

Monash/C2Zero Real Carbon Price Index

Fact sheet | 31 December 2021

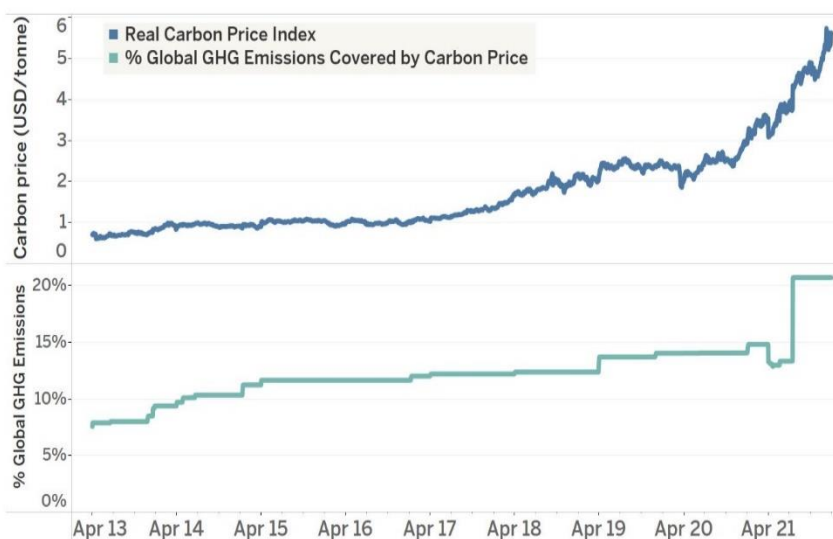
The Monash/C2Zero Real Carbon Price Index (RCPI) provides a weighted composite measure of the physical price of carbon across all jurisdictions, based on mandated carbon prices set by regulators and governments.

The RCPI covers national, subnational and regional jurisdictions that implemented a carbon tax or carbon emissions trading schemes (ETS) ¹ and also jurisdictions with no mandatory carbon price – the latter being counted in the index using a price of zero.

The RCPI enables an overall global carbon price and price history to be determined, reflecting the global value of carbon, as priced across all jurisdictions, dating back to 2013.

Historical Index Value

(ARP 2013- DEC 2021)



Highlights

- As of April 2013, the RCPI covers 20 jurisdictions that had implemented a carbon tax or carbon ETS, accounting for 7.88 per cent of global carbon emissions.
- As of December 2021, the RCPI covers 51 jurisdictions that had implemented a carbon tax or carbon ETS, accounting for 20.71 per cent of global carbon emissions.
- The RCPI increased by 6.54% in December 2021.
- The five jurisdictions with the largest increases in carbon price were Beijing (118%), Shenzhen (111%), Fujian (70.32%), China National ETS (26.40%), and Guangdong (17.38%)² in December 2021.

Index Price Change

| | Percentage Change | | | Annualised Percentage Change | | | |
|------|-------------------|--------|--------|------------------------------|--------|--------|------------------|
| | 1 Mo | 3Mo | YTD | 1Yr | 3Yr | 5Yr | Since April 2013 |
| RCPI | 6.54% | 16.97% | 91.13% | 91.13% | 36.79% | 40.37% | 26.91% |

Calendar Month Price Change

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | YTD |
|------|--------|--------|---------|---------|--------|--------|--------|--------|--------|---------|--------|--------|---------------------|
| 2021 | 7.98% | 5.89% | 5.81% | -3.83% | 12.40% | 1.32% | 13.96% | 6.23% | 1.86% | -3.49% | 13.75% | 6.54% | 91.13% |
| 2020 | -3.79% | -0.88% | -13.53% | 7.80% | 2.81% | 12.80% | -0.63% | 5.96% | -4.31% | -5.50% | 13.19% | 7.93% | 19.90% |
| 2019 | -6.01% | -0.65% | -1.28% | 19.03% | -3.77% | 5.68% | 0.85% | -4.05% | -2.88% | 4.42% | -0.07% | 2.06% | 11.68% |
| 2018 | 8.86% | 0.92% | 12.05% | 2.56% | 3.34% | -0.35% | 5.23% | 8.28% | 0.58% | -12.65% | 11.57% | 11.79% | 62.34% |
| 2017 | 5.37% | -0.19% | -5.59% | 8.03% | 3.46% | 0.87% | 3.96% | 3.46% | 3.22% | 1.24% | 3.63% | 0.59% | 31.15% |
| 2016 | -9.18% | -2.47% | 6.59% | 8.92% | -3.68% | -8.19% | 0.51% | 2.04% | 4.06% | 2.22% | -8.24% | 8.34% | -1.37% |
| 2015 | 2.32% | -0.69% | -3.01% | 17.46% | -3.73% | 0.59% | -0.62% | 2.89% | 0.09% | 2.15% | -2.59% | 0.53% | 14.75% |
| 2014 | 3.12% | 12.59% | -14.57% | 13.82% | -3.57% | 6.40% | -0.73% | -2.04% | -6.51% | -0.14% | 2.21% | -0.43% | 7.03% |
| 2013 | | | | -10.03% | 5.22% | 2.33% | 3.26% | 1.41% | 5.69% | -1.13% | -0.72% | 15.83% | 16.01% ³ |

¹ As of April 2021, 65 national, subnational and regional jurisdictions had implemented a carbon tax or carbon ETS. The RCPI covers 51 of those jurisdictions. The other 14 jurisdictions are excluded due to the lack of available data.

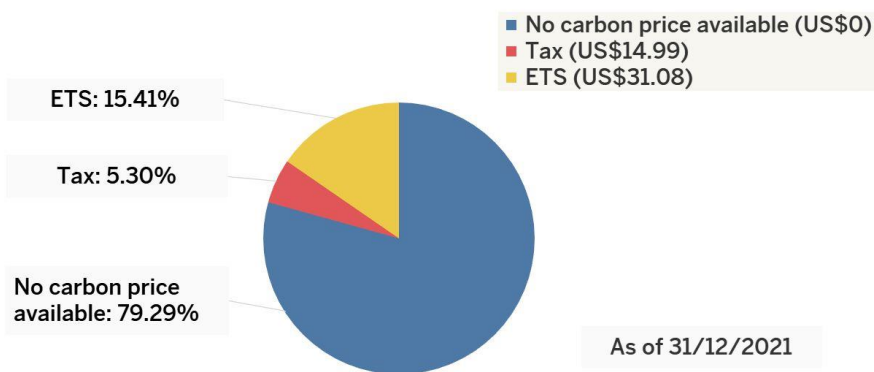
² Beijing, Shenzhen, Fujian, and Guangdong are part of China's pilot ETS programs. China National ETS is the world's largest ETS and covers 7.38% of the global greenhouse gas emissions.

³ The return is calculated as the annualised price change from April 2013 to December 2013.

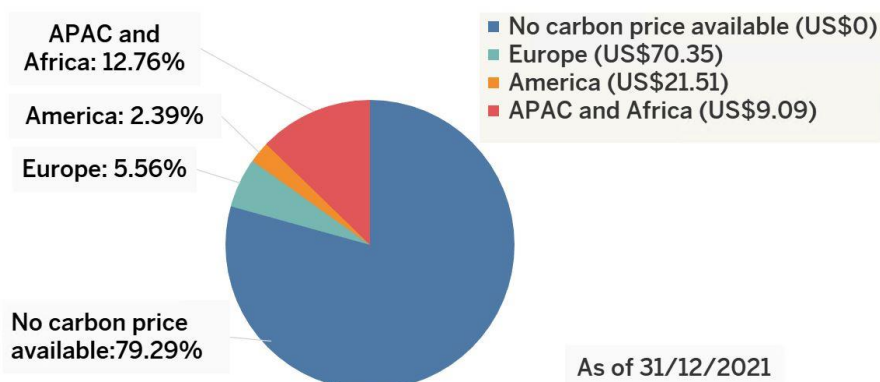
Top 10 Constituents

| Jurisdiction | Instrument | % Global GHG Emissions | Price (US\$/tonne) (31/12/2021) |
|-------------------------|------------|------------------------|---------------------------------|
| China National ETS | ETS | 7.38% | 8.53 |
| EU ETS | ETS | 3.14% | 90.52 |
| Japan carbon tax | Tax | 1.82% | 2.51 |
| South Africa carbon tax | Tax | 0.95% | 8.41 |
| Korea ETS | ETS | 0.95% | 29.52 |
| Germany ETS | ETS | 0.74% | 28.43 |
| California CaT | ETS | 0.65% | 32.39 |
| Ukraine carbon tax | Tax | 0.41% | 0.37 |
| UK ETS | ETS | 0.36% | 98.92 |
| Mexico carbon tax | Tax | 0.35% | 3.17 |

Instrument Weights



Region Weights



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