

The Guarantee of Origin market

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3c | Understanding the basics - how are energy certificates traded?



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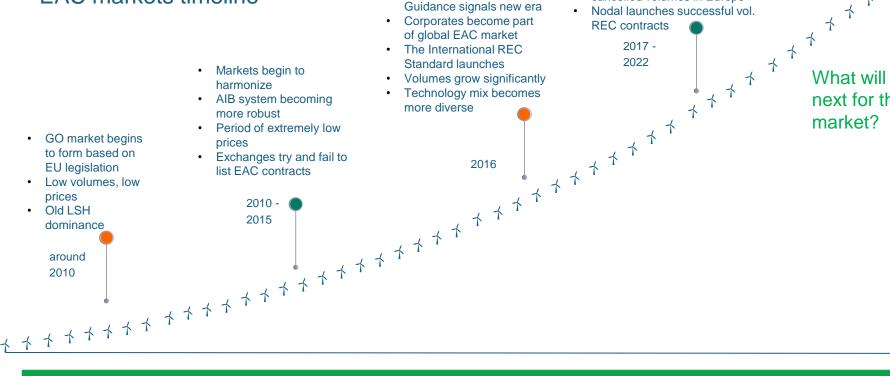
Launch of GHG Scope 2

Corporates become part

Guidance signals new era

Valuing consumer action

EAC markets timeline



- · Period of extreme price fluctuations
- AIB market expands I-REC market grows and new
- national EAC markets emerge Record highs for issued and cancelled volumes in Europe
- Nodal launches successful vol.



What will be next for the GO



What will be next for the GO market?

Full Disclosure

- Greater granularity of EACs
- Improved systems
- GO Futures on EEX



Full Disclosure

Trends to implement GO systems beyond renewables to drive transparency for consumers

- Full production disclosure (FPD)
 - producers receive a certificate for every MWh of power fed into the grid
- Full consumption disclosure (FCD)
 - a certificate must be cancelled for every MWh consumed
 - complete transparency about electricity consumption for consumers
- Full supplier disclosure (FSD)
 - A sub-form of full consumption disclosure (FCD)
 - Giving end-consumers the choice of who cancels certificates on their behalf



Greater granularity of EACs

- RED III outlines new criteria to be included on GO certificates
 - close to real time temporal production granularity
 - refined location matching
 - issuance for volumes below the MWh level
 - Impact on GO prices
 - Possible creation of premium GO market

Improved systems

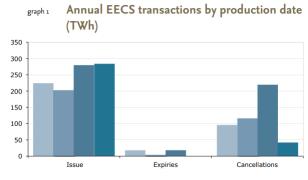
Does the existing infrastructure allow for a more complex market?



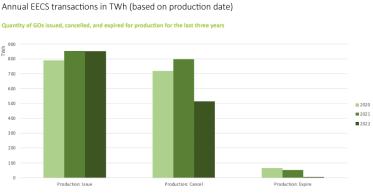
Next step to go: GO Futures to be listed on EEX

Fundamental drivers: government policy and broader market trends support GO trading on the exchange

- The role of EACs continues to be strengthened by legislative bodies worldwide
- Changing weather patterns and expanding market segments drive supply and demand to new levels of volatility
- Transfer of risk and demand for transparency more sought after than ever before



Issuance more than tripled between 2013 and 2022



5 - AIB ANNUAL REPORT 2022

6



Side note: US RECs - prices and volumes traded on Nodal

- Voluntary RECs were first listed on the Chicago Climate Futures Exchange more than 10 years ago and never traded
- Dec 2019/Nov 2020: Texas wind RECs and Texas CRS solar RECs launch on Nodal
- Today: record volumes traded

ERCOT Prices

TX RECs from CRS Listed Facilities Back Half V23 March 24







