# Can carbon pricing solve climate change?

Lessons from climate policy efforts around the world

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## Agenda

- A price on carbon: "the" solution(?)
- How well are carbon prices performing so far?
- But Why?
- Where do we go from here?

## Carbon pricing: economists love it

### Economists Have A One-Page Solution To Climate Change

June 28, 2013 · 3:46 AM ET Heard on Morning Edition





CONSERVATIVES AND CLIMATE CHANGE This conservative economist makes the case for a carbon tax

By Amanda Little on Oct 12, 2015

## Scientists endorse it





#### **Open Letter Supporting Initiative 732 by Leading Climate Scientists**

As atmosphere, ocean, and earth scientists we are deeply concerned about the consequences of man-made climate change. Global temperature in 2015 was the highest on record and is likely to

## ... as do oil companies



Her Excellency Ms. Christiana Figueres Executive Secretary of the UNFCCC UNFCCC secretariat - UN Campus Platz der Vereinten Nationen1 53113 Bonn Germany His Excellency Mr. Laurent Fabius President of COP21 Ministry of Foreign Affairs 37, Quai d'Orsay 75007 Paris France

Friday, May 29<sup>th</sup> 2015

Dear Excellencies,

Climate change is a critical challenge for our world. As major companies from the oil & gas sector, we recognize both the importance of the climate challenge and the importance of energy to human life and well-being. We acknowledge that the current trend of greenhouse gas emissions is in excess of what the

# It's now a gauge of climate policy commitment





Rex Tillerson supports a carbon tax. This is what is really needed to move the needle.

# The three realms of climate policy & role of carbon pricing



Massachusetts Institute of Technology

Economics", McKinsey

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## **Carbon pricing around the world**



## **Coverage remains limited...**

25% \_\_\_\_\_ China 20% \_\_\_\_\_ national capand-trade 15% \_\_\_\_\_ \_42 10% Share of global GHG emissions % EU cap-and-trade Number of implemented initiatives

6 7 <sup>1996</sup> 

Massachusetts Institute of Technology

Source: World Bank, State and Trends of Carbon Pricing 2016

## ...and CO2 prices levels are low



Massachusetts Institute of Technology

Source: World Bank, State and Trends of Carbon Pricing 2016, EPA, IPCC, Tol 2011

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"Politics is the art of the possible" Otto Von Bismarck

## Europe's carbon market reform discussions

Carbon Trading

## MEPs back 'luke warm' carbon market reform plan



James Murray

🔰 @James\_BG

24 February 2015



## Polish PM says no case for early reform of EU carbon market-letter

Wed Feb 25, 2015 5:09pm GMT

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- \* Poland says also represents seven other nations
- \* Britain, Germany want early reform

BRUSSELS Feb 25 (Reuters) - Poland's prime minister has asked the European Commission to stick to the original start date for reforms to the

# Carbon pricing a defining political issue in Australia



### A Carbon Tax's Ignoble End

Why Tony Abbott Axed Australia's Carbon Tax



Julia Baird JULY 24, 2014



## **The Hillary Campaign**



ELECTION 2016

### Hillary Clinton's Ambitious Climate Change Plan Avoids Carbon Tax

By CORAL DAVENPORT JULY 2, 2016



LO

"We have done extensive polling on a carbon tax. It all sucks." – John Podesta according to emails leaked by Wikileaks

## **Polls on climate policies**

#### **POLICY SUPPORT**

50%
77% 21% Oppose
74% 25% Oppose
63% 36% Oppose
61% 38% Oppose
25% Oppose
s

Source: Vox, Yale Project on Climate Change Communication

## Mexico's gas crisis, January 2017



Source: NBC News, the Guardian

## Economists' perspectives vs Politicians'



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"One of the penalties for refusing to participate in politics is that you end up being governed by your inferiors." Plato

### **Paris Agreement**

### **Kigali Agreement**





ICAO deal on aviation emissions



## **Takeaways for climate policy**

- "Second-best" is not worse (devote attention to "green industrial policy", subsidies, renewable standards, power sector regulations)
- Carbon pricing is a journey "the strong and slow boring of hard boards" (Max Weber)
- Be open to concessions at first (carbon pricing will be weak initially) – do not make the perfect the enemy of the good

## Thank you for your attention!

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