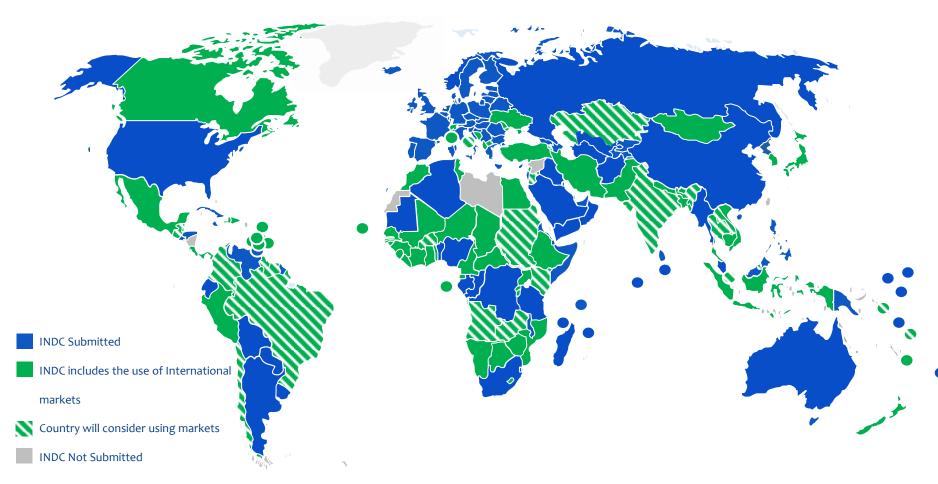
### **CHILE ETS WORKSHOP**



# Private Sector Experiences Flexible & Complementary Mechanisms

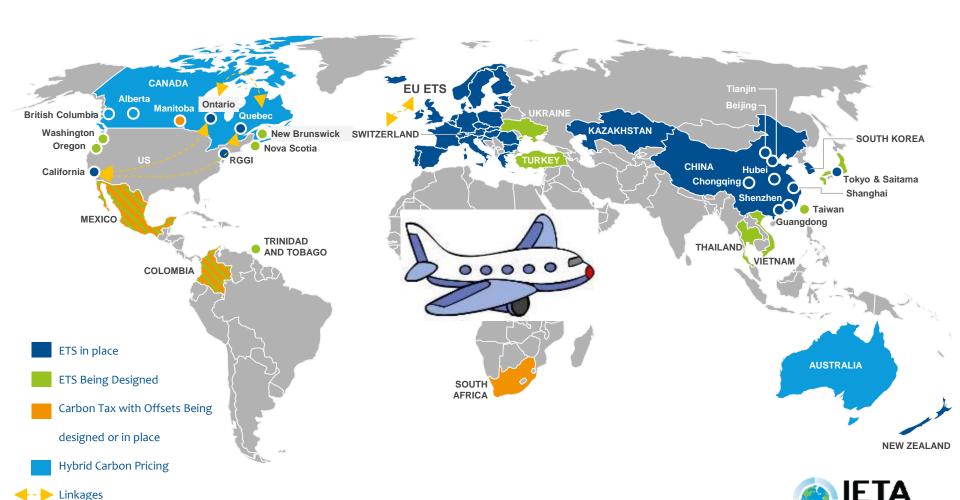


### >100 Carbon Market Friendly Targets





### Carbon Markets Worldwide



### Chile & Markets...Deep Thoughts

- We've "Crossed the Rubicon". Economic impetus to a decarbonized world is now unstoppable. Doing nothing = non-option.
- Chile Appears to be "All In". By confirming Chile's domestic targets, climate policy settings will inevitably tighten...and soon.
- Future of Carbon Markets is Bright. Chile could optimize its position as regional and international markets evolve.
- Climate Finance-Carbon Market Links. Big opportunities for Chile with robust & aligned market design to attract public-private climate finance.
- Critical to Maintain Competitiveness as World Evolves. Act early, provide predictable industry support and pathways to business and investors.



### **IETA Key Messages & Principles**

- CLIMATE RESULTS MATTER
  - Measurable climate (GHG reduction) outcomes!
- POLICY CERTAINTY MATTERS
  - Long-term, consistent compliance pathways and price signals
- PROFIT-INCENTIVE POWER MATTERS
  - Drives innovation & broader economic development
- LOW-COST & FLEXIBILITY MATTERS
  - Trading, low-cost offsets, linking etc.
  - Broadens participation
- ADDRESSES COMPETITITEVENESS
  - Levels playing field with international competitors





























































































































































































































































































































































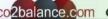








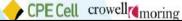
















## BUSINESS













































**OFFSETS** 



















































































## Why Business Offsets

- Cost-Containment Carbon price pressure relief
- Drives down emissions at a faster rate
- Drives reductions & participation by unregulated sectors
- New revenue stream (e.g. farms, forests, entrepreneurs)
- Enables <u>linkages & alignment</u>
- Drives new technologies spurs innovation and clean exports
- Supports climate-neutral, <u>CSR voluntary goals</u>

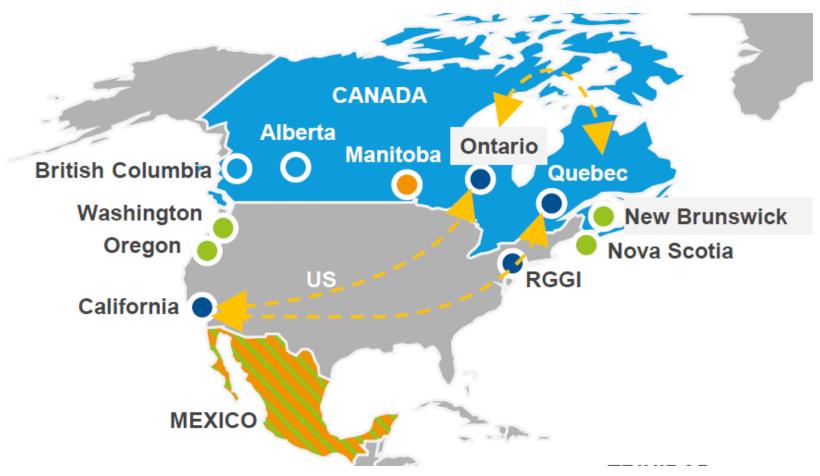


### Some Key Offset Design Items

- Offset Project Type Eligibility?
- Geographic Eligibility? (Local, Regional, Global?)
- Quantitative Limits? (100% of X% of compliance?)
- Offset Protocol Development? (Adopt? Adapt? Create?)
- Project Start Date?
- Infrastructure Registry? (3rd Party? In-House?)
- Aggregation of Smaller Projects?
- Invalidation & Liability? (Buyer, Seller, Buffer?)
- MRV & Assurance? (Verification, Validation?)
- Co-Benefits (Local Prioritization?)



### **North American Markets**





### North American Offsets Explosion







### Includes: PCF Offset Harmonization Framework

#### QUEBEC

#### WCI - Link to California

#### Cap and Trade

 LFEs, Power Imports, Fuel Distributors

#### By 2030:

- Petroleum consumption 40% below 2013
- Offsets
- Renewables 25% above

#### **ALBERTA**

- Benchmark ETS & OBAs (EPC, Offsets) - \$30/tonne
- · Oil Sands Cap (100Mt)
- Coal phase-out 2030
- · 30% renewable energy

#### Carbon Levy (Fuels)

· 2018 - \$30/t

#### MANITOBA

#### **OBA** system

- \$25/tonne C levy
- Offsets

### Carbon Tax (Fuels) ....\$30/t -.Frozen

(LNG, coal, new

BRITISH COLUMBIA

· Offsets (CNG)

entrants?)

Benchmark ETS



#### CAP & TRADE

- "Carbon tax" (on gasoline)
- AB SGER-model (>25kt onshore)
- (Price not yet listed)
- Offsets

#### SASKATCHEWAN

- OBA Style for Sectors
- Offsets
- · Technology Transfers
- · Coal Equivalency Deal

#### ONTARIO

WCI (link 2018 to QUE and CA)

#### Cap and Trade

- · 2017: ~\$18/t
- LFEs, Power Imports, Fuel Distributors
  - Offsets







### **Complementary Mechanisms...**





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