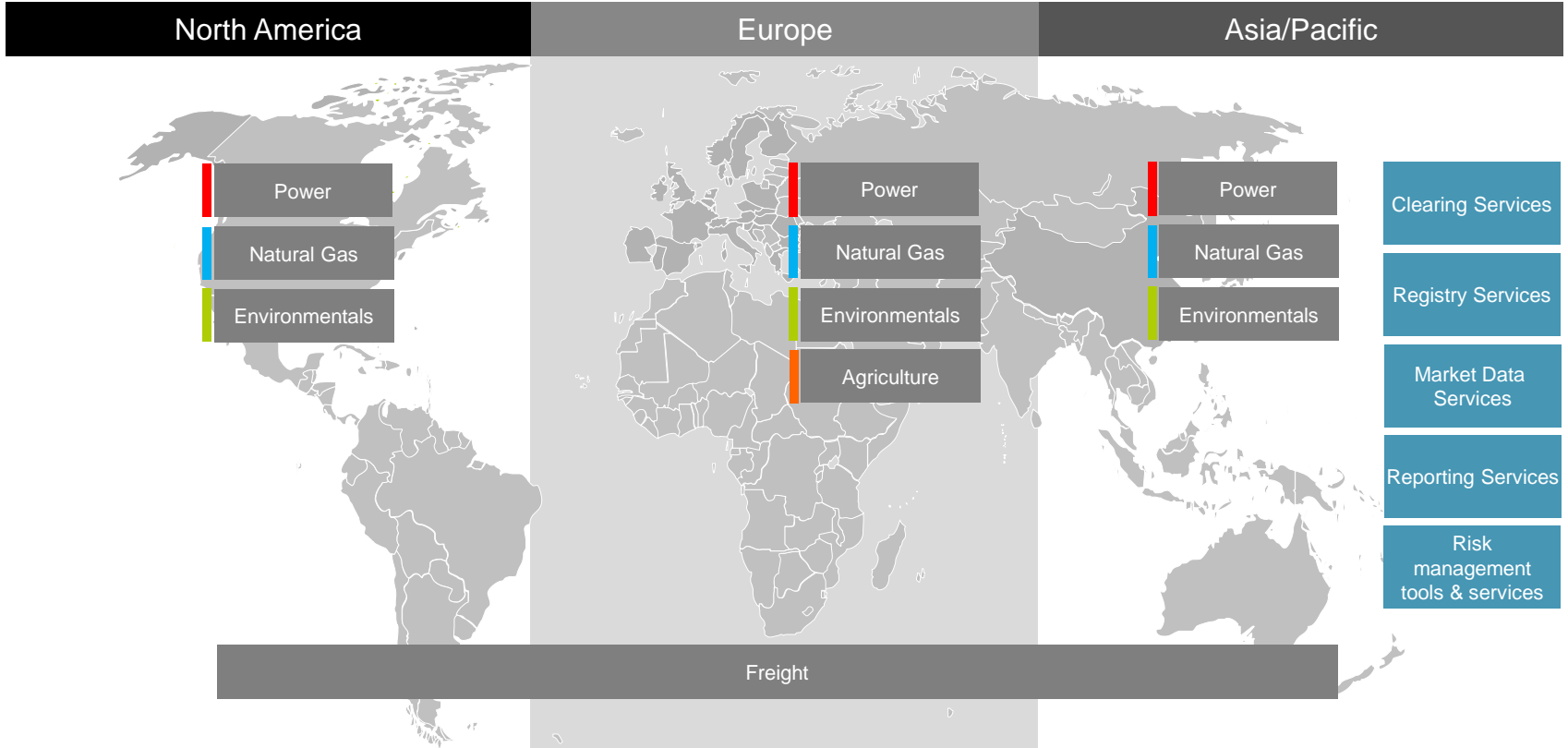


EEX HYDRIX – Price Transparency for green Hydrogen.

Peter Mock,
Copenhagen, 06/14/23

Operating commodity markets worldwide

EEX Group offers a comprehensive portfolio of products and services in three major time zones with a proven track record in power, natural gas and environmentals.



EEX Group is engaged in standardising and commoditising the young hydrogen market

Standardisation and tradability of
Hydrogen **certificates** and GOs
- **Grexel**

Operate a **trading platform**
for hydrogen

Build a Hydrogen community to
foster expertise
- **H2WG** (Hydrogen working group)

Promoting the **regulatory** and legal
framework for hydrogen trading

Operate our H2-index:
HYDRIX

Support hydrogen starter
programs e.g. **H2 Global**

What is price transparency in H2 necessary for?

Need for price transparency in the hydrogen industry

- Price signals, to optimize/hedge market-based new or existing investments in hydrogen
- Transparency on current and historical price developments for hydrogen

Current situation

- H2 prices are set in bilateral transactions
- Enterprises are lacking transparency in green Hydrogen for investment decisions



HYDRIX brings transparency to the young market for green H2.

Why HYDRIX?

- Hydrogen price indices are usually based on production costs. Therefore, the demand side is not represented.
- HYDRIX is calculated and published weekly based on realized prices and price assessments by market participants
 - Direct price signals for Hydrogen instead of backward-calculation from H2 substitutes (gas, power ...)
- Direct comparability of hydrogen prices in €/MWh to quoted gas and electricity prices in €/MWh

First market based price index for green H2

▪ How is HYDRIX calculated?

- Market participants/supporter provides price indications for the supply and/or demand side
- EEX calculates HYDRIX based on those price indications once the week
- First HYDRIX calculation for green Hydrogen in Germany

- $$HYDRIX = \frac{\phi Bid + \phi Ask}{2}$$

Where and when is HYDRIX published?

- For free on EEX transparency website under www.eex-transparency.com
- Every Wednesday at 4 pm CET

Why is HYDRIX the better reference for H2?

- More than a production cost-based H2 index
- Consider supply and demand prices and thereby customer willingness to pay
- Comparability to natural gas or power prices

HYDRIX – key facts

Green Hydrogen:
electrolysis sourced from
renewable energies

Delivery period
current week
→ **Weekly Publication**

Market area: Germany for the start
the concept is designed to add
further market areas

Notation in €/MWh
increased comparability to other
commodities

HYDRIX reflects prices for offtakers –
no consideration of
transportation costs

No weighting according to trading
volume – greater representation of
new market participants

Thank you for your attention!

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