



International Carbon
Action Partnership

The background of the slide is a photograph of a wind farm at sunset. The sun is low on the horizon, creating a bright orange and yellow glow. Several wind turbines are silhouetted against the sky. The foreground shows a misty or hazy landscape with trees and rolling hills.

Emissions trading systems worldwide

Stefano De Clara

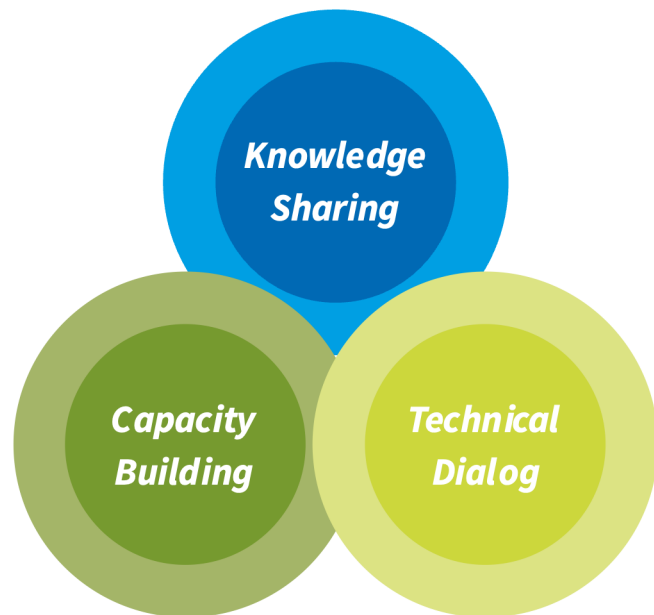
Head of Secretariat, International Carbon Action Partnership (ICAP)

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About the International Carbon Action Partnership

An international **forum** of **41 national & subnational** governments to **exchange** knowledge and experiences on emissions trading systems (**ETS**)

- Share **best practice** & learn from each others' experiences
- Facilitate **development and improvement** of carbon markets
- Explore the **role** of emissions trading in decarbonization

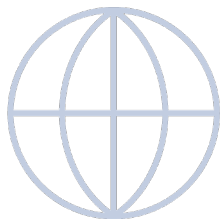


Key ETS trends



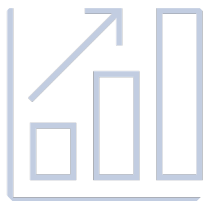
Momentum for ETS development and implementation continues

The number of systems and the global ETS coverage more than doubled over the last decade and continues to rise



ETSs worldwide have weathered an eventful year without major disruptions

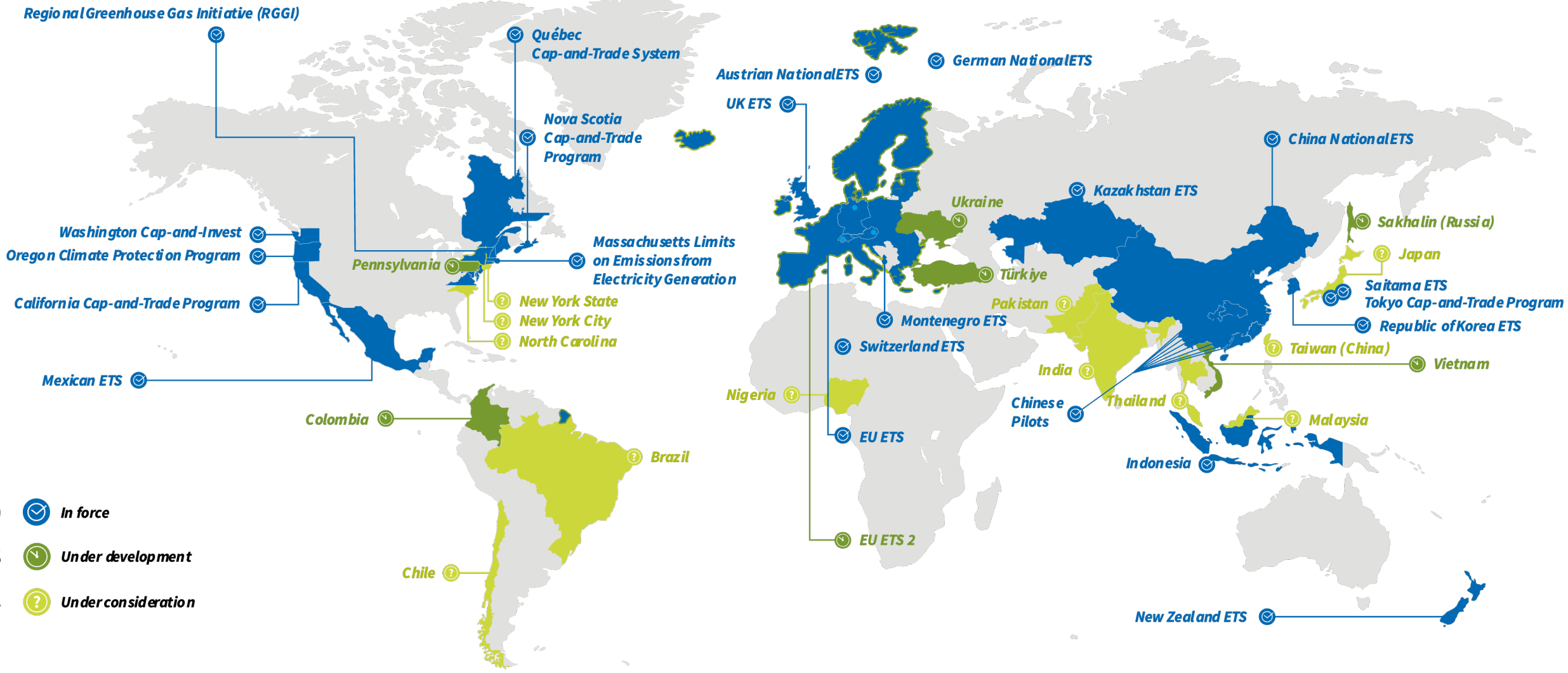
Despite the challenging and unprecedented global backdrop, existing systems showcased maturity and proved to be remarkably resilient to significant external shocks



Carbon prices remain largely unchanged but keep raising record revenues

After significant gains in 2021, prices in most systems started and ended 2022 at around the same levels, despite some fluctuations over the year. With more than USD 63 billion of auctioning proceeds collected, 2022 marked another record year

ETS worldwide

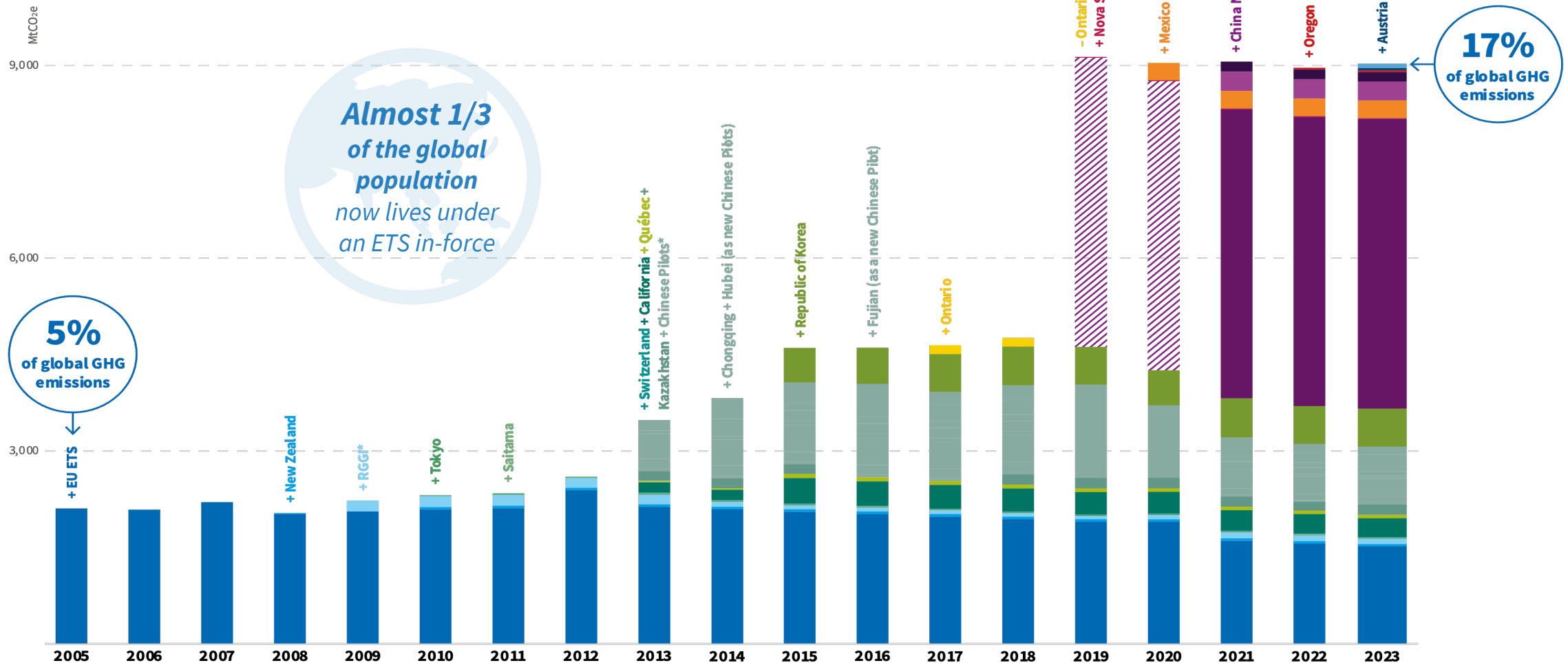


- 29  In force
- 8  Under development
- 12  Under consideration

Global expansion of ETS

The number of ETS systems in force grew from 25 to 29

Jurisdictions making up 55 % of global GDP are using emissions trading

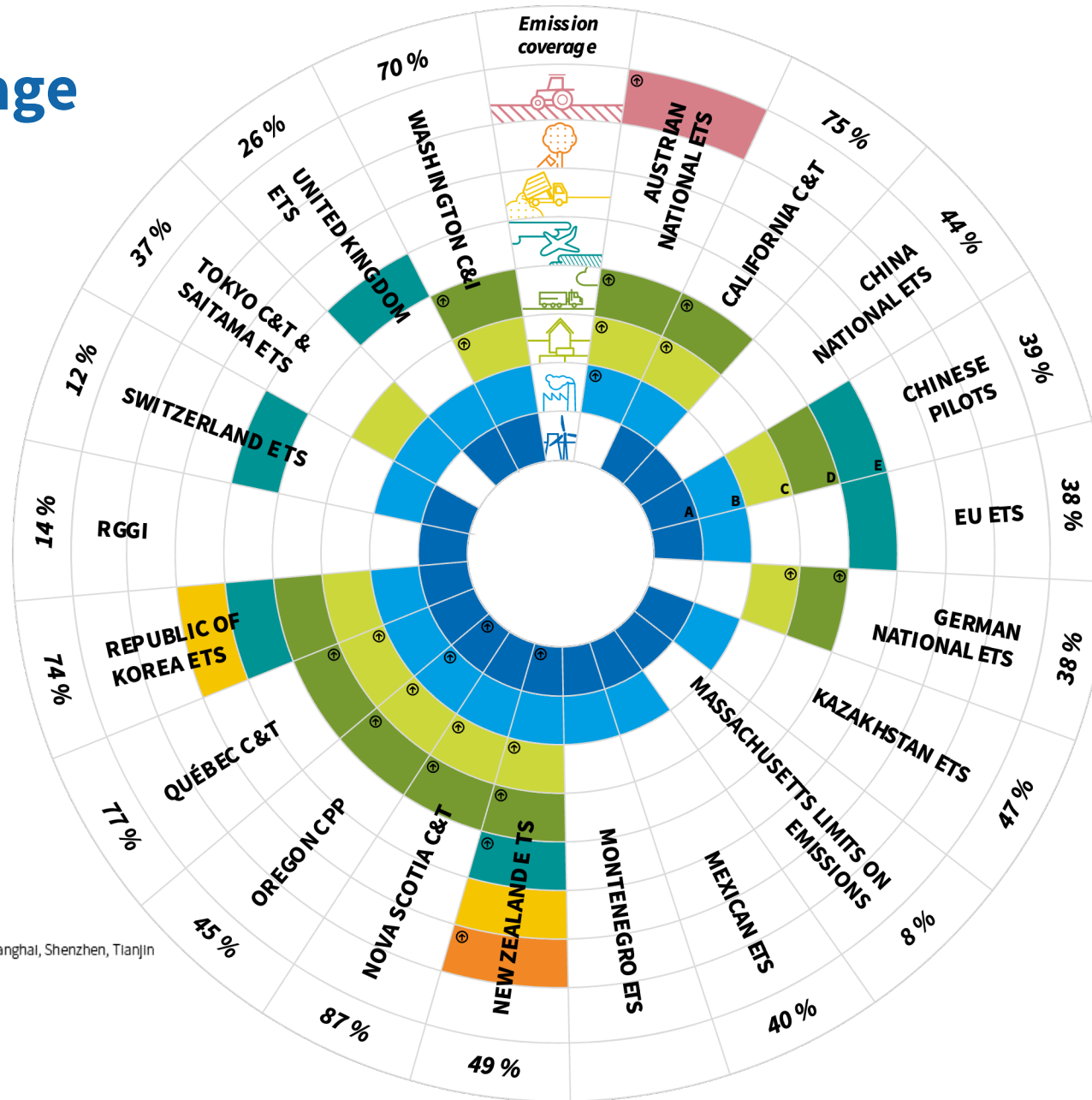


Sectoral coverage



- A The Fujian ETS covers the electricity grid
- B Beijing, Chongqing, Fujian, Guangdong, Hubei, Shanghai, Shenzhen, Tianjin
- C Beijing, Shanghai
- D Beijing, Shanghai, Shenzhen
- E Fujian, Guangdong, Shanghai

⤴ Indicates which sector is covered upstream



Most systems cover emissions from power and industry

The sectoral coverage of several ETSs expands to other sectors as well

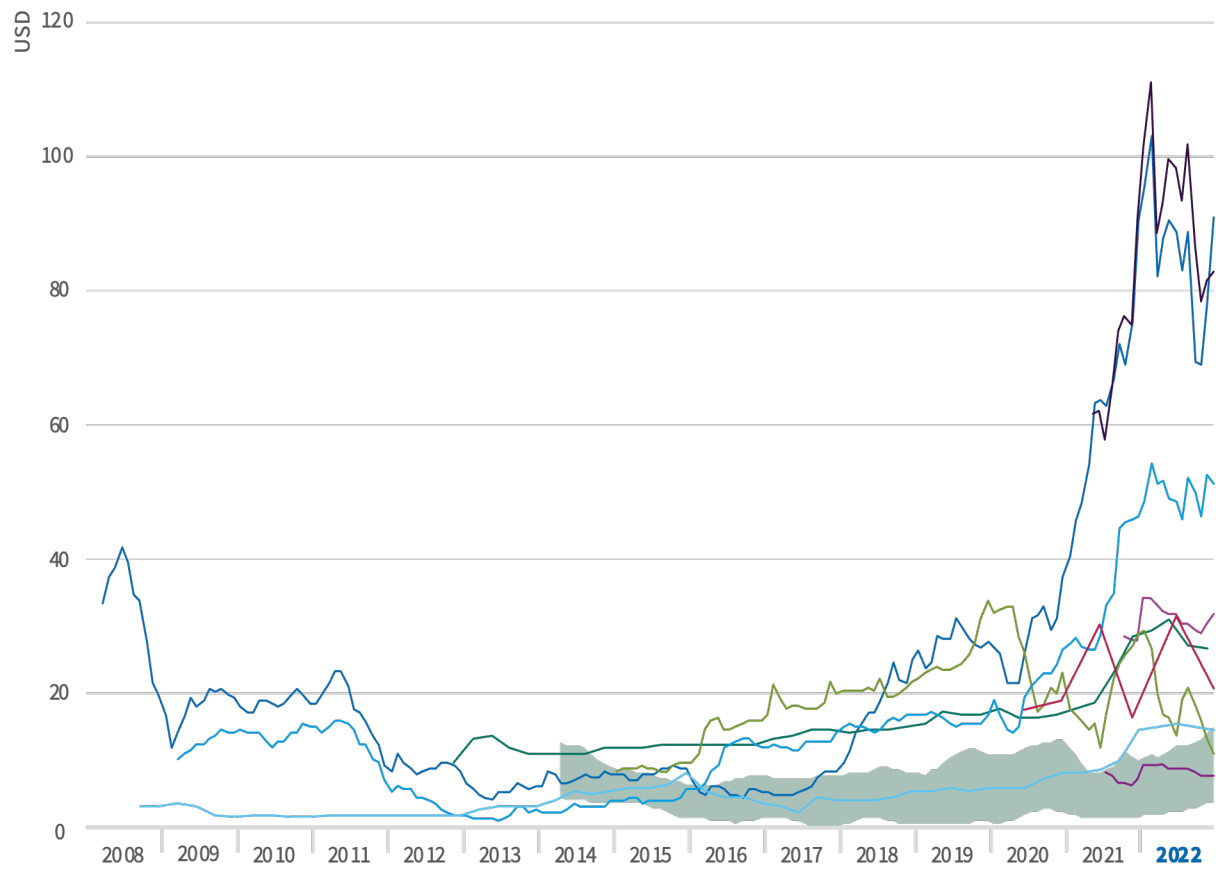
The share of emissions covered and the point of regulation (upstream vs downstream) varies across systems

Allowance price developments

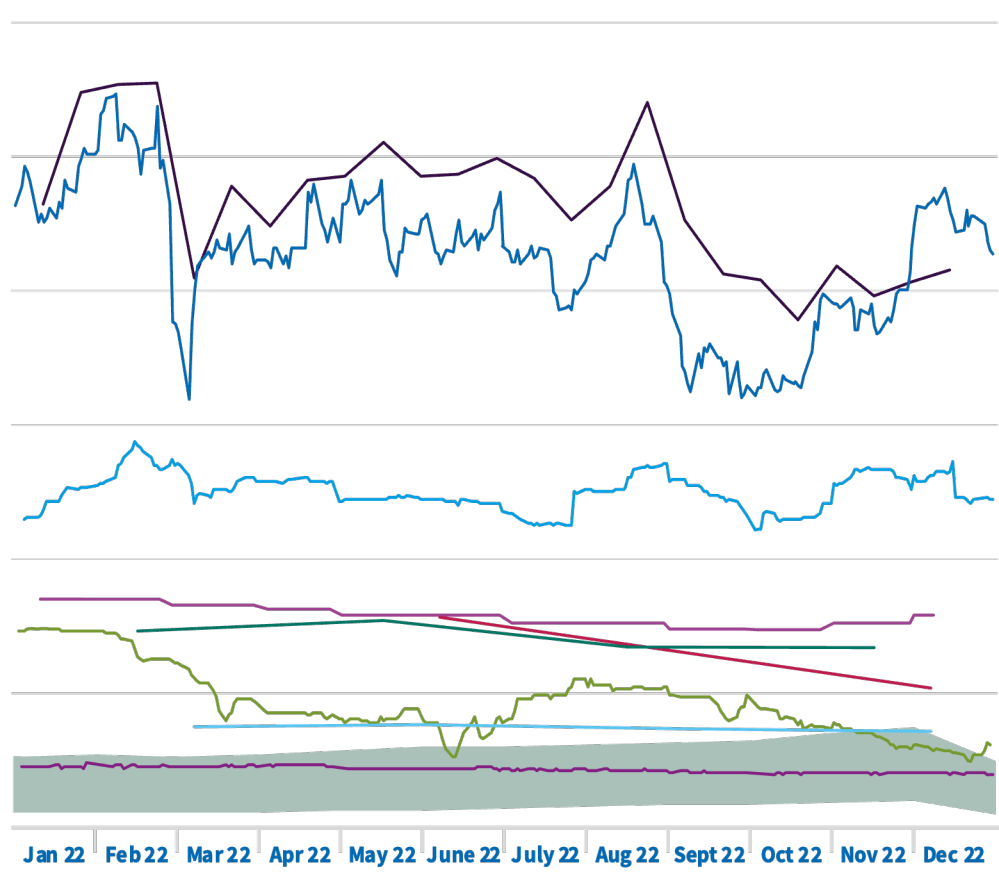
Allowances prices in most systems ended 2022 largely unchanged

This follows significant price gains and record levels over the last 3+ years

2008-2022



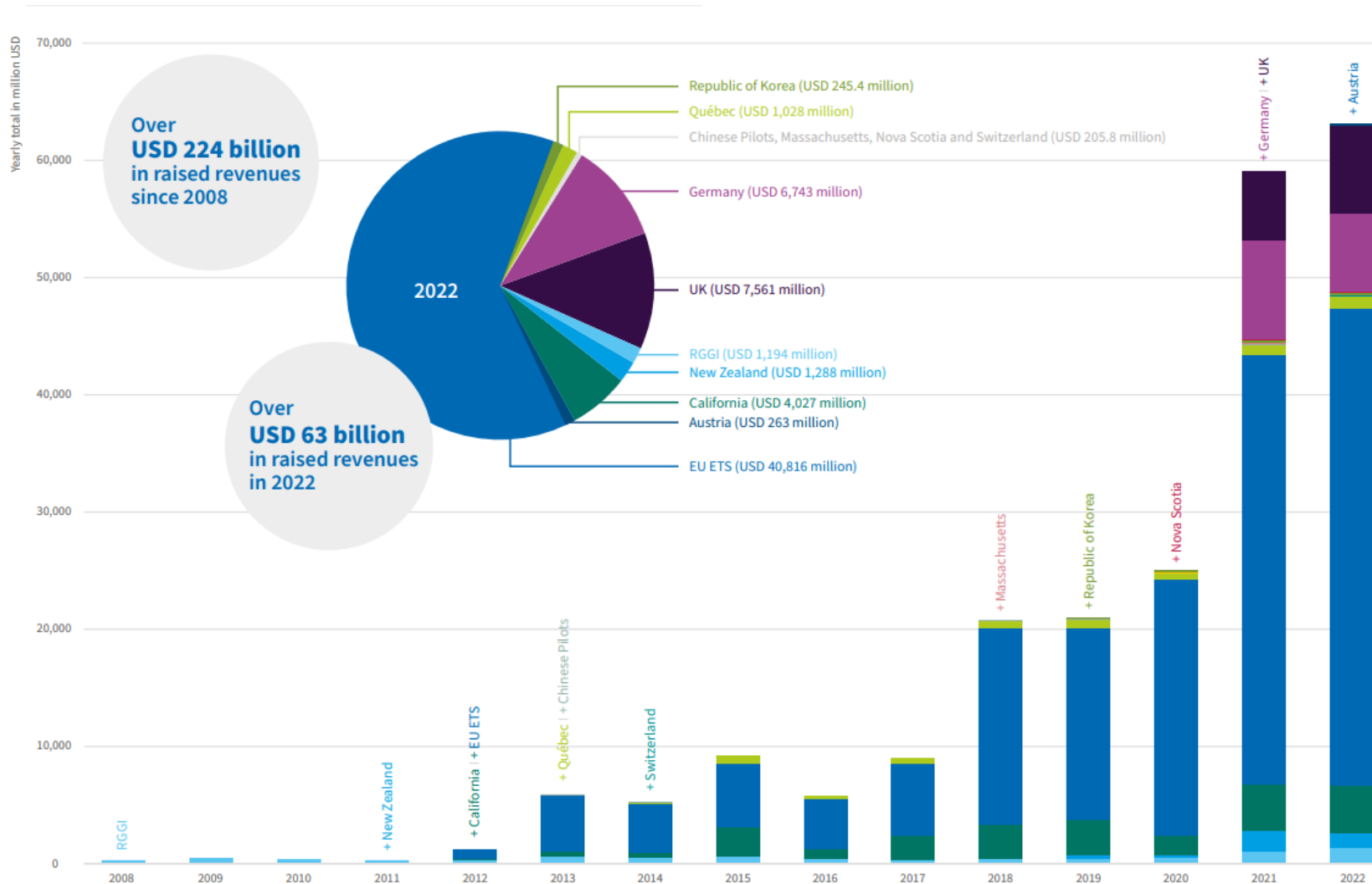
2022



- EU ETS
- UK*
- New Zealand
- Germany*
- California /Québec*
- Nova Scotia*
- RGGI*
- Republic of Korea
- China
- Chinese Pilots

* Primary market data

Auctioning revenues



High carbon prices and new revenue streams raised a record \$63 billion globally in 2022. The EU ETS represents 2/3 of the total.

More than half of the total revenues raised by ETSs since 2008 was collected in 2021 and 2022 alone

Revenues are being reinvested to further climate action or assist industry and consumers

Thank you



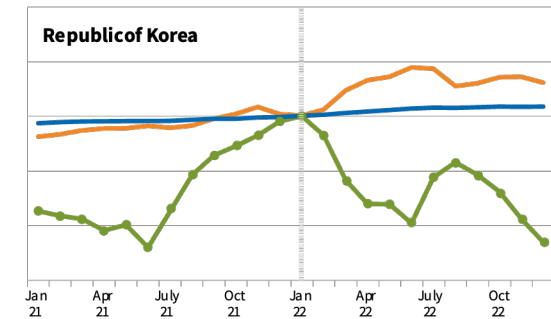
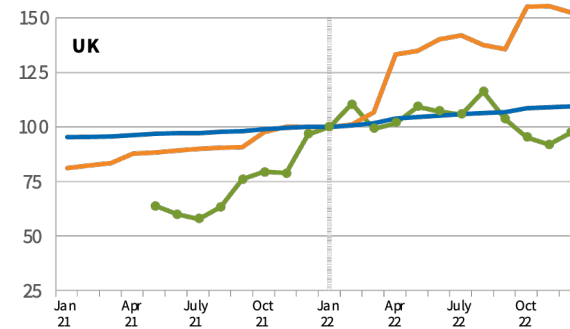
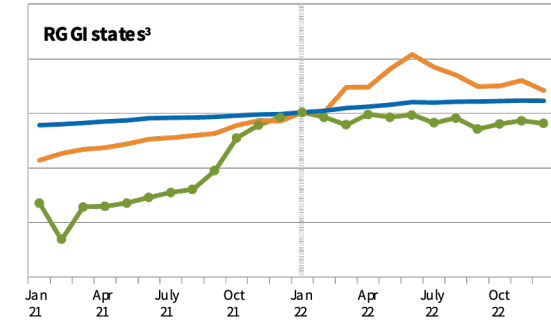
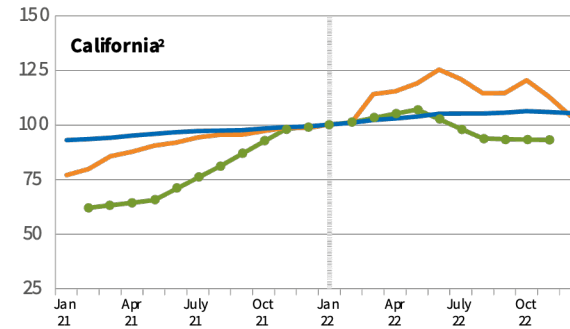
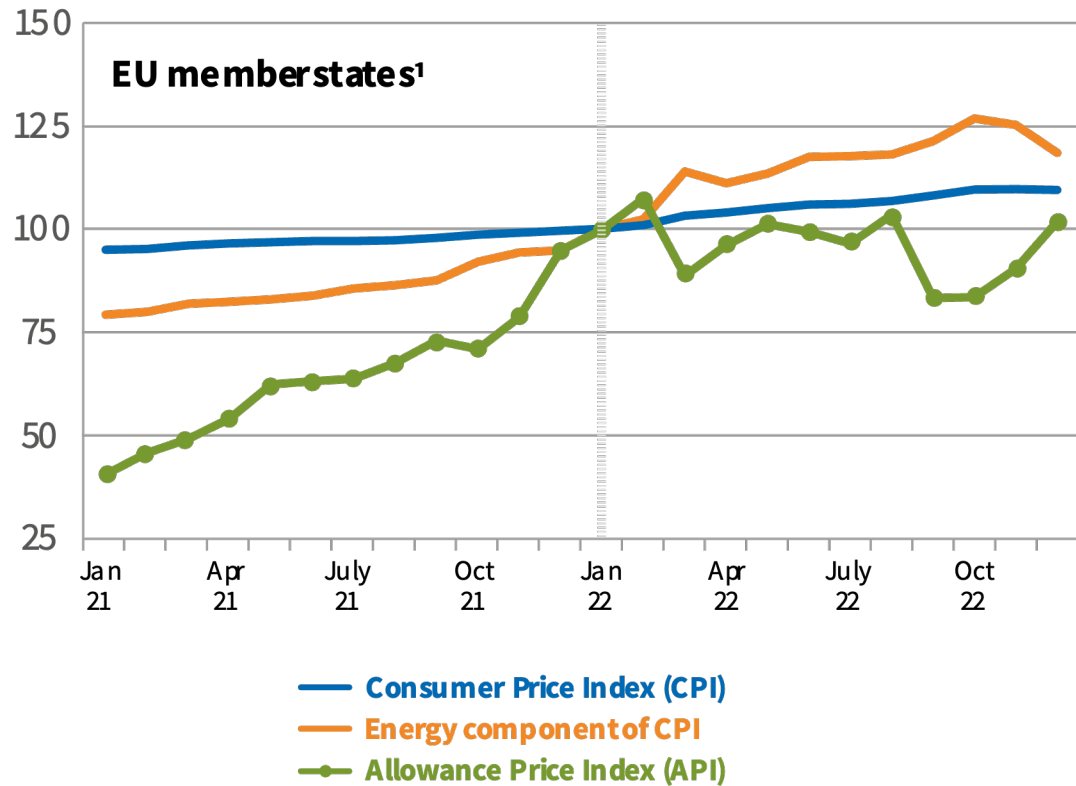
@ICAPSecretariat



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www.icapcarbonaction.com

ETS and the energy crisis



The consumer price index and its energy component increased significantly in 2022

On the contrary, allowance prices largely stagnated over the year after seeing significant gains in 2021

1 CPI and an d energy component of CPI correspond to values for the EU 27 member states.
 2 CPI and the energy component of CPI in California correspond to values in the West urban region.
 3 CPI and the energy component of CPI in RGGI states correspond to values in the Northeast urban region.