





### Impact of the Paris Agreement on the coal market

Dr. Mauricio Bermudez-Neubauer Independent Consultant and Advisor

# For 20+ years, governments have been negotiating how to jointly respond to climate change – there is finally a global deal



- 5-Oct-16: threshold for entry into force of Paris Agreement achieved.
- 4-Nov-16: Agreement entered into force.
- 10-Dec-16: 116 of 197 parties, representing ~80% of global emissions, have ratified.

#### 5 Key outcomes of the Paris Agreement

Sets LONG TERM GOAL to achieve net zero emissions

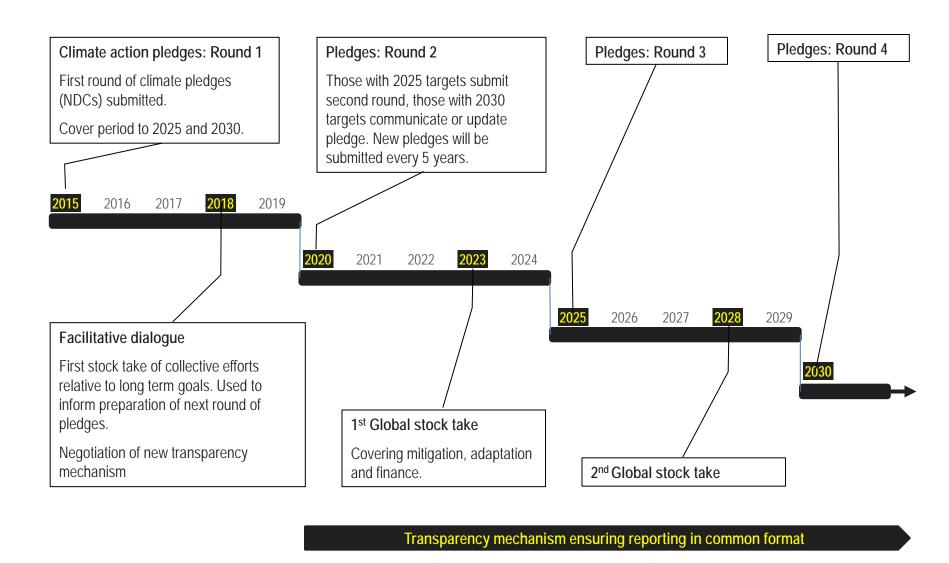
Countries **STRENGTHEN CLIMATE ACTIONS** every 5 years

**ENHANCED TRANSPARENCY** to ensure commitments are met

Mobilises CLIMATE FINANCE

Recognises **ADAPTATION** as a pillar for most vulnerable communities

### Paris Agreement "ratchet" mechanism for advancing climate action



# Paris Agreement (Art. 6) contains very broad provisions enabling the creation of interconnected carbon markets and credit transfers

#### Cooperative approaches

Parties may choose, on a voluntary basis, to cooperate in the implementation of their NDCs. E.g. could include carbon market clubs.

Seemingly meant to cover all specific cases of cooperation in Article 6, and others that may emerge in the future.

#### **ITMO**

International Transfers of Mitigation Outcomes

ITMOs can be produced from any mechanism / procedure / protocol, i.e. with no reference to operate under the authority of the COP.

Need to observe CMA guidance on accounting.

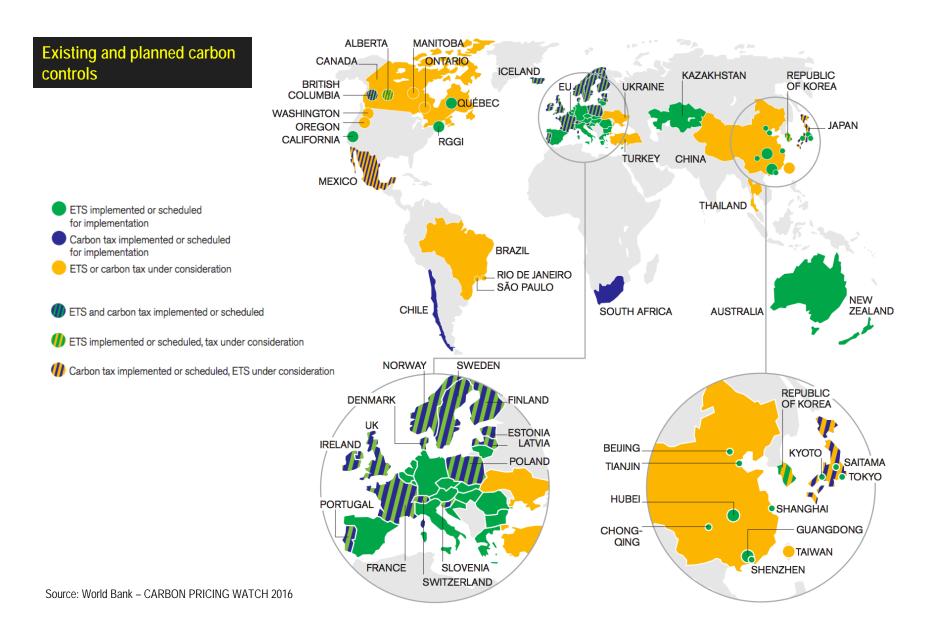
#### EMM (or SDM)

Mechanism to contribute to mitigation and support sustainable development

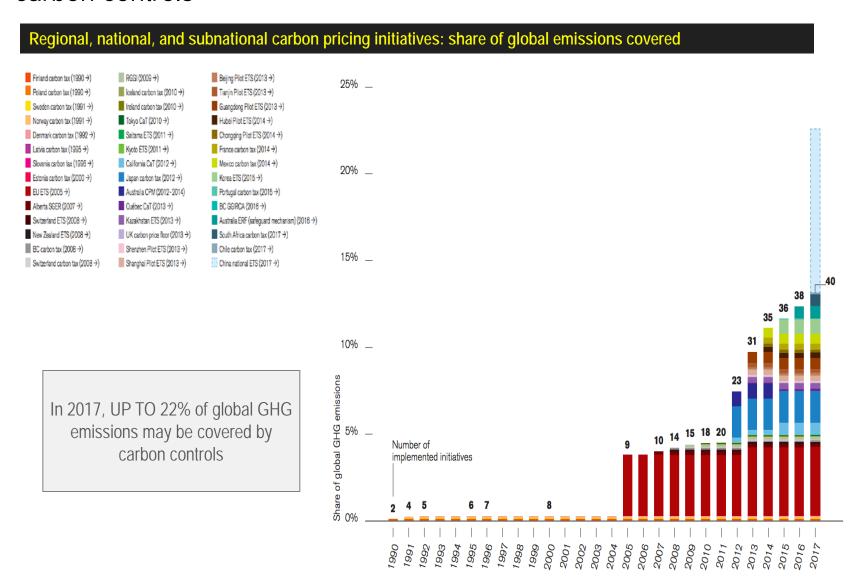
Establishes EMM to produce emissions mitigation and support sustainable development - will operates under the authority of the COP.

EMM can then be used to fulfil the NDC of another Party.

# The number of carbon controls at the national and sub national level continues to grow, but creates a "fragmented" policy landscape...

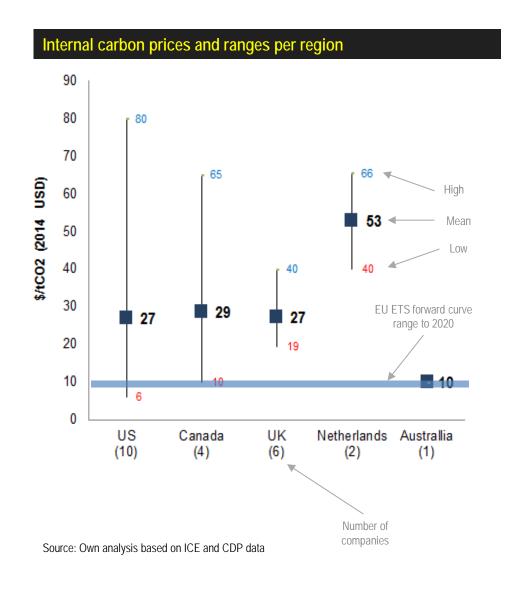


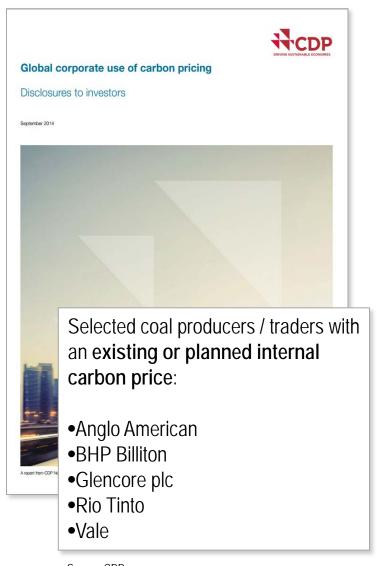
## ...that is slowly increasing the share of global emissions covered by carbon controls



Source: World Bank - CARBON PRICING WATCH 2016

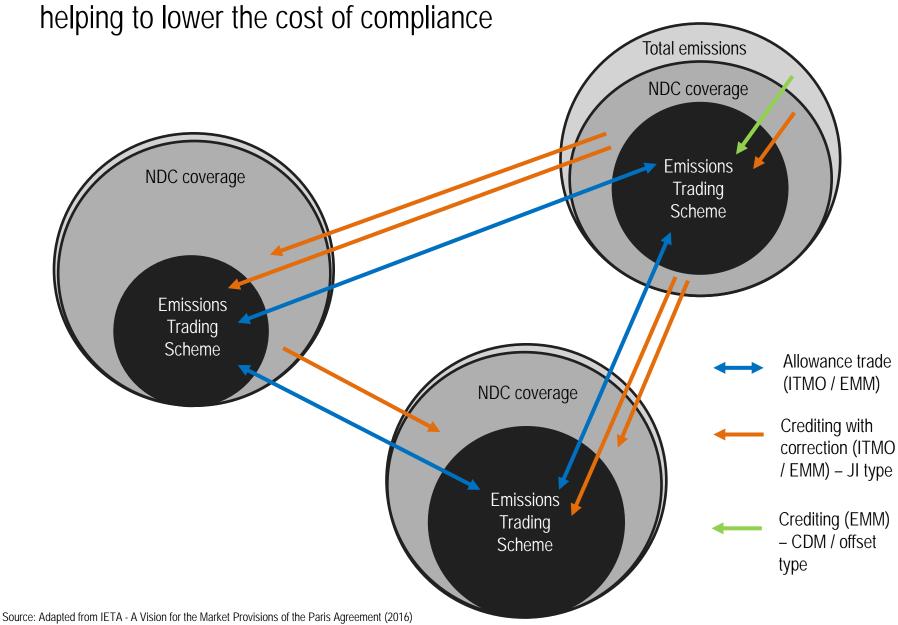
# Corporations, including numerous coal producers, are building resilience to carbon regulatory & reputational risk with internal carbon pricing





Source: CDP

The Paris Agreement contains multiple provisions that could enable trading "clubs" and other connections across jurisdictions, potentially



## In sum: possible impacts of the Paris Agreement on coal supply and demand

#### Short term (next 2 years)

- Signals/signposts of regulatory change and/or industrial policy impacting contracts / terms of trade
- Changes in stakeholder / consumer perception / scrutiny
- Changes in shareholder / investor risk scrutiny and positions
- Increased attractiveness of investments in challenger technologies (solar, wind, storage) impacting finance available for coal

### Medium / Long term (next 3-10 years)

- Regulatory changes (carbon prices, standards, rules) impacting coal demand / supply
- Increased stakeholder / consumer scrutiny
- Increased shareholder / investor risk scrutiny
- Growing markets for challenger technologies impacting coal demand as economies of scale lower costs (solar, wind, storage)
- Rebound effects through technology deployment (e.g. growing transport electrification or CCS/CCU)

#### Caveats:

- •Still too early to call. Proverbial devil in the detail will define the extent of the agreement's strength.
- •Contingent on Trump administration impact on UNFCCC, Paris Agreement and non-US responses

### Thank you!

Twitter: @Dr\_Bermudez