

CONFERENCE OF EUROPEAN STATISTICIANS

Expert Forum for Producers and Users of Climate Change-Related Statistics

29-30 September 2022, Geneva

QUARTERLY GREENHOUSE GAS EMISSIONS IN NEW ZEALAND

Adam Tipper, New Zealand, adam.tipper@stats.govt.nz

Abstract

In 2021, Stats NZ developed new experimental quarterly estimates of greenhouse gas (GHG) emissions, to provide more timely data on New Zealand's production-based emissions. This was done within the System of Environmental-Economic Accounting (SEEA) framework to track emissions in relation to economic activity.

Quarterly emissions data provides more timely information on New Zealand's greenhouse gas profile. Measuring GHG emissions on a quarterly basis, using an industry classification consistent with those used in producing gross domestic product (GDP), allows to quickly identify what emissions path the economy is on, and whether emissions are decoupling from economic growth. Quarterly information also allows turning points to be identified with greater accuracy, which may be useful for decision-makers.

Initially released as an experimental series in 2021, the quarterly GHG emissions (industry and household) estimates were further developed, internationally peer reviewed, and improved over the course of a year, to become an official statistical series in July 2022.

Full report presenting the New Zealand's methodology for constructing quarterly emissions estimates is available at: [Quarterly greenhouse gas emissions \(industry and household\): Sources and methods | Stats NZ](#)

* * * * *