key dimensions and the other focusing on the role for voluntary markets post-2020.

**Moderator:** DENNIS TÀNZLER, Director International Climate Policy, adelphi

**Speakers:**
- THOMAS DAY, Founding Partner, NewClimate Institute
- MARTIN CAMES, Head of Energy & Climate Division, Öko-Institut
- STEPHANIE LA HOZ THEUER, Senior Project Manager, adelphi
- TBA, International discussant & Respondent

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### SIDE EVENT 73 - IETA COP25 BUSINESSHUB RECEPTION & CARBON PRICING AWARD CEREMONY

In partnership with DeMarco Allan.

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### SIDE EVENT 74 - IETA PRESS ROUNDTABLE

**Description:** IETA will host a briefing for members of the press, at which senior staff will provide an update on the state of the talks, with particular reference to the discussions over Article 6 of the Paris Agreement.

**Facilitator:** ALESSANDRO VITELLI, Communication Advisor, IETA
ACT Financial Solutions
ACT Commodities is the global leader in trading energy commodities. We deal with buyers and sellers of certificates and physical products all over the world, these include energy efficiency certification, renewable energy certificates and carbon emission allowances. Our goal is to bring our customers the right products for their needs, at the right time. Because our energy commodities trading network is more expansive than any other trading company in this market, we are able to offer unrivaled choice, service and reliability.

Contact: Federico Di Credico, Managing Director
FDicredico@ActCommodities.com | www.actcommodities.com

ACWA Power
Our mission is reliably delivering electricity and desalinated water at low cost. Our vision is to ensure the ingenuity and entrepreneurship of the private sector and make available electricity and desalinated water in a reliable manner to support social development and economic growth of nations. ACWA Power will continue to be a developer, investor and operator of power generation and water desalination plants. We co-invest at a strategic level in our projects to ensure a large degree of technical and operational control over the performance of such assets.

Contact: David Ungar, Executive Director, Greenhouse Gas Mitigation & Sustainability
DUngar@acwapower.com | www.acwapower.com

ALLCOT
ALLCOT is a project developer offering knowledge, expertise and management to initiatives that reduce greenhouse gas (GHG) emissions to actively combat the climate crisis under Article 6 of the Paris Agreement being aligned with the 2030 Agenda and its 17 Sustainable Development Goals (SDGs).

Contact: Tommi Neuvonen, Group Managing Director
tn@allcot.com | www.allcot.com

American Carbon Registry (ACR)
ACR is 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.

Contact: Mary Grady, Deputy Director
MGrady@winrock.org | www.americancarbonregistry.org

Arbor Day Foundation
The Arbor Day Foundation’s mission is simple: we inspire people to plant, nurture, and celebrate trees. In the carbon markets, the Foundation specializes in scaling-up verified carbon credit projects via forest restoration and agroforestry. We co-create compelling carbon credit and value chain portfolios that include forest protection, improved forest management, forest restoration, blue carbon, and community trees/forests. Together we can create a climate-positive economy that restores forests and empowers all people and communities. The time for trees is now.

Contact: Jeremy Manion, Lead of Forestry Carbon Markets and Natural Climate Solutions
jmanion@arborday.org | www.arborday.org

Asia Society Policy Institute (ASPI)
ASPI tackles major policy challenges now confronting the Asia-Pacific in security, prosperity, sustainability, and the development of common norms and values for the region. ASPI is a think-and-do tank designed to bring about changes that incorporate the best ideas from top experts in Asia and to work with policy makers to integrate these ideas and put them into practice.

Contact: Alistair Ritchiem, Director of Asia-Pacific Sustainability
aritchie@asiapolicy.org | www.asiasociety.org
**Atlantica Sustainable Infrastructure**

Atlantica is a total return sustainable infrastructure company that owns, manages and acquires a diversified portfolio of contracted assets in the power and environment sectors. We operate high-quality facilities recently constructed, with long useful lives. Our long-term contracts with creditworthy counterparties permit us to generate stable and long-term cash-flows. All our assets have contracted revenues (regulated revenues in the case of our Spanish assets and one transmission line in Chile) and are underpinned by long-term contracts.

Contact: Gabriel Deniz Marrero, Head of Corporate Affairs
Gabriel.deniz@atlanticayield.com | www.atlanticayield.com

**Bank of America**

At Bank of America, we’re guided by a common purpose to help make financial lives better, through the power of every connection. We’re delivering on this through responsible growth with a focus on our environmental, social and governance (ESG) leadership. ESG is embedded across our eight lines of business and reflects how we help fuel the global economy, build trust and credibility. It’s demonstrated in the inclusive and supportive workplace we create for our employees, the responsible products and services we offer our clients, and the impact we make around the world in helping local economies thrive.

Contact: Abyd Karmali, Managing Director, Climate Finance
abyd.karmali@bofa.com | www.bankofamerica.com

**Bluesource**

Bluesource is a market-maker, an advisor and a capital source for environmental markets. For over 20 years, the Company has been a leader in climate change and low carbon environmental products and services. Bluesource has become the dominant player in environmental markets with deep expertise in carbon capture and storage, forestry, transportation, energy efficiency and food processing along with significant environmental market positions in energy production, ODS, mine methane and energy efficient cook stoves in developing countries.

Contact: Yvan Champagne, President
yvanc@bluesourcecan.com | www.bluesourcecan.com

**BusinessEurope**

BusinessEurope is the leading advocate for growth and competitiveness at European level, standing up for companies across the continent and campaigning on the issues that most influence their performance. A recognised social partner of the European Union, we speak for all-sized enterprises in 35 European countries whose national business federations are our direct members.

Contact: Leon de Graaf, Adviser for Environmental and Climate Policy
L.degraaf@businesseurope.eu | www.businesseurope.eu

**Capital Power**

At Capital Power, we are a wholesale power generator that produces competitive, future-focused energy. We are an organization of experts and innovators in our field, with a long-standing commitment to responsible energy production and environmental stewardship. We have a long history of saying what we’ll do, then doing what we say. We are consistent in executing on our strategy. We are innovative and committed to sustainability.

Contact: Ahmed Idriss, Director, Environmental Policy, Canada
AIdriss@capitalpower.com | www.capitalpower.com

**Carbon Credit Solutions / Cap-Op Energy**

Cap-Op is a sustainability advisory firm based in Canada that provides technology solutions and professional consulting services to clients across the energy and policy spectrum. We make sustainability profitable through carbon and biofuel credits, emission reduction strategies, bioenergy pathway modeling, and clean-tech financing support. We also contribute to environmental policy development and industry-wide emission studies.

Contact: Name: Alastair Handley, President
alastair@ccsiemail.com | www.capopenenergy.com
Chevron
Chevron (NYSE: CVX) is one of the world’s leading integrated energy companies. Through its subsidiaries that conduct business worldwide, the company is involved in virtually every facet of the energy industry. Chevron explores for, produces and transports crude oil and natural gas; refines, markets and distributes transportation fuels and lubricants; manufactures and sells petrochemicals and additives; generates power; and develops and deploys technologies that enhance business value in every aspect of the company’s operations. Chevron is based in San Ramon, Calif.

Contact: Arthur Lee, Chevron Fellow and Senior Technical Advisor – Climate Change
RLAS@CHEVRON.COM | www.chevron.com

Climate Action Reserve (CAR)
The Climate Action Reserve works to ensure environmental benefit, integrity, and transparency in market-based solutions to address global climate change. The Reserve serves voluntary and compliance carbon markets in North America as an offset registry, assesses the climate impact of financial instruments under its Climate Impact Score program, and encourages early investment in emissions reductions through ex-ante crediting in its Climate Forward program.

Contact: Craig Ebert, President
cebert@climateactionreserve.org | www.climateactionreserve.org

Climate Advisers Trust
Climate Advisers Trust is a mission-driven policy and politics thinktank and non-governmental organization working to deliver a strong low-carbon economy. Climate Advisers brings together globally recognized thought leaders on energy, financial markets, diplomacy, US politics, strategic communications, and forests, lands and oceans. We specialize in breakthrough ideas informed by a deep understanding of complex policy and political challenges.

Contact: Diana Movius, Director, Global Forest Policy
movius@climateadvisers.com | www.climateadvisers.com

DeMarco Allan
A boutique law firm based in Toronto, we assist private and public sector clients where business, energy and climate change issues intersect. We distinguish ourselves by combining legal excellence, interdisciplinary thinking and innovative strategies. We focus on business, energy and climate change law and policy. As one of Canada’s first firms focused on climate law, we are a leader in the evolving legal and advisory landscape surrounding climate change provincially, nationally, and internationally.

Contact: Elisabeth DeMarco, Senior Partner
lisa@demarcoallan.com | www.demarcoallan.com

Edison Electric Institute (EEI)
EEI is the association that represents all U.S. investor-owned electric companies. Our members provide electricity for about 220 million Americans, and operate in all 50 states and the District of Columbia. In addition to our U.S. members, EEI has more than 65 international electric companies, with operations in more than 90 countries, as International Members, and hundreds of industry suppliers and related organizations as Associate Members.

Contact: Eric Holdsworth, Director, Climate Programs
EHoldsworth@eei.org | www.eei.org

Enel
For more than 50 years, Enel has brought progress to people around the world. Since Enel was founded in 1962, we have worked hard to enable businesses, nations and individuals to thrive by connecting them to electricity, gas and the right services for their needs. We are a multinational energy company and one of the world's leading integrated electricity and gas operators. We work in 33 countries across five continents, generating energy with a managed capacity of more than 89 GW, selling gas and distributing electricity across a network spanning approximately 2.2 million km.

Contact: Daniele Agostini, Head of Energy and Low Carbon Policies
daniele.agostini@enel.com | www.enel.com
European Bank for Reconstruction and Development (EBRD)
The EBRD is a multilateral development bank which invests in 38 developing economies from Morocco to Mongolia. Headquartered in London, the EBRD is the largest investor in renewable energy in its regions of operations and a leading financier of energy efficiency and climate resilience programmes. The Bank offers debt, equity, blended finance and innovative financial instruments to investors. It also provides policy engagement and technical support to governments on matters from renewable energy legislation to incentivising energy savings in municipalities.

Contact: Jan-Willem van de Ven, Head of Climate Finance and Carbon Markets  
VandeveJ@ebrd.com | www.ebrd.com

European Roundtable on Climate Change and Sustainable Transition (ERCST)
ERCST provides a neutral space where policymakers and regulators can meet stakeholders and discuss climate change policy and how to manage the transition to a slow GHG-economy in a sustainable way. ERCST provides analysis in step with the EU and international political agenda. ERCST has been focusing on European and Global Climate change policy and has been active in the global arena on the work leading to the creation of Art. 6 of the Paris Agreement and the development of its rule book. It is also involved in work on Response Measures.

Contact: Wijnand Stoefs, Program Manager  
wstoefs@ercst.org | www.ercst.org

German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU)
The ministry has been working over 30 years to protect the public from environmental toxins and radiation and to establish an intelligent and efficient use of raw materials, to advance climate action and promote a use of natural resources that conserves biodiversity and secures habitats.

Contact: Lydia Ondraczek, Referat KI I 6  
Lydia.Ondraczek.Extern@bmu.bund.de | www.bmu.bund.de

Global CCS Institute (GCCSI)
The Global CCS Institute is an international think tank whose mission is to accelerate the deployment of carbon capture and storage (CCS), a vital technology to tackle climate change. The Institute's diverse international membership includes governments, global corporations, private companies, research bodies and non-governmental organisations.

Contact: Annya Schneider, Advocacy & Communications Advisor  
Annya.schneider@globalccsinstitute.com | www.globalccsinstitute.com

Global Environmental Markets (GEM) & Carbon Trade Exchange (CTX)
GEM are experts in designing and developing financial technology for environmental markets. GEM provides markets with robust and secure trading exchanges, registries and electronic interfaces for any commodity or class. GEM owns and operates Carbon Trade eXchange (CTX), the world's first global spot exchange for carbon credits. The technology behind CTX and GEM's trading platforms is designed by an architect of the world's first online e-commerce platform Bartercard, which has turned over in excess of $50 Billion globally.

Contact: Wayne Sharpe, CEO  
wayne.sharpe@gemglobal.com | www.gemglobal.com

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: JASON CHAPMAN, Program Manager, Harvard Environmental Economics Program  
Jason_Chapman@hks.harvard.edu | www.belfercenter.ksg.harvard.edu
**Indigo Ag**
Harnessing nature to help farmers sustainably feed the planet - Indigo improves grower profitability, environmental sustainability, and consumer health through the use of natural microbiology and digital technologies.
The Terraton Initiative is a global effort that seeks to remove one trillion tons of carbon dioxide from the atmosphere and use it to enrich our agricultural soils. In the face of a climate crisis, the world’s 12 billion acres of farmland and pastureland offer a scalable opportunity to remove this excess carbon dioxide.

Contact: Allie Evarts, Manager, Public Relations
aevarts@indigoag.com | www.indigoag.com

**International Carbon Reduction and Offset Alliance (ICROA)**
ICROA is a non-profit organisation made up of the leading carbon reduction and offset providers in the voluntary carbon market. It is housed within the International Emissions Trading Association (IETA).
ICROA’s primary aim is to deliver quality assurance in carbon management and offsetting through our member’s adherence to the ICROA Code of Best Practice. This ensures credibility and quality for corporates using voluntary carbon credits to reduce their greenhouse gas emissions and meet their carbon targets.

Contact: ANTOINE DIEMERT, Programme Director
diemert@ieta.org | www.icroa.org

**International CCS Knowledge Centre**
At the International CCS Knowledge Centre, we aim to advance the understanding and use of CCS as a means of managing greenhouse gas emissions. Our mission is to accelerate the deployment of CCS worldwide by allowing the learnings acquired at the Boundary Dam Power Plant, to be shared broadly, and to allow further CCS research to be conducted. Our vision is to undertake projects that will help inform stakeholders regarding “real world” considerations in the use of CCS and advance the practical knowledge of combustion and flue gas treatment as it relates to CCS.

Contact: Beth Hardy, Vice President, Strategy & Stakeholder Affairs
bhardy@ccsknowledge.com | https://ccsknowledge.com

**International Petroleum Industry Environmental Conservation Association (IPIECA)**
IPIECA is the global oil and gas industry association for advancing environmental and social performance.
We have been championing good practice for 45 years. IPIECA develops, shares and promotes good practice and knowledge within the industry to help members tackle climate and energy, environmental and social issues.

Contact: Jim Herbertson, Technical Director, Climate and Energy
jim.herbertson@ipieca.org | www.ipieca.org

**MARS INC.**
Mars Incorporated is a global confectionery, food and pet care company, headquartered in the United States, with an annual revenue of $35 billion. Mars produces well-loved food brands, such as M&M’s®, Snickers®, Twix®, Pedigree®, Royal Canin®, Skittles®, and Uncle Ben’s®. Mars also provides veterinary services that include BANFIELD® Pet Hospitals, Blue Pearl®, VCA® and Pet PartnersTM. Mars employs over 115,000 associates with operations in over 80 countries.

Contact: Ashley Allen, Climate and Land Senior Manager
Ashley.Allen@effem.com | www.mars.com

**Ministère de l’Économie et de l’Innovation, Québec**
Export Québec, a unit in the Ministère de l’Économie et de l’Innovation, is primarily responsible for supporting the external market development projects of Québec exporters. It offers a number of services to help exporting businesses make the best strategic decisions and penetrate markets outside Québec.

Contact: Olivia Dion Olivia Dion, MBA | Conseillère en affaires internationales, Direction des marchés de l’Amérique latine et des Antilles
olivia.dion@economie.gouv.qc.ca | www.economie.gouv.qc.ca
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**MITSUBISHI UFJ RESEARCH & CONSULTING (MURC)**
MURC is the think tank arm of Mitsubishi UFJ Financial Group. Our business activities cover various fields, ranging from corporate management consulting, strategic support for global businesses, policy research and consulting, economic research, to employee training, business seminars, and related activities. Our mission is to help our customers and society to prosper, as a pioneer in creating value based on knowledge.

Contact: TATSUSHI HEMMI, Environment and Energy Dept. 
tatsushi.hemmi@murc.jp | www.murc.jp

**Mitsui**
MITSUI & CO., LTD. is one of the largest trading and investment companies in Japan, and its worldwide business area covers energy, machinery, chemicals, food, textile, logistics, finance, and more.

Contact: Akiko Kitazawa, NexGen Energy Department III, Energy & Innovation Division A.Kitazawa@mitsui.com  l  www.mitsui.com

**Natural Capital Partners**
Natural Capital Partners is harnessing the power of business to create a more sustainable world. We deliver solutions to make real change possible – reducing carbon emissions, generating renewable energy, building resilience in supply chains, conserving forests and biodiversity, and improving health and livelihoods. We’re on a mission to enhance the planet, not just maintain it. We created The CarbonNeutral Protocol in 2002 to provide a clear set of guidelines for businesses to achieve carbon neutrality.

Contact: Jonathan Shopley, Managing Director, External Affairs jshopley@naturalcapitalpartners.com | www.naturalcapitalpartners.com

**Nigeria Climate Change Investment Initiative (NCCII)**
NCCII an initiative of Ecologistics Integrated Services, was established to provide support in ascending climate change investment in developing nations. NCCII provides the platform for subnational entities, private sector, NGOs and CSOs to explore available climate resources, bringing them to the front burner for sustainable development. NCCII aims at integrating national and subnational economic strategies with the Nationally Determined Contributions (NDCs) for multiple growth in key sectors of the company, contributing to the emission reduction targets and sustainable development for developing nations.

Contact: Paul Abolo, President contact@eislco.com | www.eislco.com

**Norton Rose Fulbright**
Norton Rose Fulbright is a global law firm. We provide the world’s preeminent corporations and financial institutions with a full business law service. Recognized for our industry focus, we are strong across all the key industry sectors. Through our global risk advisory group, we leverage our industry experience with our knowledge of legal, regulatory, compliance and governance issues to provide our clients with practical solutions to the legal and regulatory risks facing their businesses.

Contact: Rachel Dawes, Global Head of Business Development - Energy rachel.dawes@nortonrosefulbright.com | www.nortonrosefulbright.com

**ReGen Future Capital**
ReGen Future Capital, through investments in Renewable Energy, Forestation, Soil Regeneration, and plastic removal, will develop and bring to the market innovative Carbon Credit programs. This structural redevelopment will redefine the relationship between environmental development and investment. Our mission is to reconnect Humanity with Nature. Our purpose to create an investment model that reconnects with nature. A multi-dimensional ESG model that uses the financial profitability of an ecosystem of environmental investments to produce returns to ALL stakeholders.

Contact: Maximilian Grut, COO max.grut@regenfuturecapital.com | www.regenfuturecapital.com
Suncor
Suncor Energy is Canada’s leading integrated energy company. Suncor’s operations include oil sands development and upgrading, offshore oil and gas production, petroleum refining, and product marketing under the Petro-Canada brand. A member of Dow Jones Sustainability indexes, FTSE-4Good and CDP, Suncor is working to responsibly develop petroleum resources while also growing a renewable energy portfolio. Suncor is listed on the UN Global Compact 100 stock index. Suncor’s common shares (symbol: SU) are listed on the Toronto and New York stock exchanges.

Contact: Susan Milburn, Executive Assistant
smilburn@suncor.com | www.suncor.com

South Pole Group
South Pole is a leading provider of global sustainability financing solutions and services, with more than 300 experts over 18 offices worldwide. South Pole has mobilised climate finance to over 700 projects in emission reduction, renewable energy, energy efficiency and sustainable land-use, acting today ‘for a better tomorrow’. South Pole's expertise covers project and technology finance, data and advisory on sustainability risks and opportunities, as well as the development of environmental commodities such as carbon and renewable energy credits.

Contact: Ramona Bettler, Marketing & Events Manager
r.bettler@southpole.com | www.southpole.com

S&P Global
Our purpose is to provide intelligence that is essential for companies, governments and individuals to make decisions with conviction. We’ve been here for more than 150 years. Gathering intelligence in every corner of the globe, to deliver the credit ratings, assessments and analyses that governments, companies and individuals depend on all over the world. With every index, every rating, every price assessment, analytic model and valuation, we’re here to provide the intelligence you need to make the right decision. With conviction.

Contact: Nichole Rescildo, Director, Events Marketing
Nichole_rescildo@spglobal.com | www.spglobal.com

Tradewater
Tradewater is a carbon offset project development company. Our mission is to improve environmental quality and create economic opportunity through the collection, control, and destruction of potent and high impact greenhouse gases. Tradewater is developing projects on three continents and produces verified carbon offset credits that are used in compliance and voluntary markets.

Contact: Tim Brown, Chief Executive Officer
tbrown@tradewater.us | www.tradewater.us

Verra
Verra develops and manages standards that help the private sector, countries, and civil society achieve ambitious sustainable development and climate action goals. Verra’s global standards frameworks serve as linchpins for channeling finance towards high-impact activities that tackle some of the most pressing environmental issues of our day.

Contact: Jessica Herfurth, Program Officer, Market Development and Communications
jherfurth@verra.org | www.verra.org

Vertis Environmental Finance
Established in 1998, Vertis Environmental Finance was one of the first companies in the world to be involved in the carbon markets, helping companies to get a better understanding of the carbon markets and to finance emission reduction investments. Today Vertis is one of the largest companies focusing on environmental commodities trading, aviation carbon, renewable energy, energy efficiency and the voluntary carbon markets.

Contact: Katerina Kolaciova, Sales Manager CEE
katerina.kolaciova@vertis.com | www.vertis.com
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**Viresco Solutions**
Viresco Solutions Inc. is an environmental consulting firm that helps its clients strategically navigate the complex and evolving world of sustainability. Viresco Solutions core service offerings include: Environmental Market Policy and Program Development, Greenhouse Gas Quantification, Offset and Inset Methodology and Environmental Standards Development, Emission Reduction Action Planning, Supply Chain Sustainability Assessments.

Contact: Karen Haugen-Kozyra, President
karen@virescosolutions.com | www.virescosolutions.com

**VNV Advisory Services**
We develop low-carbon projects that support communities while adapting and mitigating the impacts of climate change. Our work is in areas of clean cooking, social forestry, mangroves, sustainable agriculture, rural energy access and other community-based technologies. With support from over 40 implementation partners, our work encompasses over 4 million rural households and restoration of over 70,000 hectares of coastal and terrestrial forests in South Asia.

Contact: Sandeep Roy Choudhury, Director
sandeep@vnvadvisory.com | www.vnvadvisory.com

**Western States Petroleum Association (WSPA)**
Western States Petroleum Association represents companies that produce and refine petroleum and energy products in the five western states of Arizona, California, Nevada, Oregon, and Washington. We proudly represent the thousands of people in the industry who work tirelessly to ensure that society has greater access to mobility.

Contact: Tiffany Roberts, Director, Legislative and Regulatory Policy
troberts@wspa.org | www.wspa.org

**Woodside Energy Services**
Woodside is the pioneer of the LNG industry in Australia and the largest Australian natural gas producer. Working sustainably is a core value embedded at every level of our company. It is fundamental to maintaining our social licence to operate, and being a global leader in upstream oil and gas. As an Australian company with a global portfolio, we are proud of the contribution we make to sustainability in the communities we’re part of and in the markets we supply.

Contact: Elena Mavrofridis, Carbon Business Development Manager
elena.mavrofridis@woodside.com.au | www.woodside.com.au
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