

Standardizing Global Attribute Markets

PROGRAM

1–2 NOVEMBER 2022 BANGKOK

www.irecstandard.org

CO-HOSTING ORGANIZER

EGAT re

re 🖉 c c

PLATINUM SPONSOR

SPONSORS

GOLD SPONSORS

ECohz

SILVER SPONSORS

STX

3Degrees.

MEETING SPONSORS

Olimate Partner











ISC2022 AT A GLANCE

14.00-15.30 Ballroom C PRE-CONFERENCE 1 Introduction to the I-REC Standard

14.00-15.30 Thonburi room PRE-CONFERENCE 2 I-REC Standardized Trade Agreements

MONDAY 31 OCTOBER 2022

16.00-17.15 Thonburi room PRE-CONFERENCE 3 Development of Platforms Adherent to the I-REC Standard 15.30-18.00 Pre-registration in foyer

20.00-22.00 Get together in 'Above Eleven' offered to you by



08.00-09.30 Registration desk open in foyer

09.30-10.45 Grand Ballroom

OPENING SESSION 1 Standardizing Global Attribute Markets

10.45-11.15 Coffee break offered to you by

³Degrees[®]

11.15-12.15 Grand Ballroom SESSION 2A ASEAN EAC Market Integration

11.15-12.15 Thonburi room SESSION 2B

Development of Hydrogen Tracking Systems

12.15-13.30 Lunch offered to you by

STX

13.30-14.30 Grand Ballroom SESSION 3A Global EAC Standardization and the Impacts of Carbon Border Taxes

TUESDAY 1 NOVEMBER 2022

13.30-14.30 Thonburi room SESSION 3B Use of Renewables across the Supply Chain 14.30-15.00 Coffee break offered to you by

3Degrees.

15.00-16.00 Grand Ballroom SESSION 4A I-REC Growth in Emerging Markets

15.00-16.00 Thonburi room SESSION 4B Granularity and the Role of Platforms 16.30-17.30 Grand Ballroom KEYNOTE SESSION 5 End-User Round Table

17.30-18.30 Cocktail reception offered to you by



18.30 Departure buses to the ISC 2022 dinner party

19.30-22.30 ISC 2022 Dinner party in 'Spectrum' offered to you by



09.00-10.00 Grand Ballroom SESSION 6A Volume and Prices, Value of Renewables around the World

09.00-10.00 Thonburi room SESSION 6B Carbon Removal Mechanisms and Innovative Use Cases

10.00-10.30 Coffee break offered to you by

3Degrees.

WEDNESDAY 2 NOVEMBER 2022

10.30-11.30 Grand Ballroom SESSION 7A Driving Renewable Markets with Public-Private Partnerships

10.30-11.30 Thonburi room SESSION 7B EAC Registries and Marketplaces— More than just an IT Solution 12.00-13.00 Grand Ballroom KEYNOTE SESSION 8 A Future Vision for EAC Markets

13.00-14.30 Lunch offered to you by

STX

19.00-21.00 Boat tour on the Chaophraya River offered to you by

REC STANDARD

TUESDAY 1 NOVEMBER 2022

08.00 - 09.30 **REGISTRATION DESK OPEN IN FOYER**

09:30 - 10:45 **OPENING SESSION 1 GRAND BALLROOM**

Standardizing Global Attribute Markets

The need for EAC standards is more apparent now than ever. With attribute tracking becoming an integral part of electricity market development, EAC standardization plays a critical role in ensuring both power generators and endusers have access to credible, transparent, and globally harmonized information about the origin of their electricity. EACs are becoming the common denominating instrument for new energy markets beyond electricity—such as for clean hydrogen-this session will describe how EACs fit into new markets, how additional tracking layers are being implemented in different countries and the role of different stakeholders in these new attribute markets.

Speakers:

11:15 - 12:15

Jared Braslawsky Executive Director, The I-REC Standard Foundation Dirk van Evercooren Chair of The I-REC Standard Foundation Board Warit Rattanachuen Assistant Governor, Project Management Office, EGAT Nattachart Jerdnapapunt Managing Director, ReAcc

|--|

SESSION 2A GRAND BALLROOM

ASEAN EAC Market Integration

Europe has successfully integrated its EAC markets to support cross-border clean power transactions. This has supported the growth of clean energy generation alongside more robust corporate procurement options and cross-country EAC transactions. Asian governments and utilities are working toward similar agreements that are in line with corporate clean power ambitions. This session will discuss progress toward market integration, implications for buyers and sellers, next steps, and how to engage in the process of broader ASEAN market transformation. The session will also address the popular question from governments on how EAC exports affect nationally determined contributions under the United Nations Framework Convention on Climate Change, and how to manage their EAC markets accordingly.

Speakers:

Roble Poe Velasco-Rosenheim Regional Director ASEAN, The I-REC Standard Foundation

Andrew Glumac Senior Manager, Renewable Energy, CDP Nirinder Singh Johl CEO, Asia Carbon XChange Mitesh Patel Chief Commercial Officer, Sun Cable

11:15 - 12:15 SESSION 2B THONBURI ROOM

Development of Hydrogen Tracking Systems

By the time this session takes place, the I-REC Standard Foundation, together with Avance Labs as Code Manager, will have launched an I-REC Standard Product Code for Hydrogen. That said, clean hydrogen is still in its infancy. Projects are planned and slowly coming online, but demand-side risk due to lack of regulatory certainty is a barrier to further development. This session will review the I-REC for hydrogen mechanism and broadly discuss how certification can reduce demand-side risk on long-term contracts. With an estimated 80% of hydrogen likely to be generated in the Gulf Coast Countries, Avance's placement in Abu Dhabi has it strategically positioned to be right in the middle of the action. Avance will lead an engaging panel-seeking to disseminate challenges and lessons to date while engaging the audience in charting the way forward.

Speakers:

Wael Almazeedi CEO, Avance Labs Ranya Oualid Associate Programme Officer, IRENA Thomas Bosse Head of Carbon Management, **NEOM Energy and Water Company**



13:30 – 14:30 SESSION 3A GRAND BALLROOM 13:30 – 14:30

Global EAC Standardization and the Impacts of Carbon Border Taxes

Import carbon taxes such as the European Cross Border Adjustment Mechanism (CBAM) will have major implications on the costs of trading goods between nations and global regions. A critical challenge to the effective implementation of these systems will be reaching a consensus on how different environmental attributes are counted and used in these frameworks. The standardization of EAC systems across the world will play a key role in ensuring credible Scope 2 accounting as it relates to the production of goods. This session will discuss interlinkages between EAC markets and cross-border carbon taxes—highlighting the need for standardization of EACs to support the rollout of new accountability frameworks.

Speakers:

Ivano Iannelli Senior Advisor to the CEO, Sustainability, Emirates Global Aluminium
Nils Holta NetZero Advisor, ECOHZ
Shailesh Telang Senior Manager Renewable Energy Transition, act renewable
Alan Hayes Global Head of Energy Transition, S&P Global

30 – 14:30 SESSION 3B THONBURI ROOM

Use of Renewables Across the Supply Chain

Downstream procurement is becoming an important aspect of every major corporate social responsibility strategy. However, a vast range of questions remains unanswered. How can corporates support their supply chains in achieving Scope 2 decarbonization? How can brands ensure their Scope 3 emission reductions are linked to support their delivery to supply chain stakeholders-including downstream EAC procurement and PPA arrangements. This session will share best practices on how to link supplier Scope 2 emissions to brand-level Scope 3 accounting. It will also explain how emerging solutions are being integrated into the I-REC Standard and other major reporting frameworks. Key topics of this session include new labeling protocols, auditing strategies, and use cases for linking Scope 2 and 3 between brands and suppliers.

Speakers:

Roble Poe Velasco-Rosenheim Regional Director ASEAN, The I-REC Standard Foundation
Julie Casabianca Policy Manager, Global Corporate Energy Strategies, 3Degrees
Hans Goetze Director of Operations, Lock23
Valery Choy New Regions Renwables Leader, Amazon

14.30 - 15.00

COFFEE BREAK OFFERED TO YOU BY



15:00 – 16:00 SESSION 4A GRAND BALLROOM

15:00 – 16:00 SESSION 4B THONBURI ROOM

I-REC Growth in Emerging Markets

From 2020 to 2022, the I-REC Standard has added over fifteen (15) eligible I-REC(E) issuance countries to the map. Emerging markets in Central Asia, Turkey, and South America are seeing similar growth patterns and experiencing similar issues related to EAC implementation adherent to the I-REC Standard. This session will review growth trends in these new markets from both the supply and demand perspectives, introduce key stakeholders, and describe some market mechanisms that are creating success stories in emerging markets. The session will be relevant to end-users looking to source EACs in new markets, as well as brokers and intermediaries scaling up portfolios in previously inaccessible countries.

Speakers:

Oleg Dobrovolsky Regional Director, The I-REC Standard Foundation Enam Akoetey-Eyiah Regional Director Africa, The I-REC Standard Foundation Can Arslan CEO, Foton Marcelo Lando CEO, Eternum Energy **Granularity and the Role of Platforms**

Some of the most advanced corporate power buyers have expressed interest in procuring renewable electricity with increasingly fine granularity—down to 15-minute intervals linked with power consumption. The I-REC Standard Foundation and its partners such as the Electricity Code Manager, Evident, are piloting novel solutions to make this possible: early pilots have used third-party platforms and visualization tools to support implementation. Sharing best practices, challenges, and potential solutions will be critical for expanding access to hourly matching to all end-users in the market. This session will share firsthand experiences implementing these pilots and will discuss how other market participants (including new platforms and additional end-users) can get involved.

Speakers:

Jos Tuinenburg Manager Standard Compliance, The I-REC Standard Foundation Killian Daly General Manager, Energy Tag Ed Everson CEO, Evident Benjamin Gerber President & CEO, M-RETS

16.30 – 17.30 KEYNOTE SESSION 5 GRAND BALLROOM

End-User Round Table

The development of EAC markets is critical for supporting dialogue between governments and economic powerhouses including the Fortune 500s. While governments across the region have supported the development of clean energy markets, more work remains to be done. This session will bring together high-level panelists from the world's leading brands to discuss progress to date, and remaining barriers that still impact meaningful clean energy procurement. Government and utility stakeholders are invited to join the conversation with an engaging question-and-answer session aimed at encouraging public-private dialogue and collaboration in support of low-carbon, high-yield economic growth.

Speakers:

Jared Braslawsky Executive Director, The I-REC Standard Foundation Sam Kimmins Director of Energy, Head of RE100, Climate Group Somboon Samakphan Advance Specialist, Energy and Environmental Management, BMW Group Ken Haig Head of Energy and Environmental Policy APAC, Amazon Ivano Iannelli Senior Advisor to the CEO Sustainability, Emirates Global Aluminium

17.30 - 18.30	COCKTAIL RECEPTION OFFERED TO YOU BY	■ Ecohz
18.30	DEPARTURE BUSES TO THE ISC 2022 DINNER PARTY	
19.30 - 22.30	ISC 2022 DINNER PARTY IN 'SPECTRUM' OFFERED TO YOU BY	r e 🖉 c c



09:00 – 10:00 SESSION 6A GRAND BALLROOM

Volume and Prices, Value of Renewables Around the World

This session will answer the single most frequently asked question in EAC markets: how much are they worth? Endusers, power generators, and brokers alike will walk away with insights on benchmark prices to help guide sales and procurement in 2022. The world's biggest environmental commodity retailers will take the stage to share insights on supply gaps, liquidity overflows, and how they are pricing EACs across different fuel types and geographies. Any market participant remotely involved in buy- or sellside decisions in the EAC space should mark this session on their agendas and consider arriving in advance—space may be limited.

Speakers:

Roble Poe Velasco-Rosenheim Regional Director ASEAN, The I-REC Standard Foundation Jens Schumacher Managing Partner & Global Head of Climate Solutions, STX Commodities Nadiya Nair Strategist – Renewable Energy & Carbon Markets (Asia Pacific), ACT Commodities Felix Wuentscher Head of Portfolio Management -Renewable Energy, South Pole

09:00 – 10:00 SESSION 6B THONBURI ROOM

Carbon Removal Mechanisms and Innovative Use Cases

The Product Code for Carbon Removal (CDR) is new but is no doubt going to be impactful. This ex-post, fact-based instrument is guaranteed to provide durable sequestration of GHG emissions on a 100+ year time horizon. Adopting established principles and procedures from REC markets will bring more transparency, integrity and credibility to the Voluntary Carbon Market, enabling scale of CDR technologies in line with Net Zero. This session offers the opportunity to learn more about the CDR Code and how C-Capsule is implementing this on a global scale, including innovative applications like CarbonSig.

Speakers:

Travis Caddy Associate, Evident Nicholas Gogerty Managing Director, Carbon Finance Labs Mourad Dahbi Chairman, Energroup

10.00 - 10.30

COFFEE BREAK OFFERED TO YOU BY



10:30 – 11:30 SESSION 7A GRAND BALLROOM	10:30 – 11:30 SESSION 7B THONBURI ROOM	
Driving Renewable Markets with Public-Private Partnerships	EAC Registries and Marketplaces—More than just an IT Solution	
Collaboration across governments, development partners, utilities, and the private sector is playing an key role in spurring new renewable energy generation across ASEAN and beyond. This session will bring together speakers that are leading public-private collaboration in the clean energy space, and explain how stakeholders can engage with them on driving increased clean energy generation and procurement.	Credible EAC instruments start with the development of robust standards, their integration into local policy environments; and yes, they require digital infrastructure to support credible data management. The development of advanced registry environments and blockchain- backed trade platforms can and will help the market to grow. However, IT-centric solutions often overlook the critical role of policies and standards in the broader EAC ecosystem. It will cover key topics for emerging solution providers to consider when developing new tools and	
Roble Poe Velasco-Rosenheim Regional Director ASEAN, The I-REC Standard Foundation Peter du Pont Co-Founder and Co-CEO, Asia Clean Energy Partners	will explain different ways for them to get involved in the EAC space. While this session is designed for technology experts and blockchain enthusiasts, it will also support governments in assessing the pros and cons of developing	
Scott Bartos Regional Energy Advisor in the Regional Development Mission for Asia, USAID Malchutar Kingnet Head Renewable Energy Business	internal IT solutions to support tracking, settlement, and market transactions for EACs.	
Section, EGAT	Speakers: Jared Braslawsky Executive Director, The I-REC Standard Foundation Ed Everson CEO, Evident Toby Ferenczi CEO and Co-Founder, Granular Doug Miller Deputy Director, Market & Policy Innovation,	

12:00 – 13:00 KEYNOTE SESSION 8 GRAND BALLROOM

A Future Vision for EAC Markets

End-users around the world—ranging from corporations to households—have made it clear that the demand for clean energy is here to stay. The question is no longer whether it is possible to select clean power products, but which ones are the best, which markets are making them most readily available, and how governments, generators, and consumers alike can drive deeper impact. This closing panel will bring high-level executives and government representatives together to discuss what is coming next, how clean energy markets are affecting foreign direct investment planning, and how countries across the region are reimaging a high-yield, low-carbon development future together.

Clean Energy Buyers Institute (CEBI)

Speakers:

Adam White Secretary-General, RECS Energy Certificate Association Tom Lindberg CEO, ECOHZ Dirk van Evercooren Chair of I-REC Standard Foundation Board Liesbeth Switten Secretary-General, Association of Issuing Bodies (AIB)

13.00 - 14.30	LUNCH OFFERED TO YOU BY	STX
19.00 - 21.00	BOAT TOUR ON THE CHAOPHRAYA RIVER OFFERED TO YOU BY	REC STANDARD



SPONSORS

Co-hosting Organizer



The Electricity Generating Authority of Thailand (EGAT) has taken up the mantel of Co-hosting Organizer for the I-REC Standard Conference 2022. EGAT is Thailand's leading state-owned power utility under the Ministry of Energy. They are responsible for electric power generation and transmission for the whole country, as well as bulk electric energy sales in Thailand. EGAT has been the approved I-REC(E) Issuer in Thailand since August 2020 and has worked with the I-REC Standard Foundation on developing a transparent, reliable, and robust system for energy attribute tracking in Thailand while being an inspiring example for Southeast Asia. Visit www.egat.co.th/home/en/about-egat

Platinum Sponsor

r e 🖉 c c

ReAcc has taken on the Platinum Sponsor role in support of the I-REC Standard Conference (ISC) 2022. ReAcc makes it easy for electricity users to access clean energy. They do so by streamlining the clean energy sourcing challenges faced by multinational corporations. ReAcc is an end-to-end service launched by PTT Public Company Limited (a Thailand-based multinational energy company) that provides commercial-grade, blockchain-based solutions to facilitate renewable energy procurement offering various products such as energy attribute certificates, power purchase agreement (PPA) and green electric vehicle charging. Through ReAcc, PTT strives to enable sustainable economic and social growth for Thailand. Visit www.pttplc.com. For more information on ReAcc, visit: www.reacc.io

Gold Sponsor



ACT Commodities Group (ACT) has taken up the Gold Get Together Sponsorship for the I-REC Standard Conference (ISC) 2022. ACT is the world's leading provider of market-based sustainability solutions. Working at the center of the global energy transition, ACT helps organizations hit their climate action targets, no matter how ambitious. Since 2009, ACT has become a trusted brand in high-impact climate projects, renewable energy markets, energy efficiency, renewable fuels, and carbon credits. ACT delivers tailor-made solutions from offices in Amsterdam, New York, Shanghai, and Paris, enabling its partners to join the environmental revolution and pursue more sustainable futures. Visit: www.actcommodities.com

Gold Sponsor



Simplifying the path to net zero

For over two decades, Ecohz has pioneered the world of renewable electricity. Harnessing that experience, we work to facilitate companies' journey to net zero by tailoring sustainability solutions.

Our environmental toolbox comprises documented renewable energy, carbon credits, biogas, and digital platforms. But more than putting tools at your disposal, we offer a unique blend of expertise and advise you every step of the way. In short, we are here to make decarbonisation easy because we believe that simplicity enables urgent climate action – and that what is good for the planet is good for your business too. Visit: www.ecohz.com

Silver Sponsor

STX

STX Group (STX) has pledged to take up the Silver Lunch Sponsorship for the I-REC Standard Conference (ISC) 2022. STX is an expert at providing market access and creating liquidity in the dynamic, yet illiquid, environmental commodities markets. As the pioneering market entrant, STX's international team is uniquely positioned to consult on the dynamics of both local and macro-European, and Global markets. This enables STX to offer their clients, whether Renewable Generators or Industrials, Utilities, or Corporates bespoke solutions and deal structures to achieve their voluntary and compliance targets. Visit www.stxcommodities.com

Silver Sponsor



3Degrees has pledged to take up the Silver Coffee Break Sponsorship for the I-REC Standard Conference (ISC) 2022 that will take place on 1 and 2 November in Bangkok, Thailand. 3Degrees makes it possible for businesses and their customers to take urgent action on climate change. For over 15 years, we've provided tailored renewable energy and decarbonization solutions to Fortune 500 companies and other organizations worldwide and helped them source high-quality, country-specific renewable energy products around the globe. An award-winning B Corp, 3Degrees has experience in over 65 countries and has supported more than 2,000 facilities. Together with our customers, 3Degrees helps develop and implement creative solutions that ensure environmental integrity and make good business sense. The company is CDP's global provider of renewable energy. Visit www.3degreesinc.com



MEETING SPONSORS

() ClimatePartner

ClimatePartner is a solutions provider in corporate, climate action: they combine individual consulting with cloud-based software that is unique on the market and help customers calculate and reduce carbon emissions such as through tailored renewable energy procurement solutions and offset unavoidable emissions. ClimatePartner's mission is to enable holistic corporate climate action and they work with more than 5,000 companies in 35 countries assisting clients in their global green energy procurement strategies and in sourcing the environmental products needed (GOs, I-RECs, RECs, VERs) to reduce their corporate carbon footprint. Visit www.climatepartner.com/en



EKI Energy Services Limited is a Bombay Stock Exchange (BSE) listed company offering strategic solutions to businesses and organizations globally to achieve their climate ambition. Contributing significantly to the development of a climateresilient global economy, the company offers strategic and profitable solutions to organizations globally for their carbon asset management – including carbon credit generation, supply, and offsetting.

EKI Energy Services Ltd. was founded in 2008, the company is today a leading Carbon Credit Developer & Supplier in the World. EKI delivers consultancy services for global carbon offset standards like CDM, VCS, Gold Standard (GS), GCC, IREC, TIGR, and GES across its offerings on climate change, energy, and sustainability. The company's offerings include Carbon Asset Management, Carbon Credit Trading, Carbon Footprint Management, Sustainability Audits, Carbon Neutrality, Nature-Based Solutions, and community upliftment projects. Visit www.enkingint.org

Green Power Hub

GreenPowerHub (GPH) has taken up the role of Meeting Sponsor for the I-REC Standard Conference (ISC) 2022. GPH, the global renewable energy trading network, is a Norwegian company launched in 2019 and has established itself as the leading platform for EAC trading. GreenPowerHub believes that trading I-RECS and other EACs should be easy. With the launch of I-RECS as a tradable commodity in January 2022, GPH has seen members joining from all over the world. GPH has over 320 registered companies, and more than 15000 renewable interests have been placed since launch. Its mission is to develop and run a worldwide market-leading network for renewable energy trading, where the counterparts share the same possibilities to access good trading opportunities, using a cost-efficient and user-friendly solution. Visit www. greenpowerhub.com

South pole

South Pole has taken up the role of Meeting Sponsor for the I-REC Standard Conference (ISC) 2022. South Pole helps clients address climate change impacts while mitigating risk and creating value on their renewable energy journeys. It provides comprehensive renewable energy advisory services, which include developing renewable sourcing strategies, implementing power purchase agreements (PPAs) and on-site renewables, and providing credible energy attribute certificates (EACs). With its global Climate Solutions platform, South Pole develops and implements comprehensive strategies that turn climate action into long-term business opportunities for companies, governments, and organizations around the world. South Pole is a proud member of the UN Global Compact, is certified as a registered B Corporation in the United States and Australia, and is committed to becoming a B Corp globally. South Pole's team of 700+ experts in more than 23 offices and representations around the world includes engineers, consultants, scientists, project developers, and finance experts. Visit www.southpole.com

S&P Global Commodity Insights

S&P Global Commodity Insights is a Meeting Sponsor for the ISC 2022. S&P Global provide a complete view of global energy and commodities markets that enables its customers to make decisions with conviction and create long-term, sustainable value. S&P Global is a trusted connector that brings together thought leaders, market participants, governments, and regulators to co-create solutions that lead to progress. Vital to navigating Energy Transition, S&P Global Commodity Insights coverage includes oil and gas, power, chemicals, metals, agriculture and shipping. With every one of S&P Global's offerings, it helps many of the world's leading organizations navigate the economic landscape so they can plan for tomorrow, today. Visit www.spglobal.com/en/

SUPPORTING ASSOCIATIONS



Evident.









For the latest information, please see www.irecstandard.org/isc-2022-program





The I-REC Standard Foundation is a non-profit organization that provides a robust standard for developing attribute tracking systems.

I-REC Standard Foundation De Mortel 2D 5211 HV 's-Hertogenbosch The Netherlands

www.irecstandard.org

