ECONOMIC INSTRUMENTS FOR ENVIRONMENTAL PURPOSES

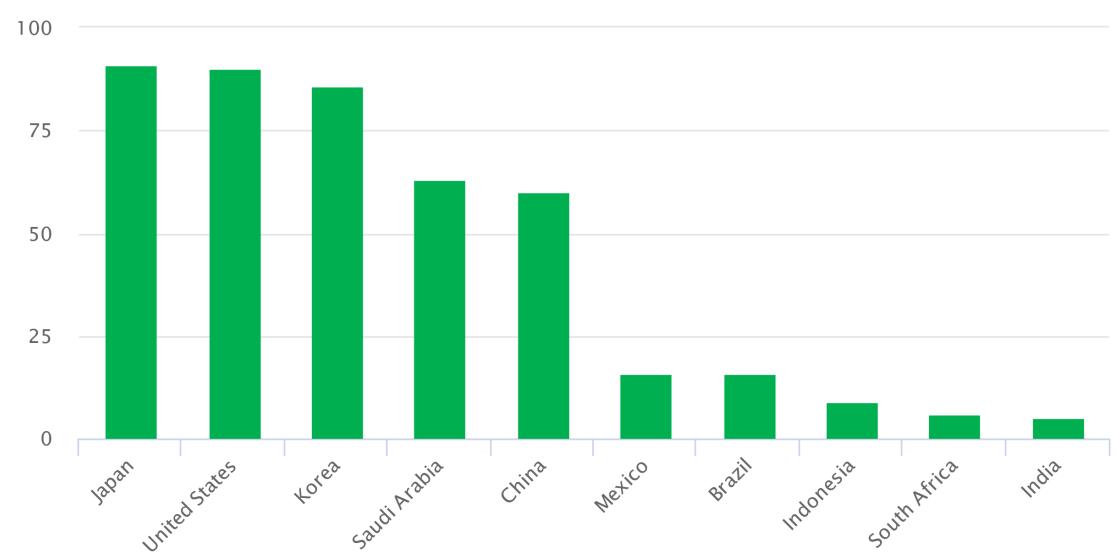
Daniel Besley World Bank 9 December, 2018





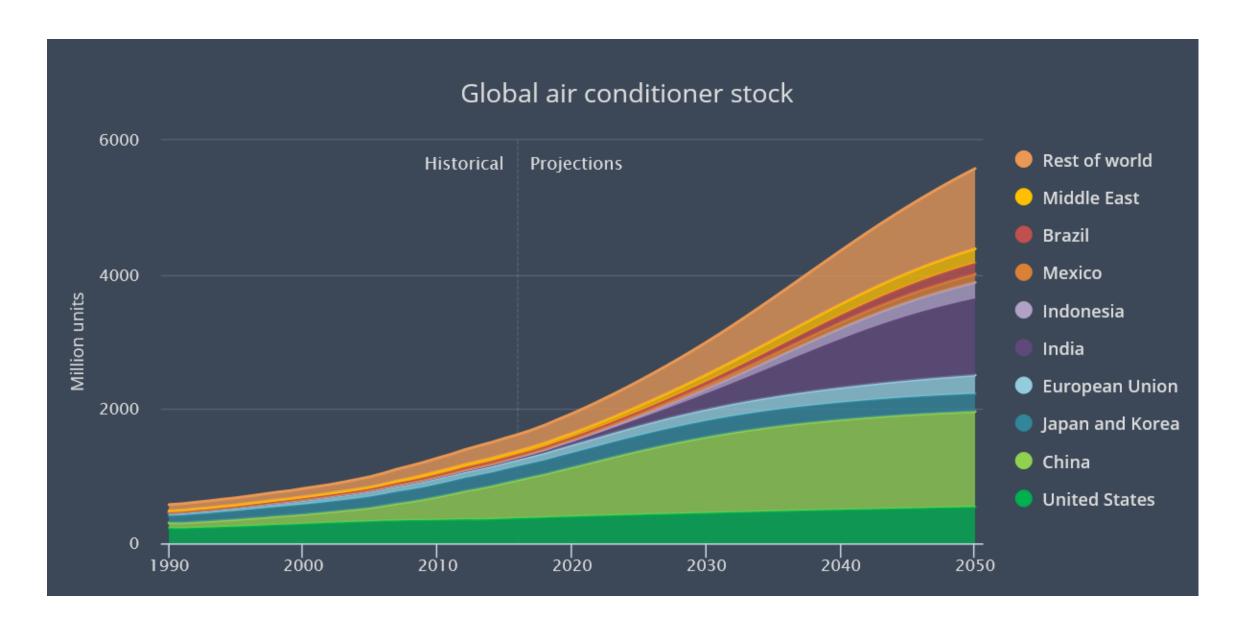


Percentage of households that have AC today





Source: IEA, 2018

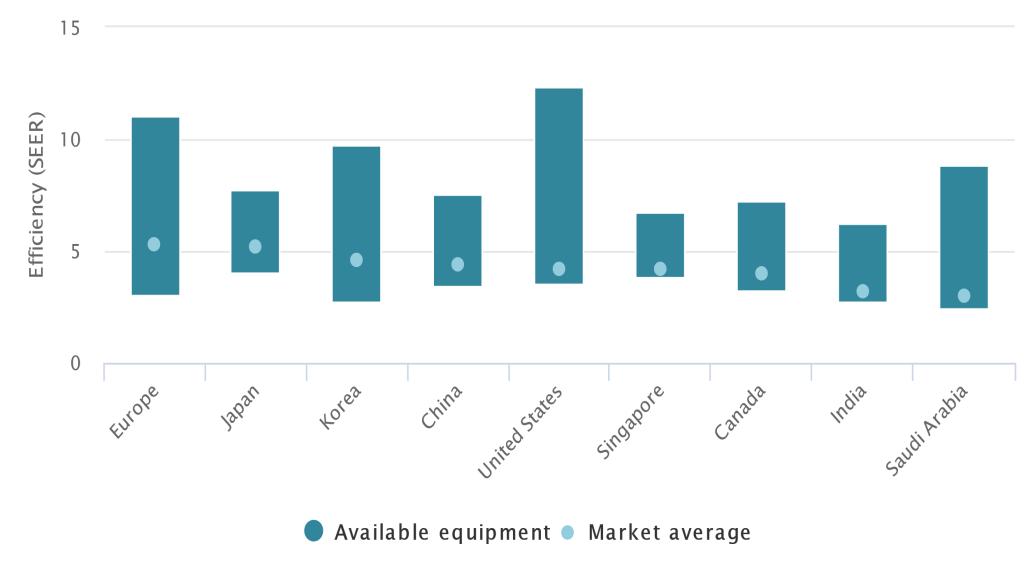




Source: IEA, 2018

Energy performance of air conditioners available today

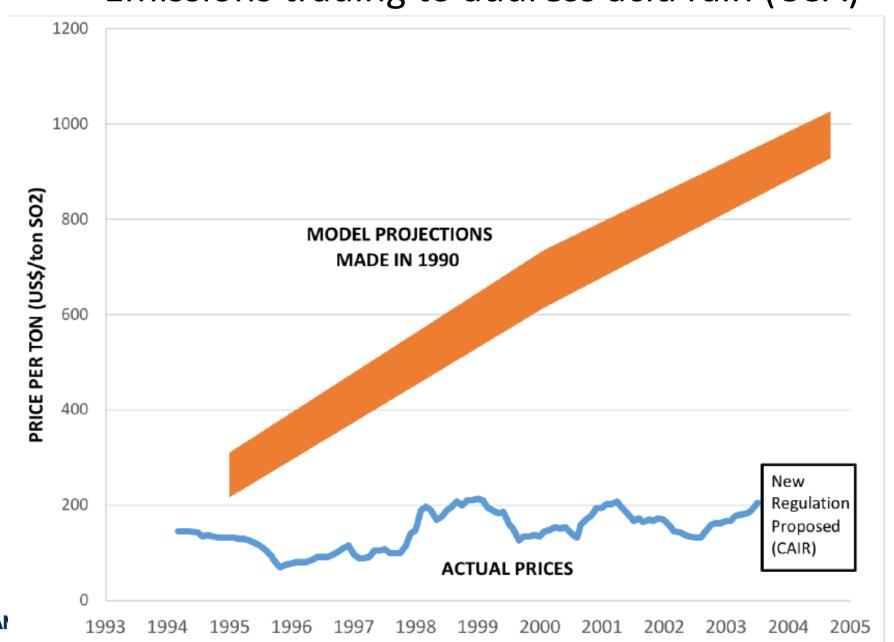
The average efficiency of air conditioners sold today is less than half of what is typically available on the shelves – and one third of best available technology





Source: IEA, 2018

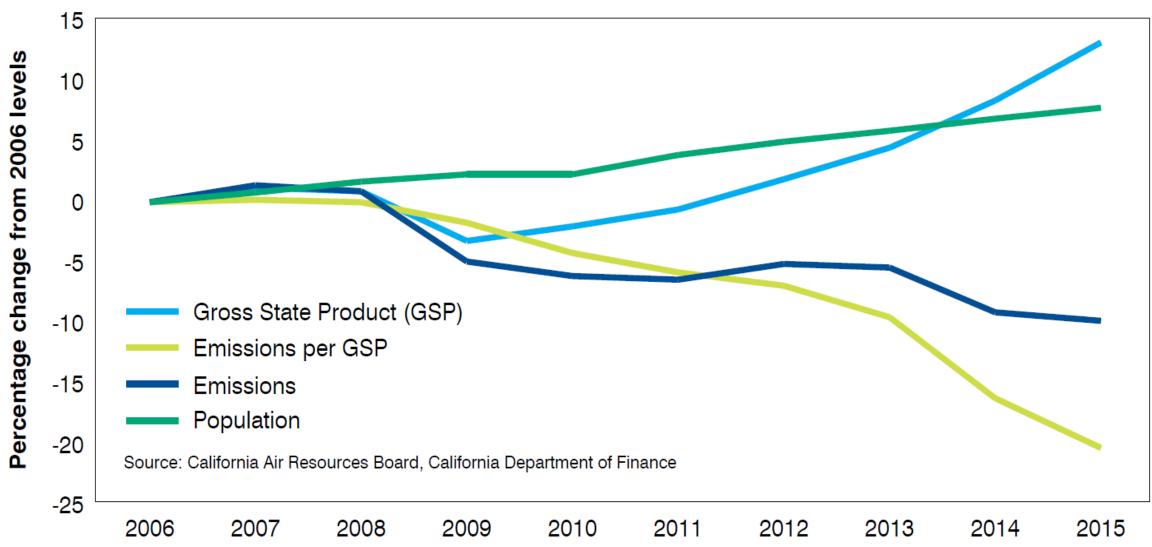
Emissions trading to address acid rain (USA)



Source: Burtraw and

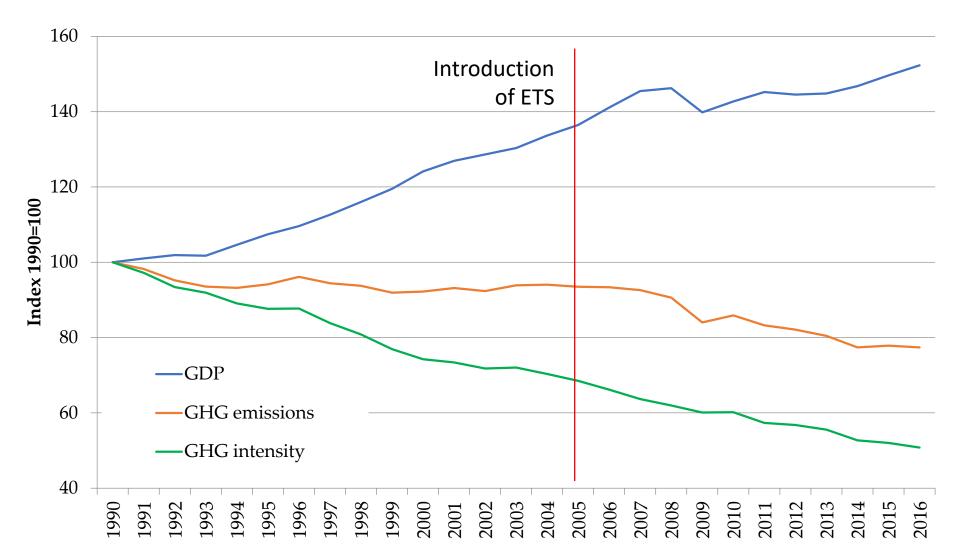
Keyes, 2018

California GHG emissions and economic growth since 2006



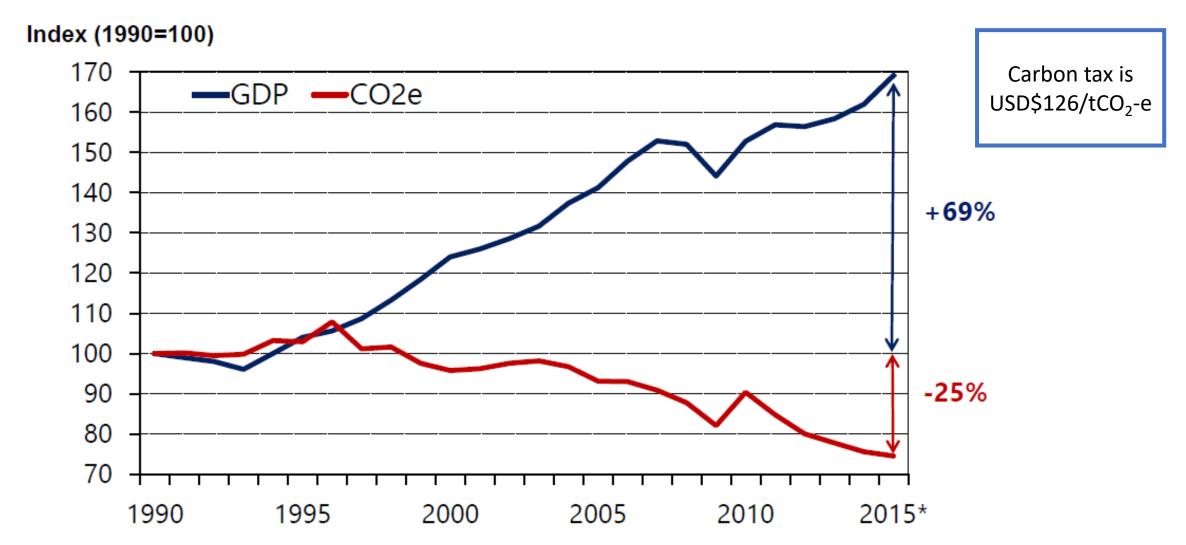


Change in real GDP and GHG emissions in the EU, 1990-2016





Real GDP and GHG emissions in Sweden, 1990-2015





Carbon pricing continues to emerge around the world

46 national and 25 subnational jurisdictions are putting a price on carbon

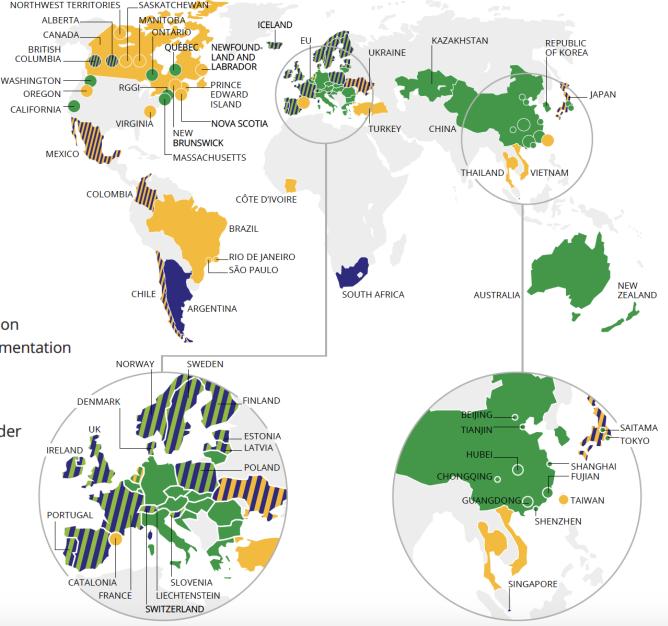
ETS implemented or scheduled for implementation

Carbon tax implemented or scheduled for implementation

ETS or carbon tax under consideration

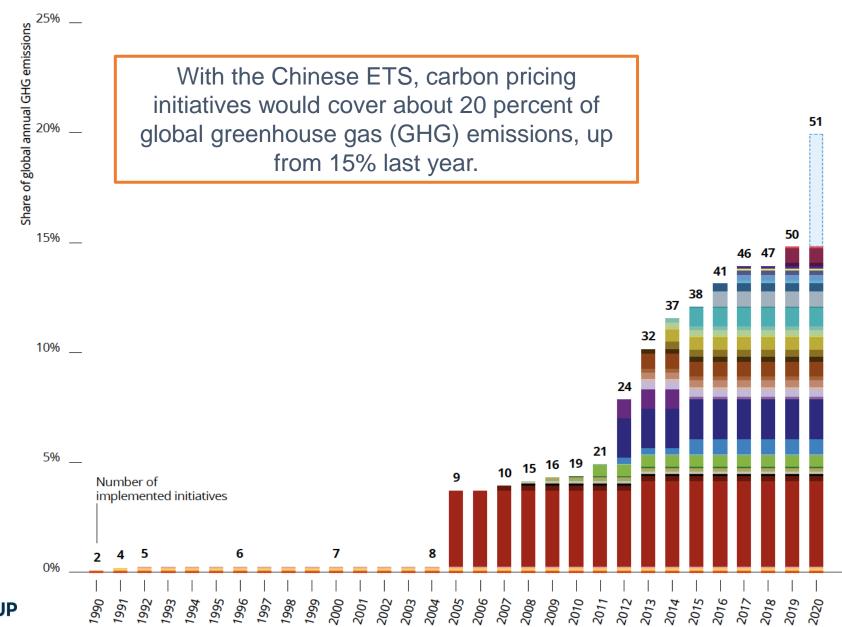
ETS and carbon tax implemented or scheduled

Carbon tax implemented or scheduled, ETS under consideration





Carbon pricing – growing share of global emissions

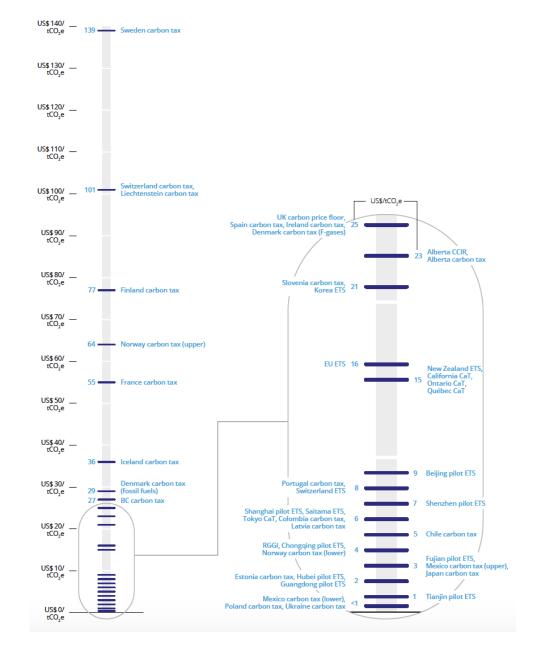




Prices in implemented carbon pricing initiatives

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





Carbon pricing revenues are rising

10%

20%

30%

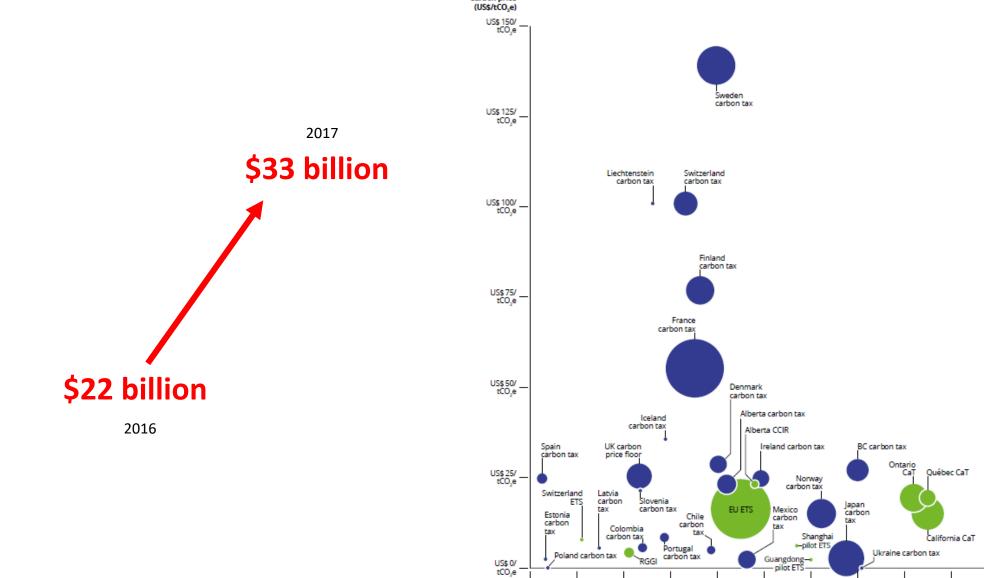
40%

50%

80%

Share of GHG emissions covered in the jurisdiction

100%



Carbon price

Thank you

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