



SECRETARIAT THE °CLIMATE GROUP

# 2050 PATHWAYS PLANNING FOR STATES & REGIONS

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*The Climate Group*



# The Under2 MOU

- 1) A commitment to reduce greenhouse gas emissions 80 to 95%, or limit to 2 metric tons CO<sub>2</sub>-equivalent per capita, by 2050
- 2) Collaboration with global peers to achieve the commitment



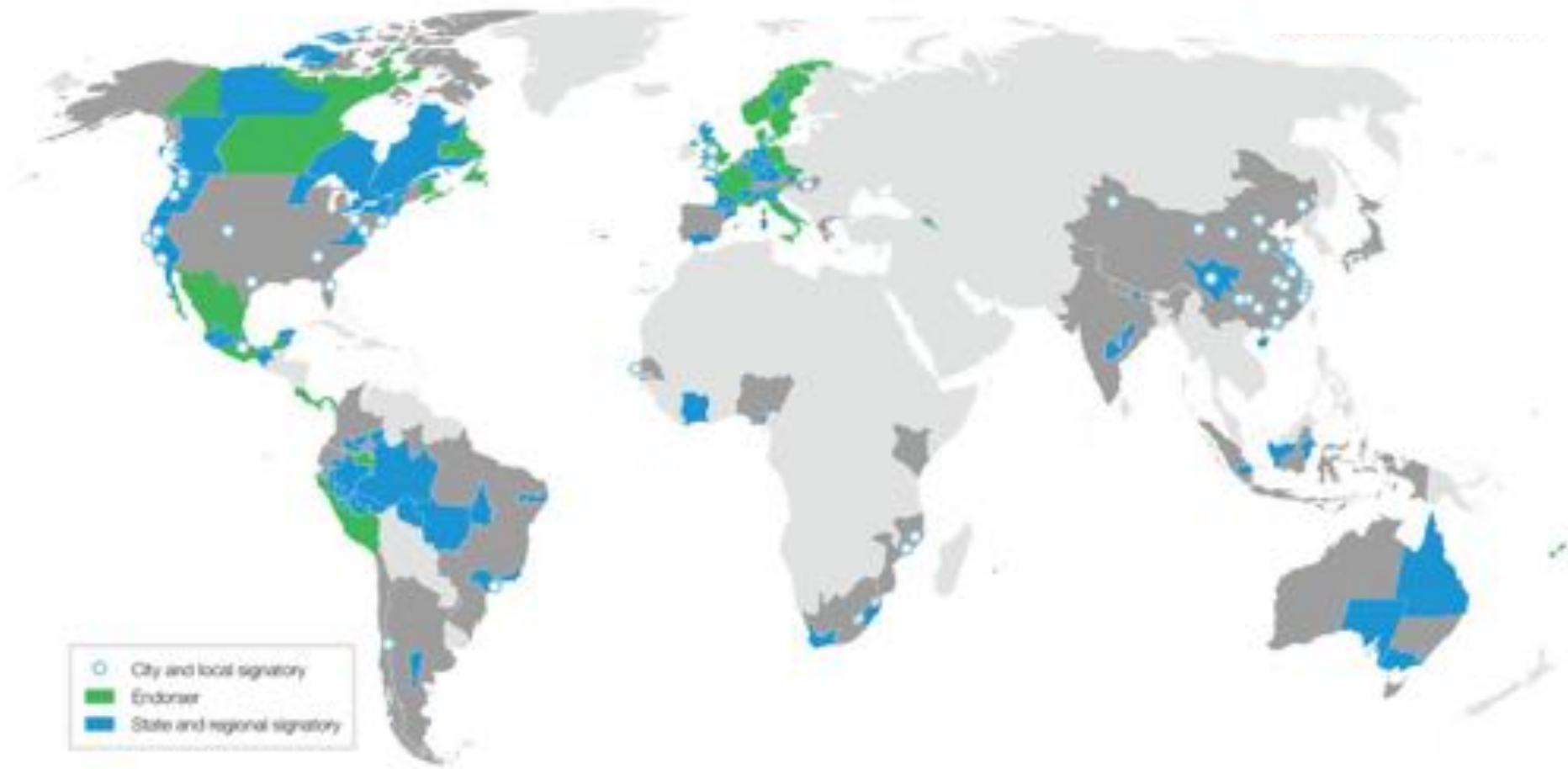



# GROWTH OF THE UNDER2 COALITION

GOVERNMENTS



# 205 signatories and endorsers



Philippe Couillard, Premier of Québec, is shown from the chest up, speaking at a podium. He is wearing a dark suit, a white shirt, and a blue patterned tie. The podium has a sign that reads "CLIMATE WEEK NYC" and "CLIMATEWEEKNYC.ORG". The background is a blue screen with some logos, including "Swiss".

**“We are *agents of change* committed to impactful global climate action which generates economic development opportunities and new jobs driven by innovation and creativity. Governments like ours *play an essential role as policy innovators*, experimenting with and proving the success of new climate policy models.”**

*Philippe Couillard  
Premier of Québec  
Co-Chair of the Under2 Coalition*



# Why States and Regions?

- **States and regions are ambitious.** The Under 2 MOU has set a global standard for long-term greenhouse gas reduction targets.
- **States and regions are empowered.** They are responsible for both implementing national policy and enabling city policy and have key powers in critical policy areas such as energy regulation and finance.
- **States and regions are innovative.** New policy questions such as how to grow clean technology markets, how to regulate power companies, and how to leverage private climate finance are being tackled at the subnational level. They are closer to our citizens and businesses and can respond more quickly to their needs.
- **States and regions are influential.** Even compared with national governments, some state and regional governments are among the largest economies and population centres in the world.



# GLOBAL STATES AND REGIONS ANNUAL DISCLOSURE

**2017 UPDATE**

How over 100 states and regions  
are acting on climate change

## KEY FINDINGS:

**8.5%**

### EMISSIONS REDUCTION

average compared to  
governments' base  
years

**80%**

### MORE CLIMATE ACTIONS

taken across 10 sectors,  
incl. buildings, energy,  
transport and land use

**290**

### TARGETS

for emissions reductions,  
renewable energy and  
energy efficiency

# Québec, Ontario and California have signed an agreement linking their carbon markets





# The Tesla Powerpacks in Hornsdale, South Australia





## **Delivering the Under2 through...**

- **2050 PATHWAY PLANNING**
- **SCALING POLICY SOLUTIONS**
- **MEASUREMENT AND TRANSPARENCY**
- **GLOBAL ENGAGEMENT**



## 2050 pathway planning: 2020 Goal



### 2020 GOAL

**At least one third of Under2 signatories have begun or completed a 2050 Pathways analysis**

### 2018 ACTIVITIES

- 2050 Pathways Webinar series
- Launch 2050 Pathway Registry & Resources
- Provide direct technical support to complete 2050 Pathways






- 9 state and regional governments have conducted a 2050 Pathway plan to date (Canada, Germany, South Africa, Spain, UK, US) *Source: Under2 Pathways Registry*
- 31 governments have indicated interest and capacity to undertake a 2050 Pathway analysis (*Source: Under2 Survey and Intro to Pathways Webinar follow-up*)
- Diversity in levels of understanding of what pathway planning involves
- Diversity in levels of resource and capacity
- Opportunity to link with city and national level planning

Where are we?



## Activities and next steps

- **Raise awareness!**
- **2050 Pathways: online registry, resources, webinars**
- **2050 Pathways workshops**
- **Direct technical support for Under2 jurisdictions**
  - Mexico 2050
  - Forest Pathways (Brazil, Peru)
- **2050 Pathways Fund**
- **Global Climate Action Summit Announcements**
  - 'Paris compatible' 2050 plans
  - Forest Pathways project launch

A photograph of a winding asphalt road through a dense forest. The road is wet and reflects the surrounding greenery. Tall trees line both sides of the road, and a light mist hangs in the air, creating a serene and slightly somber atmosphere. A dark rectangular box is overlaid on the upper right portion of the image, containing white text.

“This global challenge requires bold action on the part of governments everywhere. It’s time to be decisive. It’s time to act. ”

*Edmund G. Brown, Governor of California  
Co-founder of the Under2MO*







**Thank you!**

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“This is the most ambitious commitment made to date from states and provinces worldwide. It could be a game-changer”

*Ban Ki Moon, Former United Nations Secretary General, at the Paris climate summit in 2015*