

EU ETS – Participation in the auctions and outlook secondary market

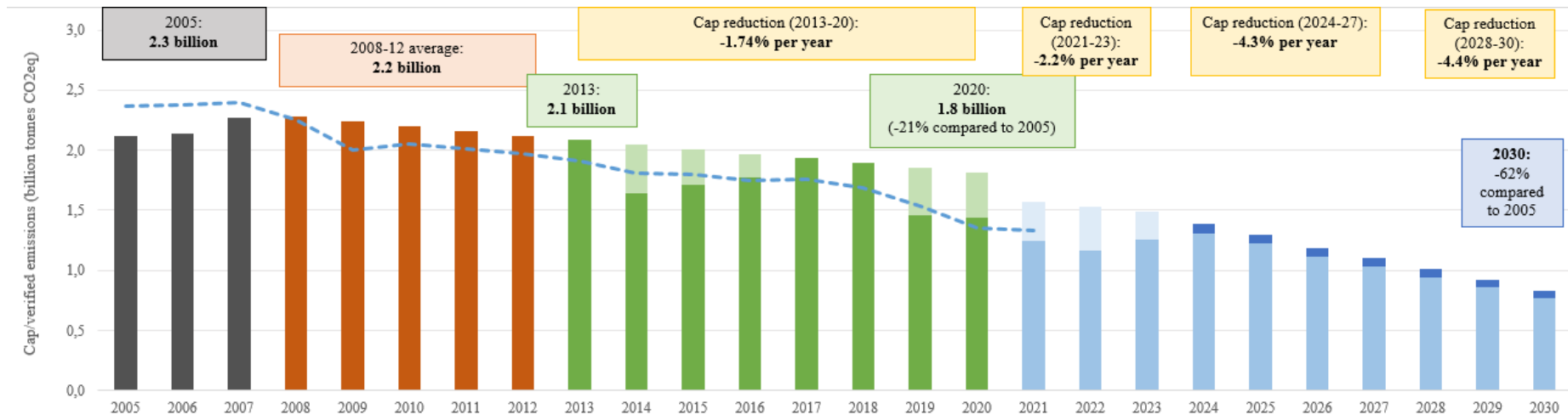
06/07/23

Agenda

1. EU ETS
2. EEX as common auction platform
3. Auction participation
4. Auction process
5. Secondary Market
6. Intermediaries
7. Q&A

1) EU ETS

- The EU Emissions Trading System (EU ETS) sets an overall limit (the “**cap**”) on the GHG emissions for the sectors included (currently power, industry, aviation). The cap **decreases every year**, ensuring that total emissions fall.
- One emission allowance gives the holder the right to emit **1 ton of CO₂** (equivalent).
- Within the cap, companies receive or buy emission allowances, which they can **trade** as needed.



1) Auctioning - Background

- **A transparent method** for allocating emission allowances that allows participants to acquire the allowances concerned at **market price**
- **The default method** of allocating allowances since 2013 (so-called phase 3 of the EU ETS). Up to **57%** of the allowances allocated through auctioning.
- The proportion of allowances businesses have to buy through auctions is **increasing**.
- The exact **auctioning volume**:
 - Determined annually based on the provisions of the ETS Directive.
 - May also be impacted by the functioning of the Market Stability Reserve.

1) Auctioning – Relevant Legislation

- | | |
|--|----------------------|
| <ul style="list-style-type: none">▪ ETS Directive▪ Auctioning Regulation | Environmental |
| <ul style="list-style-type: none">▪ Joint Procurement Agreement▪ Common auction platform (CAP3) contract with Annexes<ul style="list-style-type: none">▪ Escrow and custody agreements▪ Clearing conditions, as part of contractor's tender | Operational |
| <ul style="list-style-type: none">▪ Since 2018, emission allowances are classified as financial instruments under the Markets in Financial Instruments Directive (MiFID).▪ Financial rules are applicable to emission allowances, in particular:<ul style="list-style-type: none">▪ Market Abuse Regulation (MAR)▪ Anti-Money Laundering Directive (AMLD)▪ Settlement Finality Directive▪ Regulation on OTC Derivatives, Central Counterparties and Trade Repositories (EMIR) | Financial |

1) Auctioning – The Auction Platform

- 28 countries (25 EU Member States and 3 EEA/EFTA countries) auction their allowances on the common auction platform. To this end, they have signed a **Joint Procurement Agreement**
- Currently, the **European Energy Exchange (EEX) in Leipzig is the common auction platform.**
- **Germany and Poland** have opted-out of the common auctioning platform. Germany has nominated EEX as its opt-out platform, while Poland is using the common auction platform (EEX) to auction its allowances until further notice.

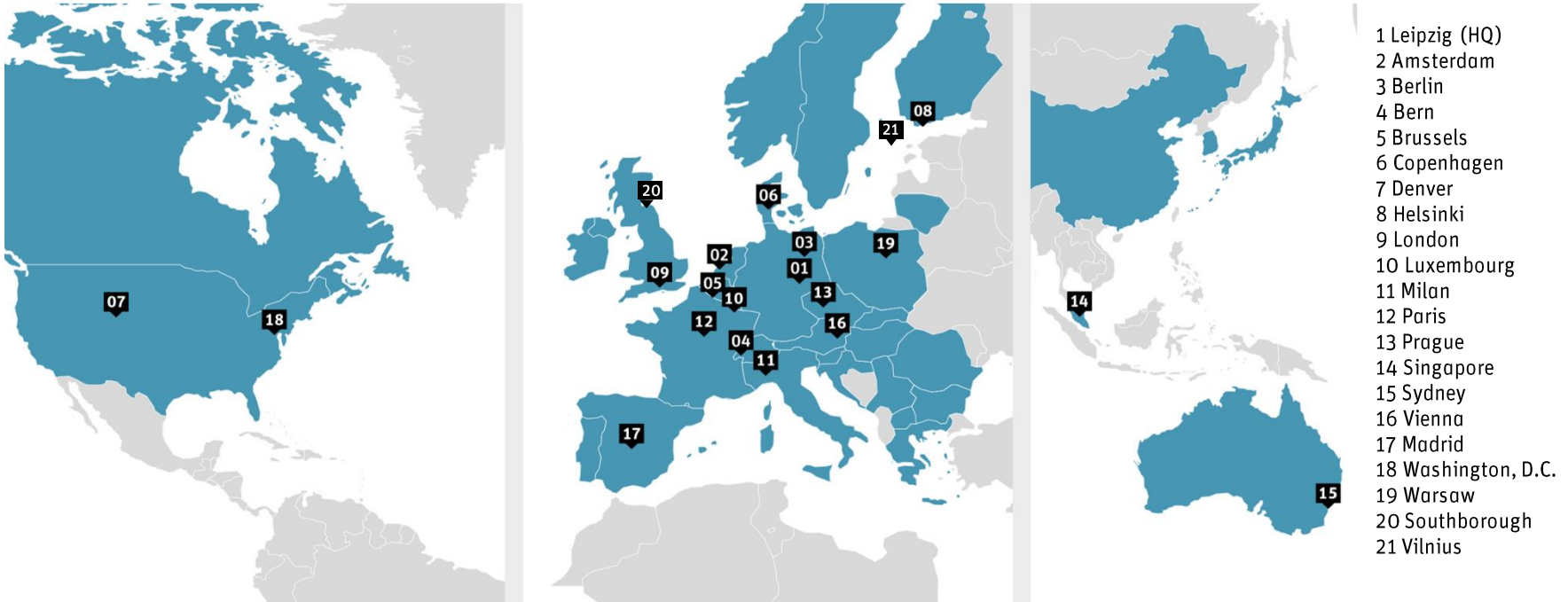
2) EEX as common auction platform - Who is EEX?

- EEX Group builds secure, successful and sustainable commodity markets worldwide – together with its customers
- The group offers trading in power, natural gas, environmental products, freight and agriculturals as well as clearing, registry and other services
- EEX Group consists of European Energy Exchange (EEX), EPEX SPOT, EEX Asia, GET Baltic, Power Exchange Central Europe (PXE) and Nodal Exchange as well as the registry provider Grexel Systems and software companies KB Tech and Lacima. Clearing is provided by EEX Group's clearing houses European Commodity Clearing (ECC) and Nodal Clear.
- Shareholders:
 - EEX is part of Deutsche Börse Group (75.05%)
 - 3 Saxon Shareholders, e.g. State of Saxony (7.94%)
 - 12 Minor shareholders from industrial, energy and financial companies (17.03%)



2) EEX Group - A global commodity exchange

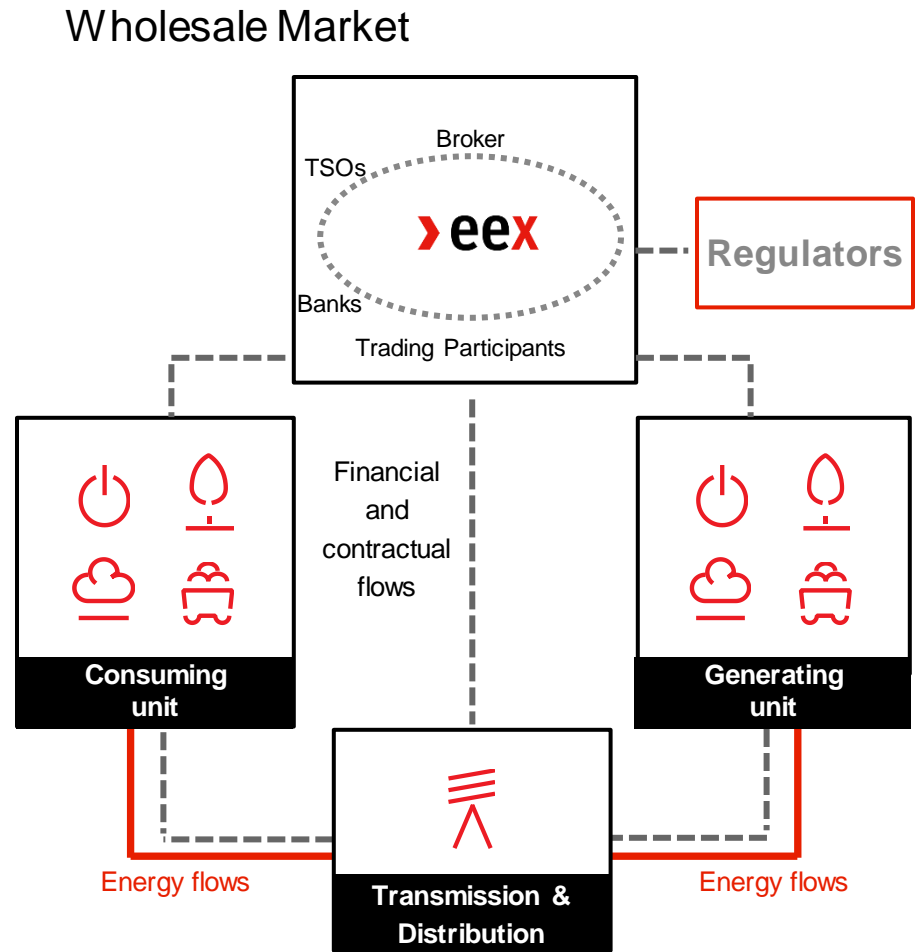
- EEX Group currently operates **21 offices** in 8 time zones across 4 continents providing **support and expertise for our clients** and partners with local staff and regional focus



- More than 800 Trading participants from 41 countries
- Number 1 in power trading worldwide
- More than 2,500 Emissions Auctions in the EU ETS

2) Importance of Exchange Trading

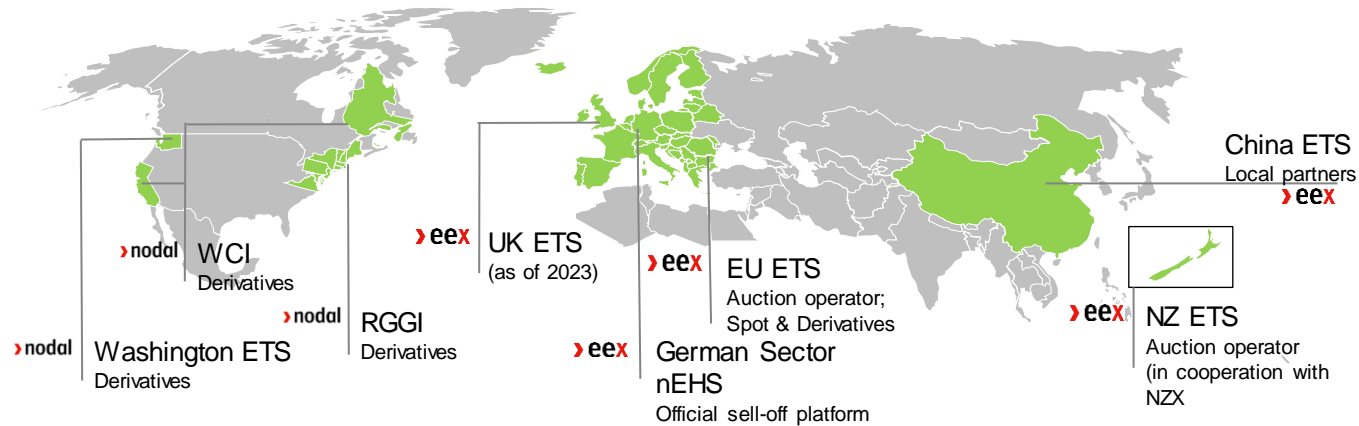
- Creating **transparency** through recognised reference prices and the publication of market data (prices and volumes)
- Access to a large number of trading participants and **concentrating liquidity** at one trading platform
- Very high degree of **automation** on account of electronic and **standardised trading and settlement processes**
- **Elimination of the counterparty risk** through clearing and settlement via the clearing house of the exchange
- The anonymity of exchange trading and the regulation of the market ensure **non-discrimination and equal treatment** of all trading participants



2) EEX's involvement in Global Carbon Markets

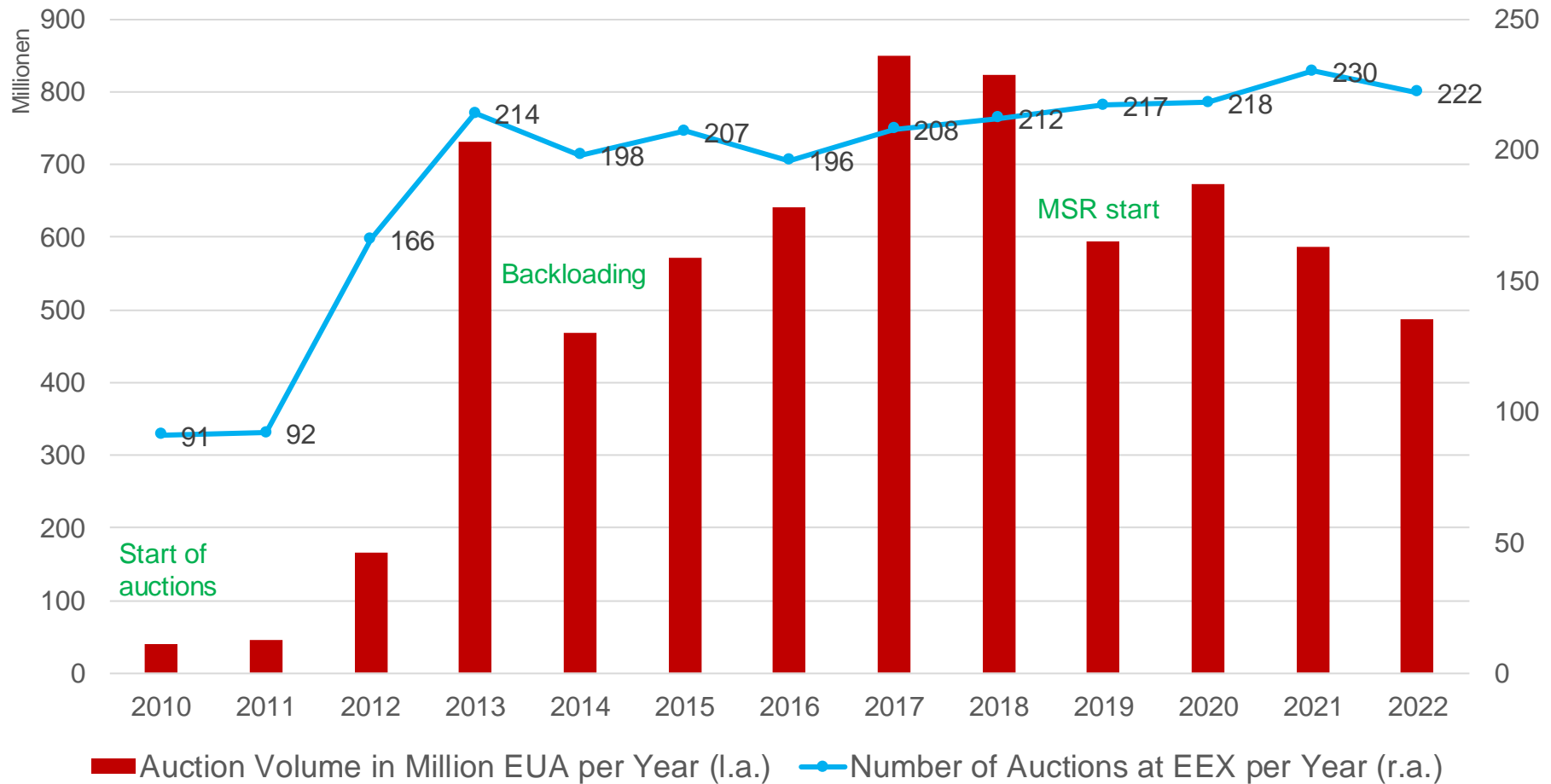
We develop and operate market infrastructure (**auctions, secondary market, clearing, registry**), with proven track-record of successful cooperation with governments and clients alike

Global product offering of EEX Group



compliance markets	 EU ETS	- Exclusive auction hosts for all EU governments, operating auctions on almost daily basis - Secondary Market (Spot, Futures, Options)
	 German nEHS	- Official sell-off platform for German Fuel ETS (transport, heat sectors)
	 UK ETS	- Secondary Market as of 2023
	 Western Climate Initiative (WCI)	- Futures & Options , as well as other Environmental Markets (RECs, RINs, SO2/NOx)
	 RGGI	- Futures & Options for the Regional Greenhouse Gas Initiative
	 Washington ETS	- Futures & Options , launched in December 2022
	 NZ ETS	- Auction operator in partnership with New Zealand Exchange (NZX)
	 China ETS	- Cooperation with partners (CBEEEX Beijing, CNEEEX Shanghai, CEEX, GFEX Guangzhou)
 Voluntary Carbon Market	- Dedicated VCM product suite (CORSIA-eligible, Nature-based, Removal, GER basket contract) - listed at Nodal (since June 2022) and EEX (in the future)	

2) EEX auctions for the EU ETS

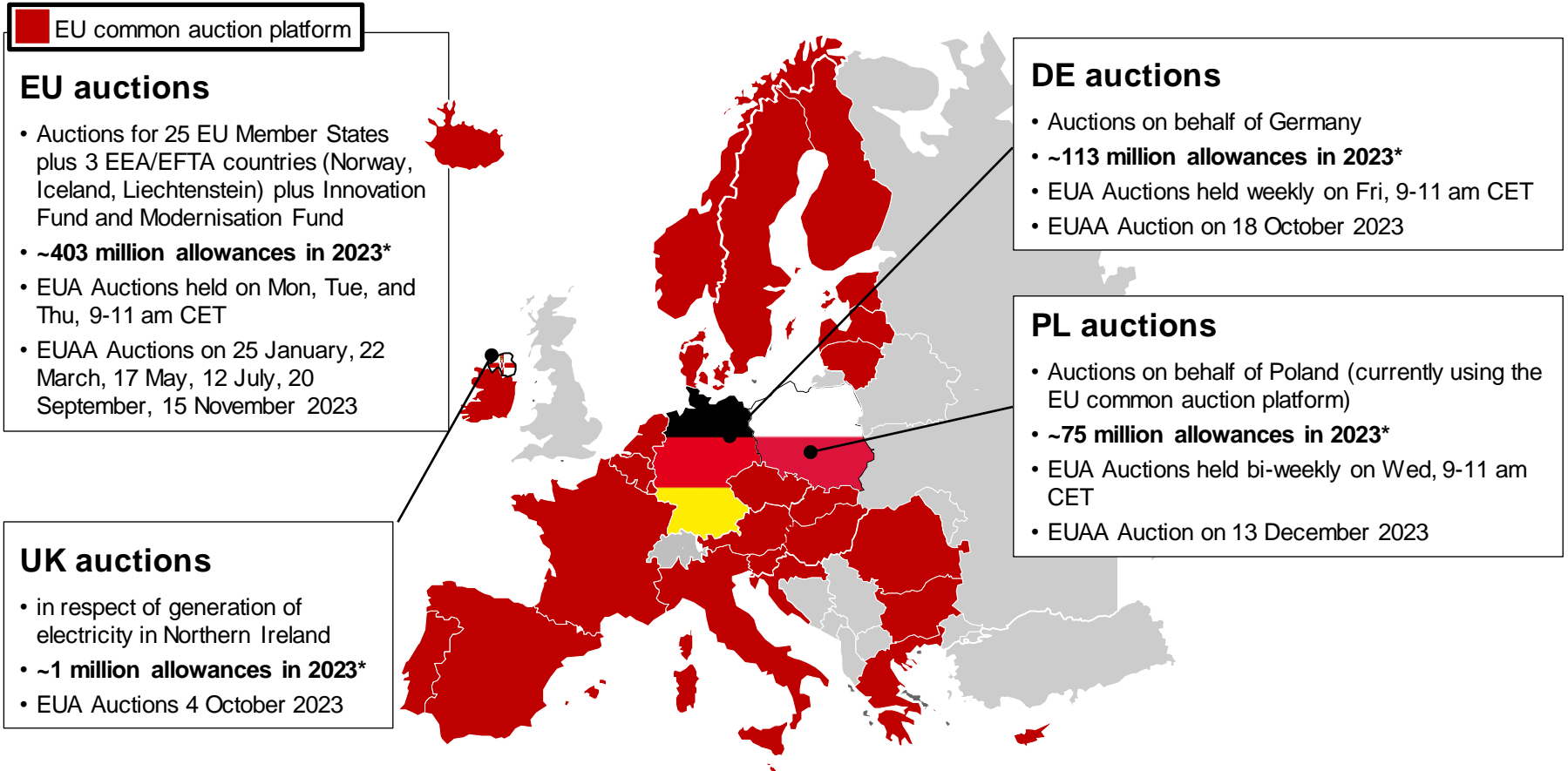


➔ 2,500th successful auction on 13th March 2023 (+ 12 cancelled auctions)

2) EU ETS Auctions timing and volume 2023

To be auctioned by EEX in 2023: up to ~592 million EUA* and ~5 million EUAA

EU ETS States are the sellers of the allowances. They appoint an auctioneer to sell on their behalf and appoint an auction platform which is responsible for conducting the auctions.

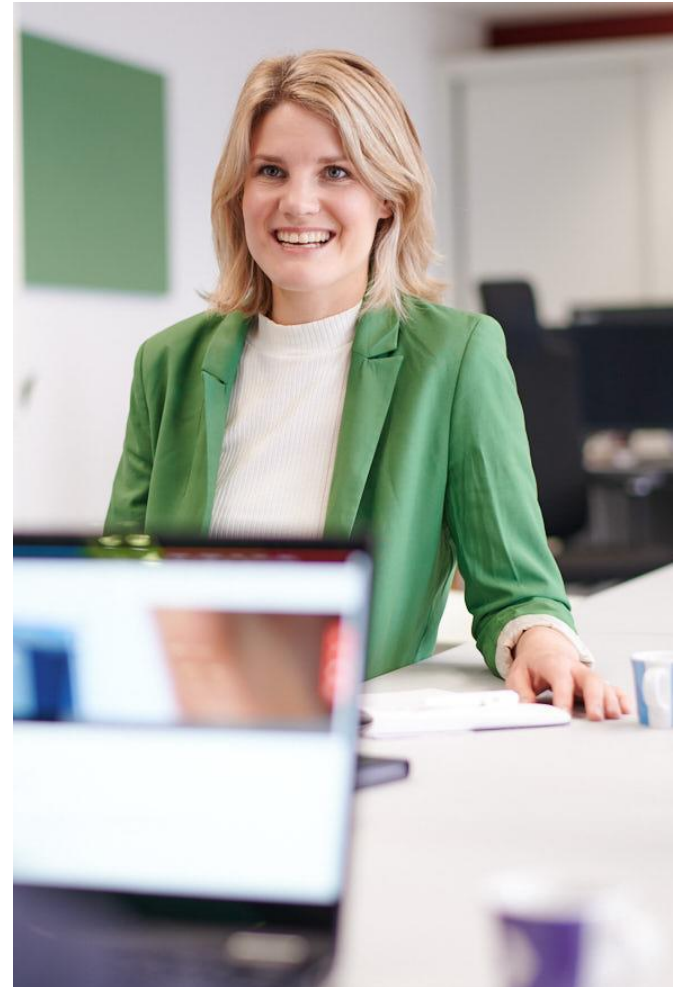


3) Auction participation - Why participate in Emissions Auctions?

- Auctioning is the default method of allocating allowances within the EU Emissions Trading System (EU ETS) → this means that companies liable under the EU ETS have to buy a proportion of allowances (European Union Allowances (EUAs) and EU Aviation Allowances (EUAAAs)) through auctions
- Auctioning is an open, transparent, harmonised and non-discriminatory process (see [Auctioning Regulation](#))
- Advantages to participate in EUA/ EUAA Auctions at EEX:
Unique access to emissions auctions on mostly 5 days/week, covering 100% of European auction volume plus continuous trading on one single exchange
 - Variety of direct and indirect access options offered
 - Strong customers focus and personal assistance through our single admission team and offices in 21 locations
 - Fair and transparent price formation
 - Potentially lower fees than on the OTC and secondary market
 - Small discount to the secondary market price is possible

3) Auction participation - Who is eligible to bid in Emissions Auctions?

- Eligible participants according the EU Auctioning Regulation are:
 - Compliance buyers (operators of stationary installations, aircraft operators)
 - Investment firms and credit institutions
 - Business groupings of compliance buyers
 - Other intermediaries specifically authorised by the home Member State
- These participants have to fulfil admission requirements according to EU and EEX rules, i.a.:
 - Establishment in the EU (except for compliance buyers)
 - Hold a nominated holding account in the Union registry (see [details](#))
 - Hold a nominated bank account



3) Auction participation – several ways to participate

Direct Access – bid directly at EEX

A Full Membership/ Power Plus / Gas Plus

B Environmental & Emerging Markets Membership

Emissions: Auctions and Secondary Market

C Auction-Only Membership - System

Emissions: Auctions via Auction System

D Auction-Only Membership - Helpdesk

Emissions: Auctions via Market Operations

Contact:

Admission Team

Member Readiness

Phone: +49 341 2156 261

E-mail: memberreadiness@ecc.de

Sales Emissions

Phone: + 44 207 862 7555

E-mail: sales@eex.com

or your Key Account Manager

Market Operations (Helpdesk)

Phone: +49 341 2156 222

E-mail: sales@eex.com or auctions@eex.com

Eikon-ID: eex-trading@eex.com

Indirect Access – bid via an intermediary

Intermediaries are eligible to bid on own behalf and on behalf of clients in accordance with Article 18 of the [Auctioning Regulation](#). Currently the following companies offer to bid on behalf of clients in EEX auctions:

E Intermediary

Emissions: Auctions via Intermediaries

www.abnamro.com / www.abnamro.com/clearing

www.actcommodities.com

www.afsgroup.nl

www.gkpge.pl/dom-maklerski

www.viennainvestment.ro

www.zf-bg.com

3) Auction participation - comparison

	A	B	C	D	E
Markets and Products	Full/Power Plus/Gas Plus	Environmental & Emerging Markets	Auction only	Auction only	Emissions: Auctions
Access to the Auction System	Direct	Direct	Direct	Via EEX Helpdesk	Via Intermediaries
One-off admission costs [kEUR]	0	0	0	0	To be negotiated with the Intermediary
Fixed costs in the first year [kEUR]	0	0	0	0	
Fixed costs from the second year on [kEUR/a]	37/ 22/ 20 ^{1,2}	5/ 2.5 ^{1,2}	0 ²	0 ²	
Variable Costs for Primary Auctions [EUR/1,000 allowances]	3.50-4.68	3.50-4.68	3.50-4.68	3.50-4.68	
Criteria to fulfil					
Eligibility criteria (according to Article 18 Auctioning Regulation)	✓	✓	✓	✓	✓
Personal reliability and qualification of Members of the Management Board, Contract with Clearing Member , ECC Approval (Clearing House of EEX), Technical arrangements for settlement	✓	✓	✓	✓	Bilateral agreements with the Intermediary
Personal reliability and qualification of Trader/ Trader Assistants, EEX Admission of at least one trader, incl. EEX Trader examination, Technical arrangements for trading	✓	✓	✓	✗	
Liable equity of at least EUR 50,000	✓	✓	✗	✗	

¹ Memberships: EEX Full: 37 kEUR/a, EEX Power Plus: 22 kEUR/a, EEX Natural Gas Plus: 20 kEUR/a, Environmental and Emerging Markets: 5 kEUR, emissions spot market: 2.5 kEUR/a

² In addition to the fixed costs for the trading membership displayed above, from the second year on, an annual fee for the use of the clearing and settlement systems is charged. The fee is 1,000 EUR/a whereby all revenues with regards to variable clearing fees collected from the respective participant in the respective calendar year, will be credited against the annual fee. Details about all fees are available in the [EEX price list](#) and the [ECC price list](#).

3) Auction participation - steps for direct access

I. Contact and Decision (order of the two bullet points can vary):

- Contact EEX(contact details see slide 15)
- Decide for one of the access options (see slides 15 and 16)

II. Documents and Training:

	A	B	C	D
Fill in the applicable documents (non-sequential)				
Eligibility Form	✓	✓	✓	✓
Application for Admission as Exchange Participant (A01)	✓	✓	✗	✗
Application for Setup / Modification of Exchange Traders/ Trader Assistants (A03)	✓	✓	✓	✗
Application for „Auction only“- Exchange participant (A05a)	✗	✓	✓	✗
Application for „Auction only“- Exchange participant (A05b)	✗	✗	✗	✓
Declaration of Personal Reliability (Board Members) (E01)	✓	✓	✓	✓
Application for Setup / Modification of EEX User IDs (E03)	optional	✗	✗	✗
Declaration of Personal Reliability (Trader/ Trader Assistants) (E04)	✓	✓	✓	✗
Order for Technical Access (T01)	✓	✓	✓	✗
Straight Through Processing (T08)	optional	✗	✗	✗
Application for Admission as Non-Clearing Member (NCM01)	✓	✓	✓	✓
NCM Agreement with the Clearing Member (NCM02)	✓	✓	✓	✓
Know Your Customer Questionnaire (Group_KYC)	✓	✓	✓	✓
Application for approval as a Trading Participant (TP)	✓	✓	✓	✓
VAT Details (TP07)	✓	✓	✓	✓
Take the training incl. examination	✓	✓	✓	✗

III. Confirmation of EEX/ ECC and Bidding/ Trading

4) Auction process - overview

* Delivery between the Intermediary and his client, if applicable, is to be agreed bilaterally.

9:00-11:00 am CET	~11:01 am CET	~11:05 am CET	Auction Day + 1 ECC Business day	Upon Request
<p><u>Bidding window:</u></p> <ul style="list-style-type: none"> • Products: <ol style="list-style-type: none"> T3PA (Spot EU Allowances for Phase 4 of the EU ETS, lot size: 500 EUA) EAA3 (Spot EU Aviation Allowances for Phase 4 of the EU ETS, lot size: 500 EUAA) • Bids could be submitted, modified and withdrawn during the bidding window • Bids could be submitted directly in the Auction System (see Video Tutorial) or indirectly via EEX Helpdesk or via Intermediary • Bids are submitted without seeing other participant's bids 	<p><u>Determination of the auction clearing price:</u></p> <ul style="list-style-type: none"> • Bids are sorted in descending order of the price bid • Tied bids are sorted through random selection according to an algorithm • Bid volumes are added, starting with the highest bid • The price at which the summed up bid volumes match or exceed the volume of allowances auctioned sets the auction clearing price for all successful bidders <p><u>Publication:</u></p> <ul style="list-style-type: none"> • Main Auction Results in the Auction System and on the Website 	<p><u>Publication:</u></p> <ul style="list-style-type: none"> • Detailed Auction Results on the Website (link to the dedicated auction website) 	<p><u>Payment:</u></p> <ul style="list-style-type: none"> • From the Clearing Member of a Trading Member to ECC • From ECC to the Auctioneer <p><u>Delivery (internal):</u></p> <ul style="list-style-type: none"> • Transfer of allowances within the ECC Union Registry Account from the Auctioneer (Seller) to the Trading Member (potentially an Intermediary*) having been successful in the Emissions Auction (Buyer) 	<p><u>Delivery (external):</u></p> <ul style="list-style-type: none"> • Transfer of allowances from the ECC Union Registry Account to the Union Registry Account of the Trading Member

4) Auction process – clearing price

Example: Auction for 1 million EUAs

Order book

after close of bidding window phase

Bidder	Price	Volume
A	82.00 €	500,000
B	86.00 €	600,000
C	84.00 €	300,000
D	85.00 €	800,000
E	85.00 €	500,000
F	95.00 €	10,000
Total		2,710,000



Order book

sorted by price

Bidder	Price	Volume
F	95.00 €	10,000
B	86.00 €	600,000
D	85.00 €	800,000
E	85.00 €	500,000
C	84.00 €	300,000
A	82.00 €	500,000
Total		2,710,000

Allocation
10,000
600,000
*390,000
0
0
0
1,000,000

- Bids are sorted in descending order of the price bid
- Tied bids are sorted through random selection according to an algorithm
- Bid volumes are added, starting with the highest bid
- The price at which the summed up bid volumes match or exceed the volume of allowances auctioned sets the auction clearing price for all successful bidders
- In the example the volume is allocated at an auction clearing price of 85.00 € per allowance
- Bidder “D” sets the price for all bidders, being the last successful buyer
- More than one bidder on clearing price: *random distribution of rest volume to one bidder





4) Auction process – cancellation

- An auction will be cancelled under certain **conditions**:
 - a) Total volume of bids falls short of the volume of auctioned allowances (Art. 7(5) Auctioning Regulation)
 - b) If the auction clearing price is significantly under the secondary market price (Art. 7(6) Auctioning Regulation)
 - c) Technical problems occur or are likely to occur (Art. 9 Auctioning Regulation)

- If an auction is cancelled, the following **procedures** will apply:
 1. Immediate information of market participants by EEX
 2. Re-adjustment of the auction calendar
 3. Auction volume will be evenly distributed over the next four (in case of EUAAs: two) scheduled auctions

4) Auction process - During the auction

Screenshot auction system

	2624	Auction 4. Period DE T3PA		1 939 500	09:00 (02.06.2023)	11:00 (02.06.2023)	 PUBLISHED	▶	
	2623	Auction 4. Period CAP3 EU	T3PA	2 409 000	09:00 (01.06.2023)	55:37	11:00 (01.06.2023)	 RUNNING	▼

Auction Details ▼

Name **Auction 4. Period CAP3 EU** Product **EUA Primary Auction IV. Period (T3PA)** Quantity **2 409 000** Phase **RUNNING** Opening **01.06.2023 09:00**



Closing **01.06.2023 11:00**

Auction Configuration ▼

Algorithm **Price / Random** Minimum Price **0.01 EUR** Settlement Start **T+1** Smallest Quantity Unit **500** Maximum Bid Size **No Limit**

Auctioneer Data Matrix ▶

[Download Reports](#)

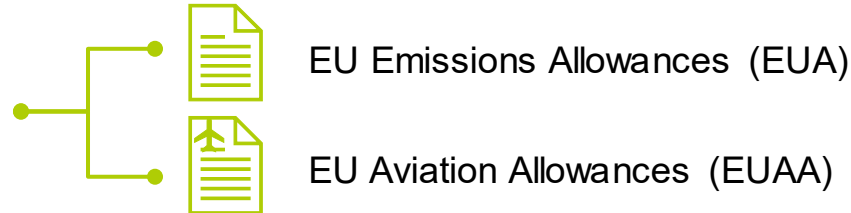
	2622	Auction 4. Period CAP3 EU	T3PA	2 409 000	09:00 (30.05.2023)	11:00 (30.05.2023)	 FINISHED	▶
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[Link to Auction System Tutorial](#)

[Link to Auction Website](#)

5) Beyond auctions: Secondary market overview

Transact on the leading exchange for European power in carbon emission allowances under the EU Emissions Trading Scheme (ETS), the largest environmental market in the world.



- Auction, spot, futures and options
- Comprehensive product suite along the curve
- Carry-trade and time-spread trading available

- Global trading audience
- All major brokers supported
- Multiple connectivity solutions
- Competitive transaction fees and schemes
- Efficient and free delivery process

Physical delivery via ECC

- **Streamlined** physical delivery process with efficient direct interface to participant firms
- **Same-day** physical transfer via registry transfer available
- **Seamless** delivery handling across primary and secondary products
- **Free** of charge

5) Beyond auctions: Secondary market products

EEX offers all major trading instruments in the EU Emissions Trading Scheme (ETS)

Since 2005 EEX is operating trading in Emissions secondary markets. By that, it provides all necessary tools for market players to maintain their trading and hedging needs.

Secondary Market

Spot trading with T+1 delivery

EU Allowances (EUA)

EU Aviation Allowances (EUAA)

Futures trading with T+2 delivery after expiry, incl. related spreads

EU Allowances (EUA)

EU Aviation Allowances (EUAA)

Options trading on Futures

EU Allowance (EUA) Dec-Futures



TRADING TECHNOLOGIES

- State-of-the-art trading infrastructure
- Covers all EEX Futures plus Emissions spot
- Fully browser-based, platform independent
- Automatic and Algo trading, individual spreads

(all other major ISVs supported)

5) Beyond auctions: Secondary market outlook

EEX is working on various changes and additions to its secondary markets offering and beyond

Markets

- EU ETS: Maritime sector inclusion
- UK ETS
- German nEHS

Products

- EUA/EUAA fungibility
- Options enhancements
- Clean spark and clean power spreads

Services

- Touchpoint
- EUA as collateral
- Onboarding improvements
- High frequency trading (T7 co-location)

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Contact IncubEx:

Richard Wilson

E-mail:

richard.wilson@theincubex.com

6) Intermediaries

Presenting today:

- ABN AMRO Bank N.V.
- ACT Financial Solutions B.V.
- AFS Equity & Derivatives B.V.
- PGE Brokerage House S.A.

Other Auction Intermediaries

- ABN AMRO Clearing Bank N.V.
- S.S.I.F. Vienna Investment Trust S.A.
- Zagora Finacorp AD

ABN AMRO Group

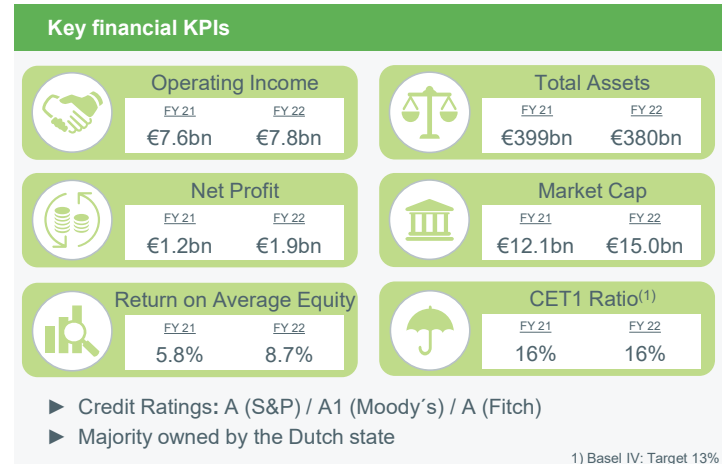
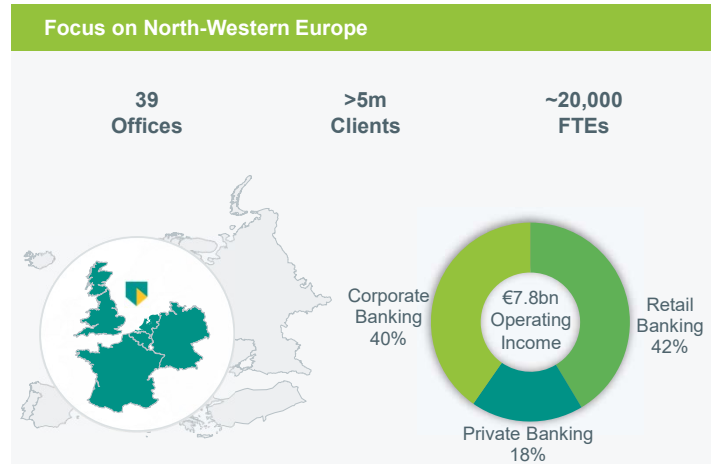
EU-ETS Market Offering

Banking for better, for generation to come.

EEX Webinar 07.06.2023

ABN AMRO Bank N.V. – Corporate banking at a glance

Go-to bank focusing on clients in our current sectors of strength and leading transition themes of the future.



Our purpose and strategy

Our purpose
Banking for better, for generations to come

Our strategy
A personal bank in the digital age

Our strategic pillars are guiding principles in acting on our purpose:

- Customer experience**
A personal bank in the digital age, for the resourceful and ambitious
- Sustainability**
Distinctive expertise in supporting clients' transition to sustainability
- Future proof bank**
Enhance client service, compliance and efficiency

What makes us different?

- ABN AMRO is a sector-driven bank with a dedicated focus on three strategic transition themes:
 - Energy Transition** – focus on full energy transition value chain with a focus on emerging technologies
 - Mobility Transition** – focus on multi-modal e-commerce, electrification/alternative propulsion and sharing & fleets
 - Digital Transition** – focus on the mega trends (e.g. 5G, IoT, data storage) and platformisation
- **Strategic sector coverage of Real Estate, Dutch Link (Food & Retail), and Financial Institutions**

Figures exclude group functions

ABN AMRO Group – EUA solutions

Solutions & advantages



Spot

instant access
to EUAs



Forwards

flexible &
no liquidity impact



Futures

low cost &
no counterparty risk



Repo

carry / monetise
EUAs

- 1) Subject to no-CSA arrangement
- 2) 100% subsidiary of ABN AMRO Bank; no trading mandate.
- 3) EEX; trading membership in process

OTC | ABN AMRO Global Markets

Spot

- access to EUA auctions & secondary spot markets
- Registry settlement T+1
- available Q3 '23

Forwards

- payment & delivery at a time of preference
- no¹ or limited margining
- under ISDA
- available Q1 '24

Exchange Traded | ABN AMRO Clearing²

Spot & derivatives

- Available at EEX & ICE
- Products:
 - spot
 - 'daily futures'
 - auctions³
 - 'monthly' futures
 - options

Repo

- Purchase settled bilaterally, repurchase cleared
- Working capital / cash-and-carry
- Low cost alternative for (long) future & OTC forward, i.e. spot + (same day) repo
- Clients can early repurchase all or part of the EUAs

Liquidity impact mitigation

ABN and/or other banks can mitigate the liquidity impact of exchange solutions:

- margin facility
- margin guarantee / standby-LC

EU-ETS Market contacts at ABN AMRO Group

ABN AMRO Clearing Bank N.V.

Vincent van Lith



European Head
Power-Gas-Carbon Clearing

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ABN AMRO Bank N.V.
Environmental Brokerage

Martin Eichstädt-Krug



Managing Director
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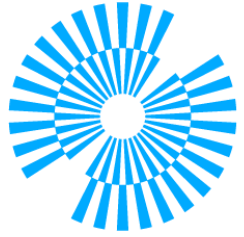
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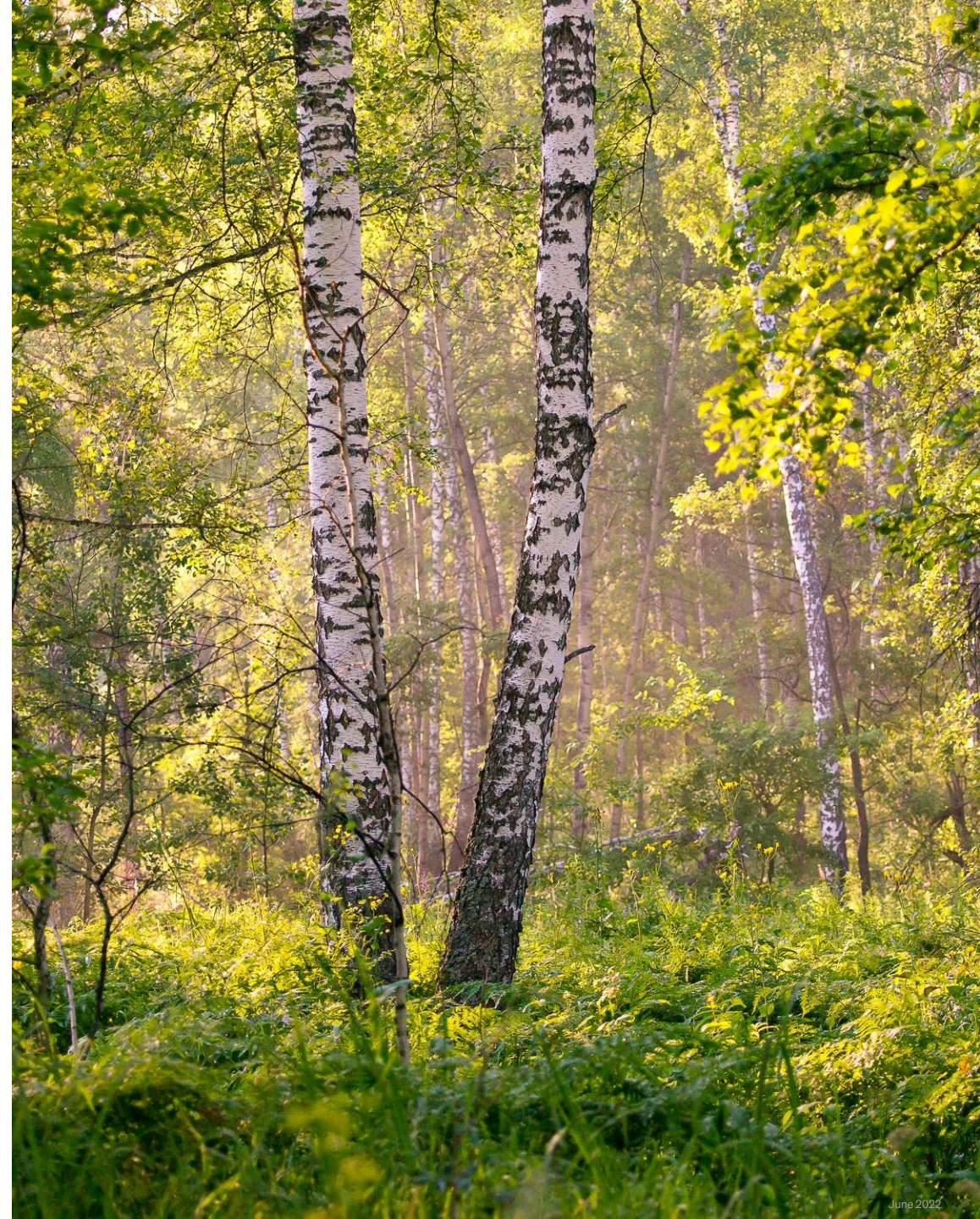
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ACT

**Primary European Union Allowance
(EUA) Auction Access**

Our Financial Solutions

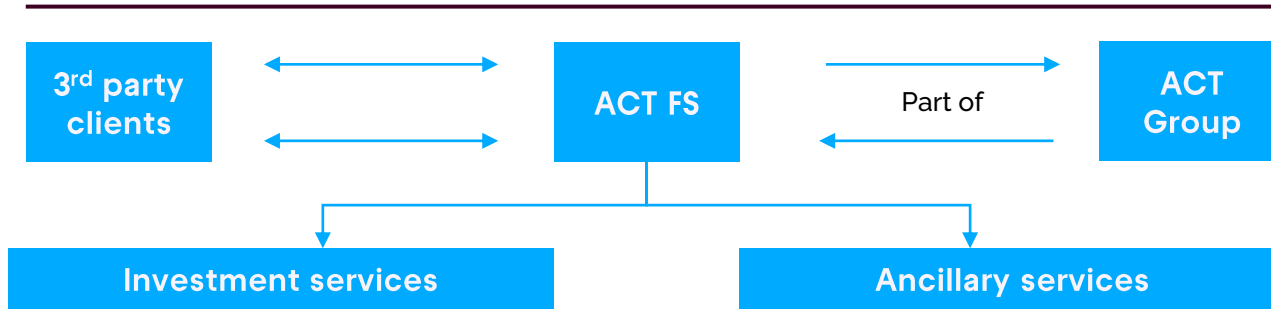




ACT Financial Solutions

Partnering with regulated carbon market experts

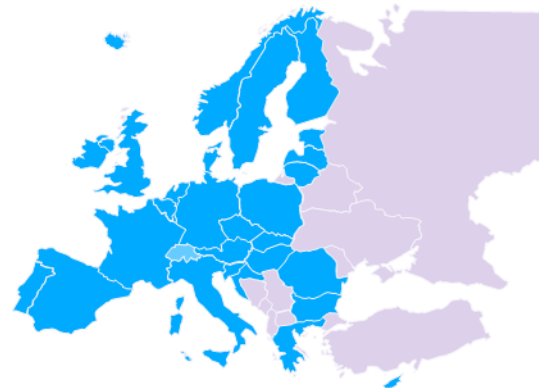
ACT Financial Solutions *Role Under MIFID II*



- Reception and transmission of orders
- Execution of orders
- Dealing on own accounts
- Investment Advice

Emission Allowance Procurement Strategy Recommendations

Safekeeping and administration



Regulatory Implications



License in *31 Countries*



Efficiently comply with regulations and supervision



Fulfilling strict requirements:

- Financial strength
- Accountability
- Client Protection



All of our market experts are *licensed by AFM*



Market Expertise for *Comprehensive Risk Management*

Market Access and Efficient Pricing

Full membership with major exchanges like EEX, ICE, CME, and other exchanges to provide clients with simple access to markets.

We Shape *Environmental Markets*

Always up-to-speed with latest market developments through our global networks and partnerships including membership in IETA, the World Bank Carbon Pricing leadership Coalition, and other environmental market driving organizations.



Carbon Market Expertise

We specialize in helping businesses navigate regulated environmental markets and designing tailor-made solutions to hedge market and compliance risks. Since 2009, ACT has been focused on market-based sustainability solutions. As a result, we have deep product and market knowledge resulting in excellent pricing capabilities.



Global Presence

ACT Financial Solutions is fully licensed and operational in 31 countries covering Europe, Asia, and the Americas. Our carbon market experts are regionally focused with local language and market expertise.



Market Focused Technology

ACT has developed support technology to handle the administration of these complex markets. Additionally, we have developed CerQlar, a SaaS platform focused on providing upside opportunities through automation with client platforms.



Carbon Trading at ACT

ACT Financial Solutions can provide market access to all European carbon markets (EUA, UKA, nEHS, CHU). This is usually done via the secondary market.

Together with EEX, ACT can now also provide direct and indirect access as to the primary EUA market, via the EEX auction process.

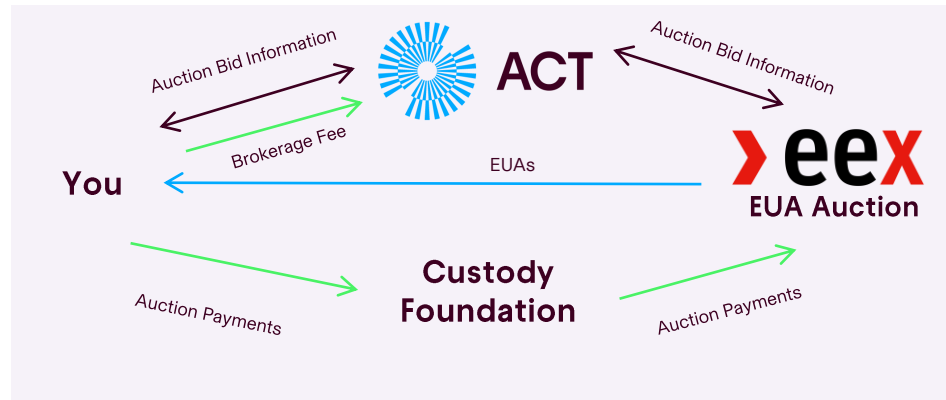
- Both models feature **full price transparency** based on auction prices at EEX
- Very **simple onboarding** procedures and a fast availability (KYC takes 24 hrs)
- **Simple Order Flow:** Via phone or email, no large framework agreements necessary
- Limited availability for direct access due to auction volumes and participation, based on market conditions and demand.
- Fee structure on individual basis, with no hidden costs! Fees will differ between Intermediary (direct) and Counterparty (indirect) models.
- Our **Partner-Network** can also support with all services around the EU-ETS (Consulting, Measurements, Optimization of Subsidies, Balance Sheet Management, Registry Management)



Two Options Primary EUA Auction Access

Our Financial Solutions

Option #1 – Intermediary Access



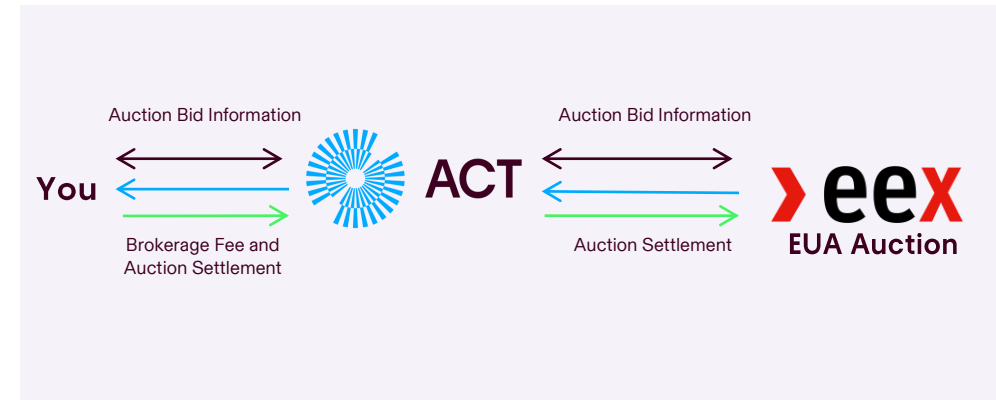
ACT is your intermediary for access to the EEX EUA auction – no direct onboarding with the exchange.

Use the existing network of ACT as financial service provider – no need for a separate clearing entity, no new credit lines, no added complexity.

Safe payment through the safeguarded custody foundation separate from ACT FS.

Safe transfers directly to the endclient, not via ACT

Option #2 – Counterparty Access



You only face ACT Financial Solutions as a counterparty.

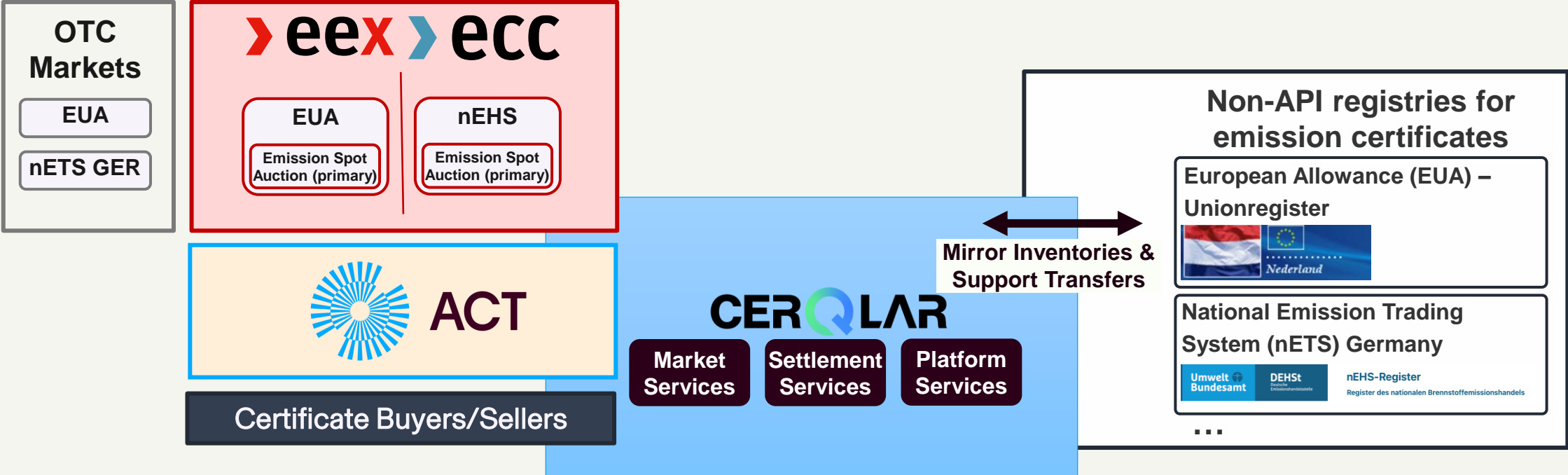
Simple Contracts: Our own single trade agreements suffice

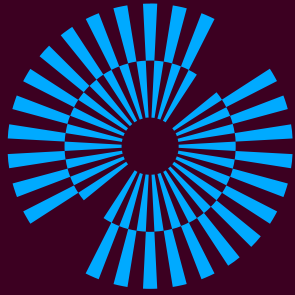
Flexible Order Structure: We do not require fixed order schedules, clip sizes or payment terms if there is need for flexibility.

Available for everyone: No limitations on eligibility currently

CER LAR ACTs Partner for Market Access and Settlement Platforms

CerQlar's post-trade management solutions create efficiencies, reduce costs & increase participation in the renewable energy certificates space





ACT

Thank you very much!

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EU ETS services

www.afsenergy.nl

AFS Execution Services – your experienced EU ETS broker

Financial Markets & Environmental markets service provider with:



Direct Access to financial, environmental markets including EU ETS, experience in trading, risk management of carbon exposure



Clients include: heavy industry, airlines, power producers, investors, investment funds, banks, hospitals



Regulated by Dutch AFM, Swiss FINMA, German BAFIN

AFS Execution Services BV is MiFID II compliant - *Markets in Financial Instruments Directive* - required for EUA trading

Market access

Primary (auction) Market Access:

- Access to EEX hosted EUA auctions
- AFS places bids on behalf of our counterparties
- Simple KYC procedure, no need to apply for direct auction access.
- Gain exposure to carbon pricing

Secondary Market Access:

- Trade volatility in the market
- Buy dips
- Flexibility entering & exiting
- Trades
- Simple KYC required

Risk Management

EU ETS is a volatile, expensive market. AFS can help you design a strategy that will either allow you exposure to the carbon market, or help you meet budgetary goals or pass on of costs.

- Help setting up an EU Registry Account
- Market information
- Perspective on EUA prices, decision-making help
- Predictability
- Budget Management
- Arbitrage opportunities
- Cashflow
- Flexibility in quantities of EUAs
- Reference prices to match CO2 costs to sales

Tailor made services, suitable for compliance buyers and investors of all sizes.

<https://www.afsenergy.nl/solutions/carbon-compliance>



Thank you

Please contact us for any inquiries

AFS Energy

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PGE Dom Maklerski S.A. - Your partner on EUA EEX market



Prowadzimy w zielonej zmianie

PGE Dom Maklerski S.A.

PGE Dom Maklerski S.A. - is a brokerage house company fully belongs to the PGE Polska Grupa Energetyczna S.A the biggest electricity producer and provider in Poland.

PGE Dom Maklerski as a licensed broker house acts with the highest market standard with compliance to the EEX exchange rules and MIFID, MIFIR and other european legal acts.

PGE Dom Maklerski is an active member of the European Energy Exchange since the year 2016 in scope of EUA market - both primary and secondary EUA markets.

PGE Dom Maklerski experience and knowledge acheived over the years through power, gas and EUA markets claims us as a strong, reliable and valuable partner for not only the EEX but all entities having interest in EUA market.

PGE Dom Maklerski - Contact

In case of any questions or interest please contact us by:

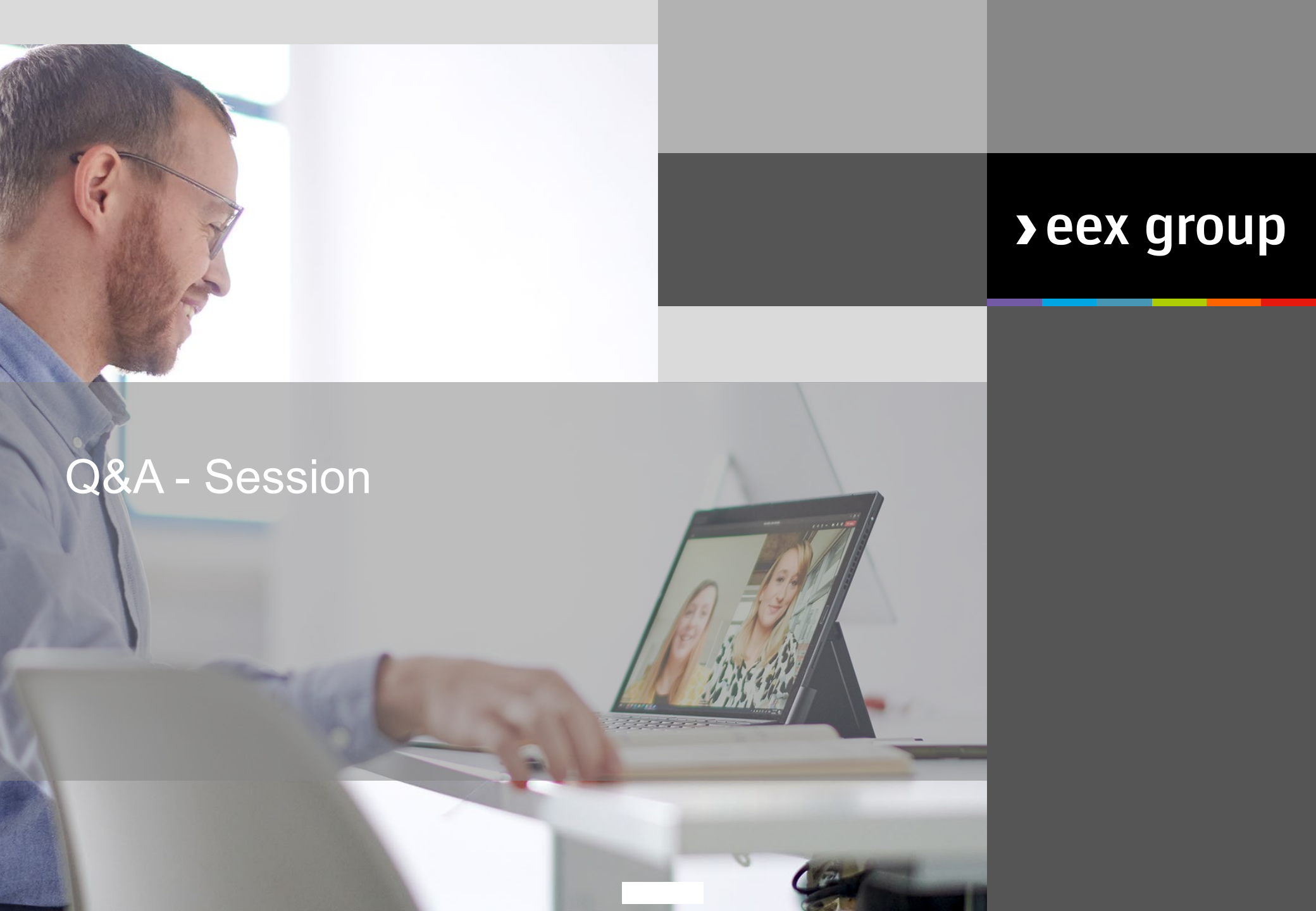
Via email: co2.dm@gkpge.pl

Via phone no.: +48 22 340 1200; +48 22 340 1201

It would be Our pleasure to be of help and guidance You through the EEX EUA market.

Thank You





› eex group

Q&A - Session



› eex group

Thank you

› eex

› epexspot

› eexasia

› nodal

› ecc

› nodalclear

› grexel

› pxe