



# The State and Trends of Carbon Pricing 2018

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Emissions Trading Simulation Workshop Santiago de Chile, November 2018

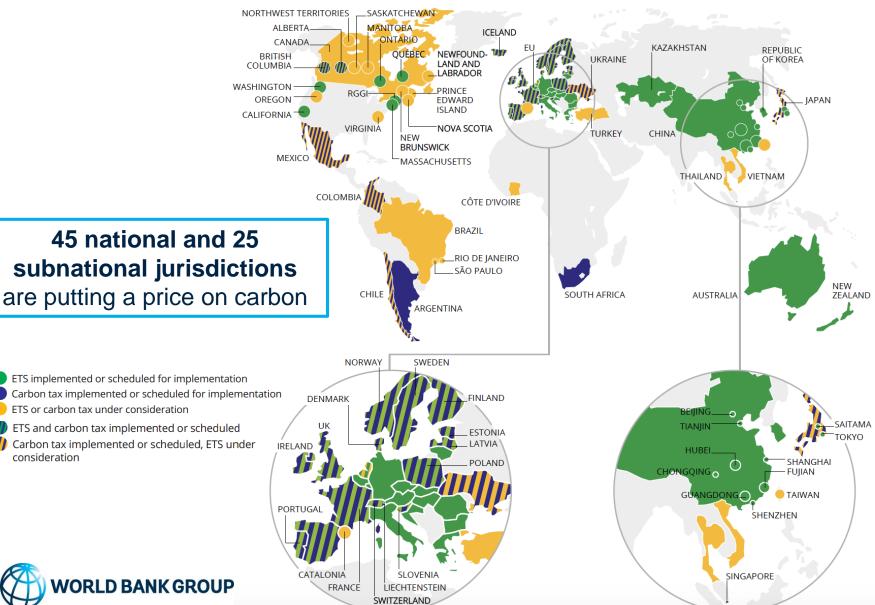


### Latest developments in 2017-18

- 2017-18 saw continued progress on carbon pricing initiatives at the subnational, national, and regional levels.
- 51 carbon pricing initiatives have been implemented or are scheduled for implementation:
  - 25 ETSs, mostly located in subnational jurisdictions,
  - 26 carbon taxes, primarily implemented on a national level.
- In 2017, governments raised about US\$33 billion in carbon pricing revenues.



### State of Carbon Pricing initiatives around the world



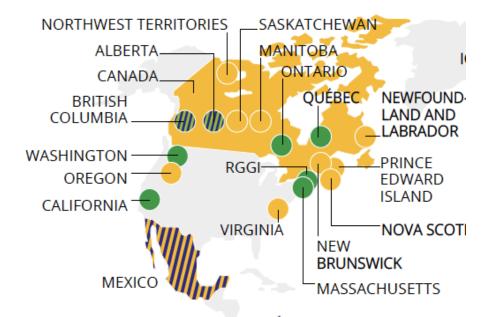


ETS or carbon tax under consideration

consideration

### ... and zooming into the Americas

Source: WBG State & Trends of Carbon Pricing 2018



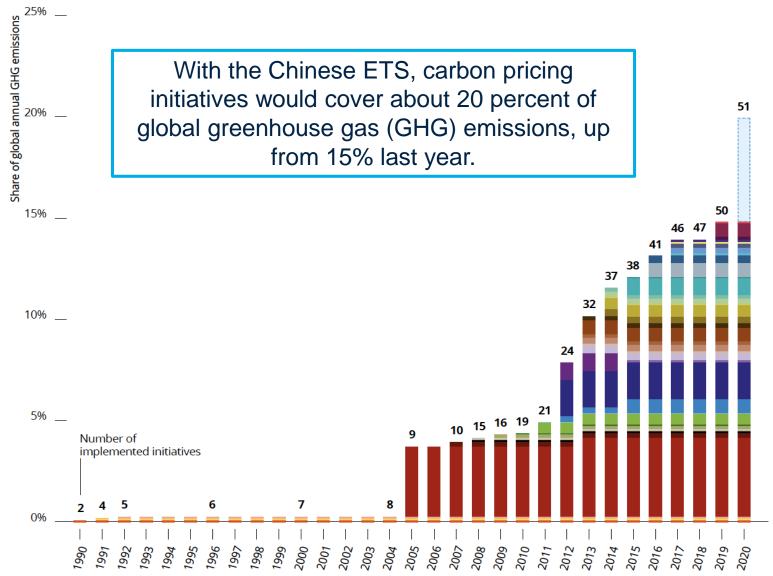
COLOMB

- ETS implemented or scheduled for implementation
- Carbon tax implemented or scheduled for implementation
- ETS or carbon tax under consideration
- ETS and carbon tax implemented or scheduled
- Carbon tax implemented or scheduled, ETS under consideration





### GHG emissions coverage of CP initiatives

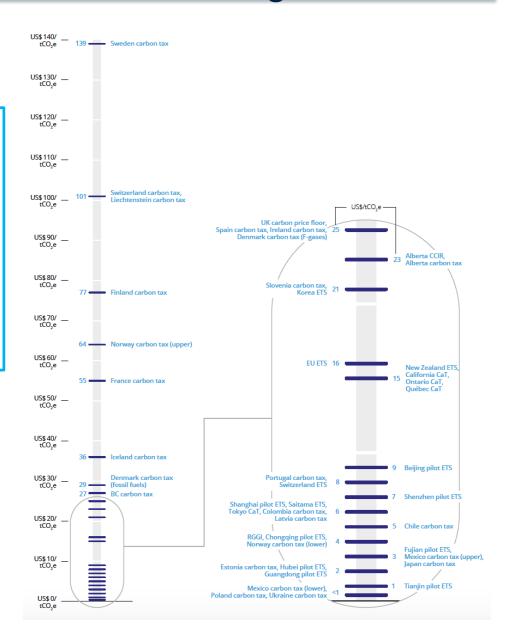




### Prices in implemented Carbon Pricing initiatives

While they remain too low, carbon prices in most initiatives are rising

About half of the emissions are now covered by carbon pricing initiatives priced at over US\$10/tCO2e compared to one-quarter of emissions covered in 2017





### Latest developments in 2017-18

- All six newly implemented carbon pricing initiatives in 2017-2018 came from the Americas region:
  - In 2017: carbon tax in Alberta, Chile, Colombia; ETS in Ontario; Clean Air Rule in Washington State
  - In 2018: ETS in Massachusetts, carbon tax in Argentina
- Encouraging developments elsewhere: China, Kazakhstan, Singapore, Netherlands, Ukraine
- Looking forward, great potential with the implementation of NDCs, with 88 parties mentioning carbon pricing in their NDCs representing 56 percent of global GHG emissions.
- 2018 will be a critical year for implementing international carbon pricing mechanisms.



### Latest developments in 2017-18

#### At the international level:

- Aviation: 73 countries, representing 88 percent of international aviation activity, intend to voluntarily participate in CORSIA from the start of the pilot phase in 2021.
- Maritime: IMO foresees for the first time in history a reduction in total GHG emissions from international shipping with a vision of putting the sector's emission reduction efforts on a pathway consistent with the Paris Agreement temperature goals.

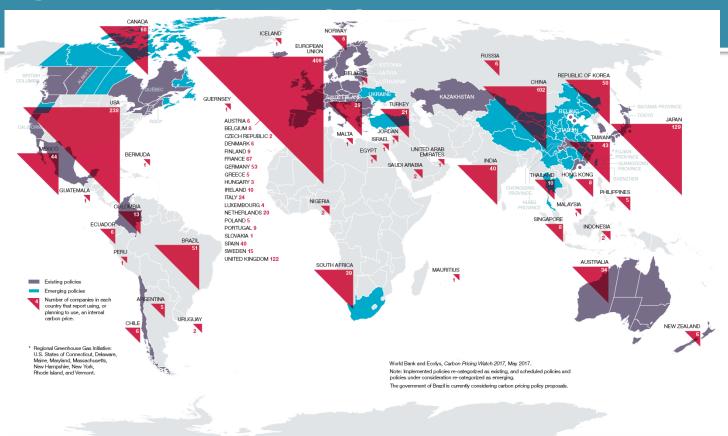


### Growing interest of private sector in internal

## 1389 companies

disclose the use of an internal carbon price – or intend to do so in the next 2 years

**607** companies are already using internal carbon pricing as an accounting and risk management tool (17.4% increase from 2016)



Carbon Disclosure Project, CDP 2018 Report



#### INTERNATIONAL CARBON PRICING INITIATIVES

88<sub>NDCS</sub>

plan or consider using carbon pricing and/or market mechanisms

56%

of global GHG emissions are covered by these NDCs

#### REGIONAL, NATIONAL AND SUBNATIONAL CARBON PRICING INITIATIVES

45

**25** 

SUBNATIONAL

jurisdictions with carbon pricing initiatives

51

CARBON PRICING INITIATIVES

implemented or scheduled for implementation

WOULD COVER ANNUAL GLOBAL GHG EMISSIONS OF

11  $GtCO_2e = 20\%$ 

PRICES IN THE IMPLEMENTED INITIATIVES

US\$1-139/tCO<sub>2</sub>e

46% of the emissions covered are prices <US\$10/tCO2e

Carbon pricing revenues raised by governments in 2017 were

**US\$33 billion** 

Higher compared to US\$22 billion in 2016

Annual value of carbon pricing initiatives in 2018 is

US\$82 billion

Higher than the value of US\$52 billion for 2017

#### INTERNAL CARBON PRICING INITIATIVES

OVER 1,300 COMPANIES

are using or planning to use internal carbon pricing in 2018-2019 84%

of these companies are located in jurisdictions with (scheduled) mandatory carbon pricing initiatives

INTERNAL CORPORATE CARBON PRICES ARE IN THE RANGE OF

US\$0.01-909/tCO<sub>2</sub>e



### More effort is needed

- Despite the continued progress, further action is necessary.
- Key priorities for action include:
  - Expanding coverage through the development of new initiatives and the broadening of GHG coverage in existing initiatives;
  - Deepening impact by raising carbon prices, which will send a stronger price signal, triggering more investments in low-carbon technologies;
  - Aligning carbon pricing with complementary and enabling policies;
  - Progressing on the guidelines of the Paris Agreement to pave the way towards linking domestic pricing schemes and enabling usage of international market mechanisms.



### Getting ready for carbon pricing: PMR readiness support

Source: PMR Annual Report 2018

#### PARTICIPANTS AND TECHNICAL PARTNERS

The map shows the different categories of participants and the stage in the process reached by each Implementing Country Participant.

FIGURE 1: PMR PARTICIPANTS BY CATEGORY AND IMPLEMENTATION STATUS

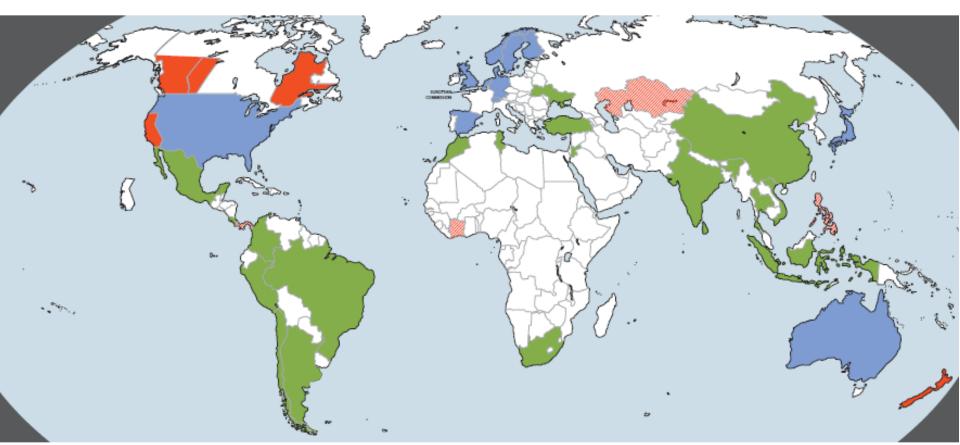
Implementing countries at preparation phase

Implementing countries at implementation phase

Contributing participants

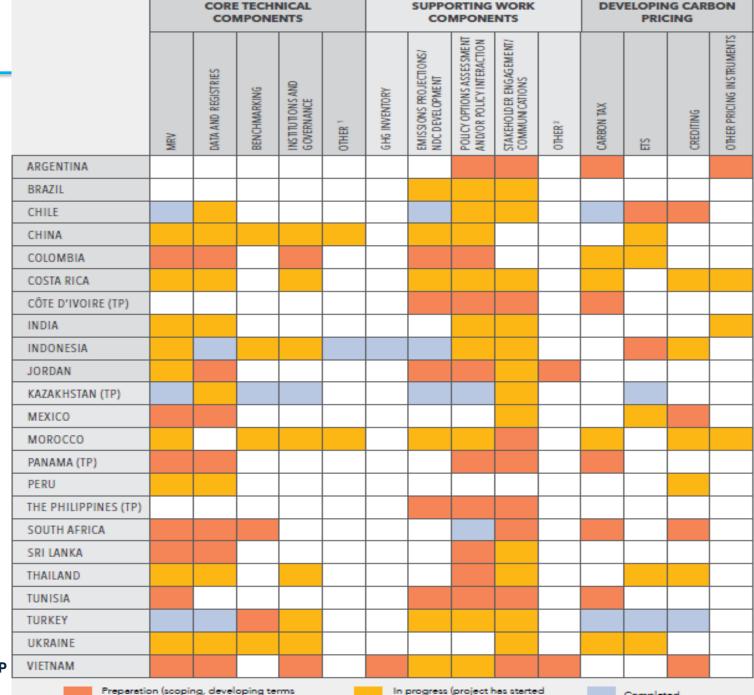
Technical partners

Technical partners receiving targeted technical support

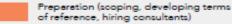


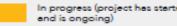
# Scope of readiness work in LAC countries

Source: PMR Annual Report 2018



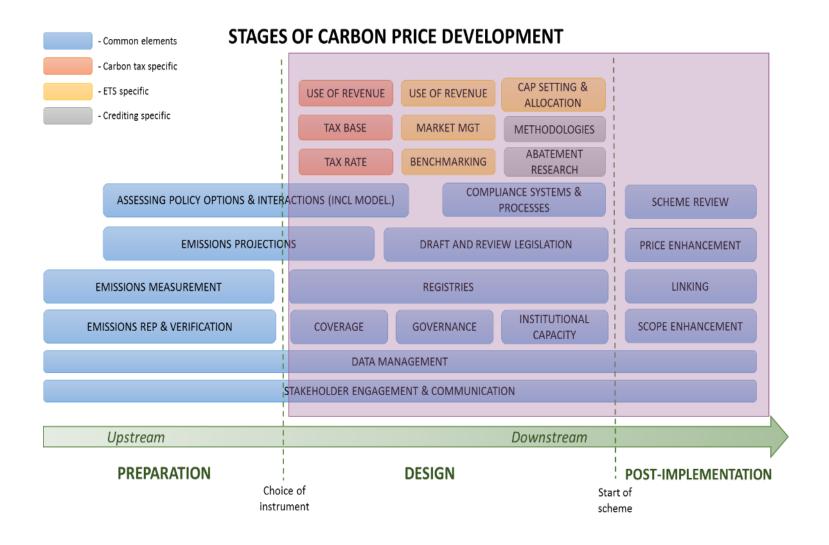








# From readiness to implementation support: evolving challenges & priorities?





Greater focus on **implementation** means technical assistance & capacity development must also target 'downstream' activities

### Sources

### http://carbonpricingdashboard.worldbank.org/

