

Global Carbon Market: Size and Trends with Impact Analysis of COVID-19 (2021 Edition)

March 2022



Global Carbon Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Impact of COVID-19

Dynamics

Competitive Landscape

Initiatives/ Emission Trading Systems (ETS) Profiles

Global Carbon Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Carbon Market: Size and Trends with Impact Analysis of COVID-19 (2021 Edition)
Coverage	Global
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Key Initiatives/ Emission Trading Systems	EU ETS, California Cap-and-Trade Program, Regional Greenhouse Gas Initiative (RGGI), Korea Emissions Trading System, and China National ETS

Global Carbon Market: Coverage

Executive Summary

The world's major environmental concern is the uncontrolled emission of carbon or greenhouse gas (GHG) emissions. In lieu of the same and coming with a better idea to combat the same, the system of the carbon market is established. The carbon market refers to the market in which carbon credits, in other words carbon certificates, are obtained and sold within defined standards for the prevention or reduction of GHGs. A regulatory mechanism ensures that countries are made responsible for every amount of emissions they generate. Governments around the world have established carbon markets, where emissions (or emissions reductions) can be exchanged from one entity to another. Carbon markets help companies offset their emissions and work towards their climate goals.

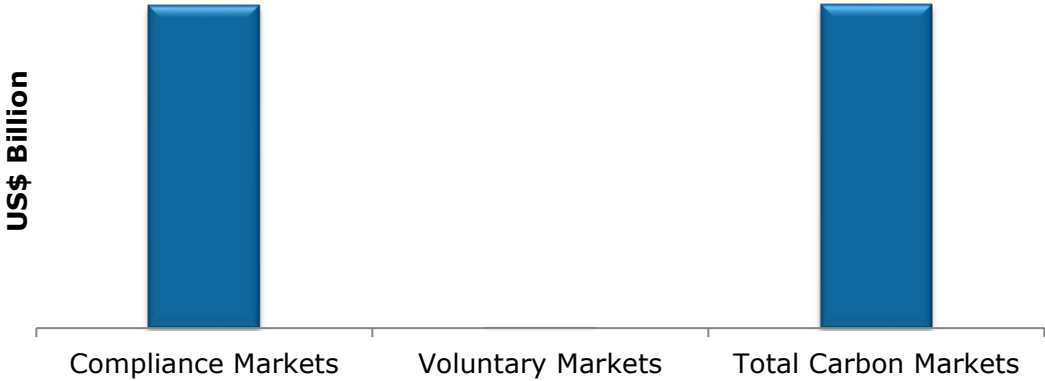
The global carbon market by value can be segmented as Compliance Market and Voluntary Market. The global carbon market by traded value and volume can be segmented as North America, China, The UK, New Zealand, South Korea, and Certified Emission Reductions (CERs).

The economic impact of the COVID-19 pandemic had the potential to shock carbon markets around the world. However, markets demonstrated remarkable resilience, first reacting rationally to lower demand through price decreases, and then returning to near-normal functioning. Compared to after the global financial crisis, ETSs have weathered the shock without major effects.

The global carbon market has increased during the years 2017-2021. The global carbon market is expected to increase due to rising carbon emission, growing coverage of carbon pricing initiatives, increasing demand of voluntary carbon credits, increase in carbon pricing, increase in adoption of net zero targets, etc. Yet the market faces some challenges such as, difficulty in mobilizing potential supply, problems of homogeneity, justice, gaming, and knowledge, etc. Moreover, the market growth would succeed by various market trends like new developments enhancing carbon market accessibility and liquidity, increasing corporate efforts in carbon offsetting, development in emission trading system, carbon as a new investment asset class, article 6 agreement redefining global carbon offset markets, etc.

Carbon Market: Global Analysis

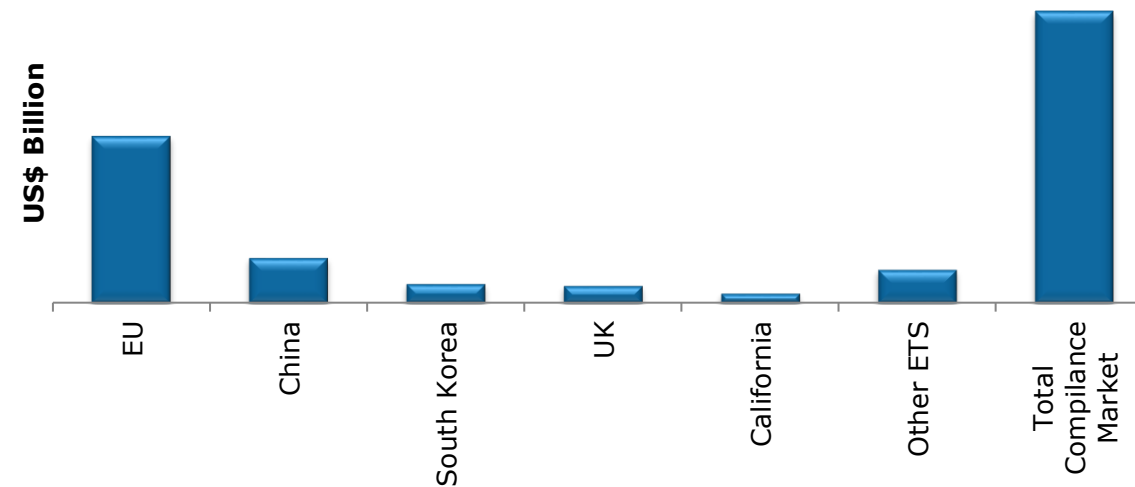
Global Carbon Market by Value; 2021



In 2021, the global carbon market value was US\$... billion. Two types of carbon market exist; the compliance and the voluntary markets. In 2021, the compliance market was valued at US\$... billion, while the voluntary market was valued at US\$... billion.

Carbon Market: Global Analysis

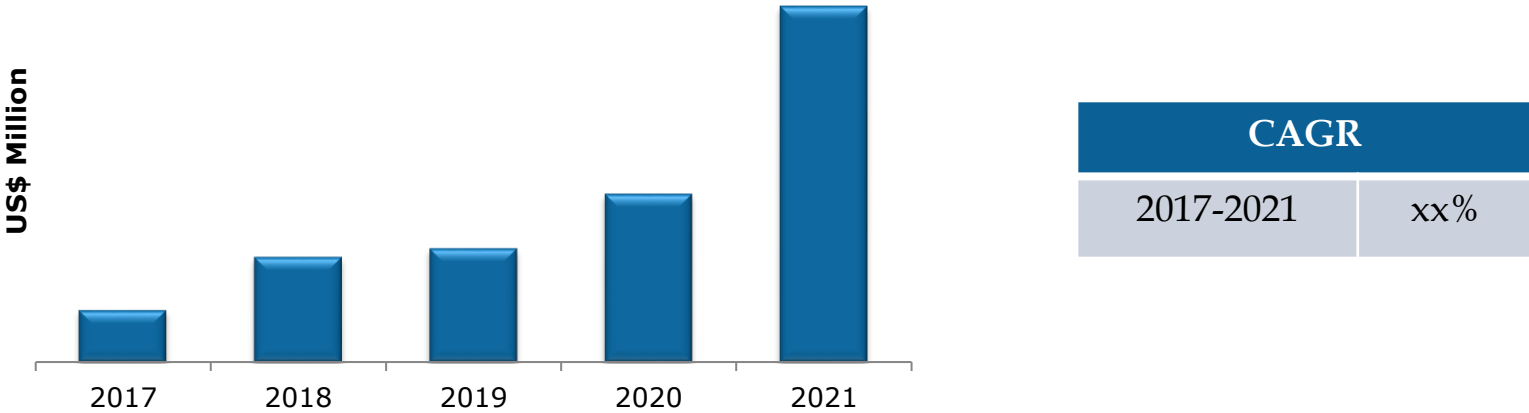
Global Compliance Carbon Market by Segment; 2021



Key carbon markets in compliance carbon markets include European Union (EU), China, South Korea, the UK, California, and other Emission Trading Systems (ETS).

Carbon Market: Global Analysis

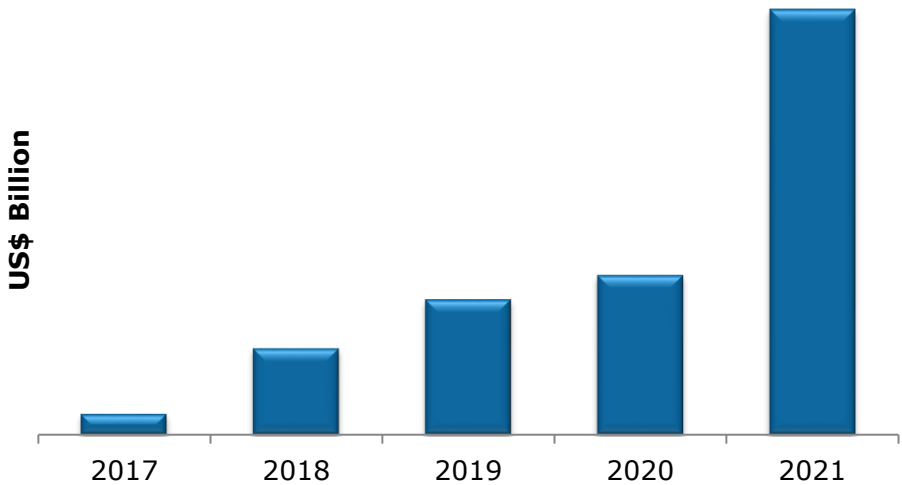
Global Voluntary Carbon Offset Market by Value



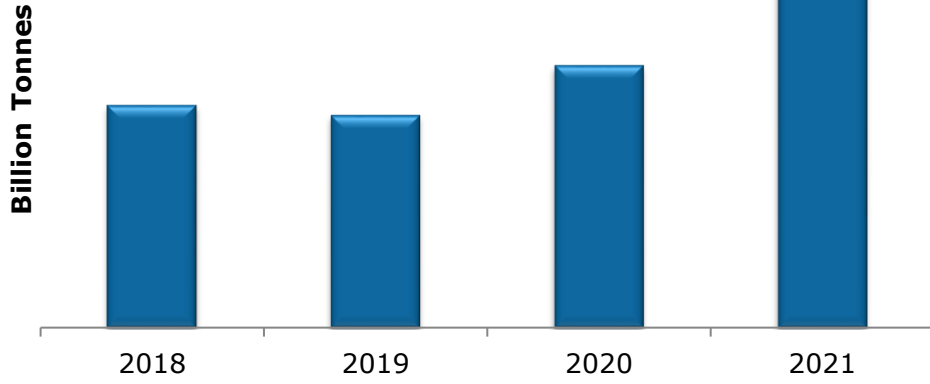
The market value of the global voluntary carbon offset market has reached US\$... million in 2021, increased from US\$... million in 2020. The market has grown at a CAGR of xx% over the year 2017-2021.

Carbon Market: Global Analysis

Global Carbon Market by Traded Value



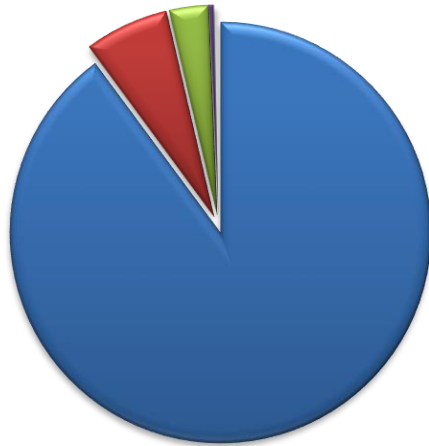
Global Carbon Market by Traded Volume



The trading value of global carbon market reached US\$... billion in 2021, increased from US\$... billion in 2020.
The trading volume of global carbon markets reached ... billion tonnes in 2021, increased from billion tonnes in 2020.

Carbon Market: Global Analysis

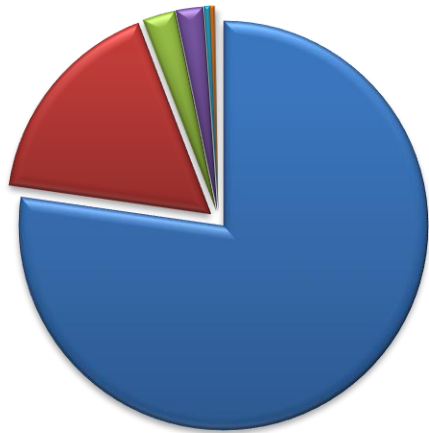
Global Carbon Market Traded Value by Segment; 2021



Segment	Share
Europe	xx%
North America	xx%
UK	xx%
New Zealand	xx%
China	xx%
South Korea	xx%
CERs	xx%

Carbon Market: Global Analysis

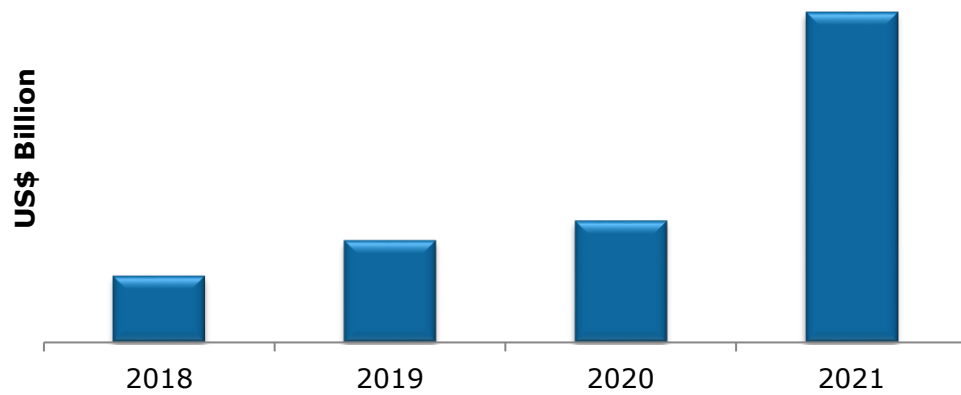
Global Carbon Market Traded Volume by Segment; 2021



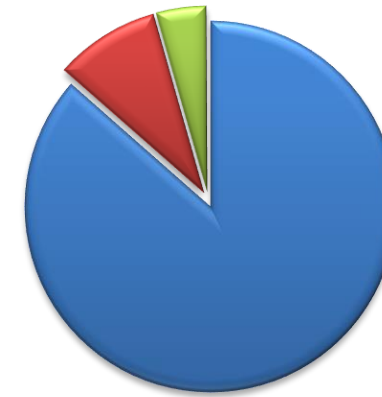
Segment	Share
Europe	xx%
North America	xx%
China	xx%
UK	xx%
New Zealand	xx%
South Korea	xx%
CERs	xx%

Carbon Market: Europe Analysis

Europe Carbon Market by Traded Value



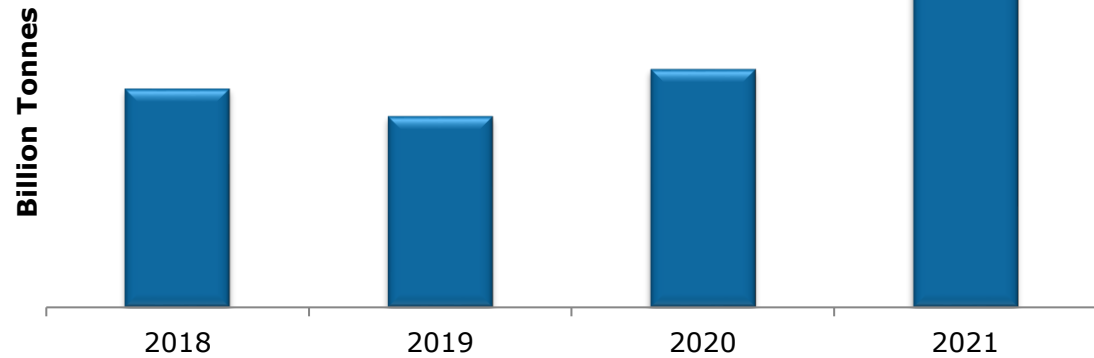
Europe Carbon Market Traded Value by Segment; 2020



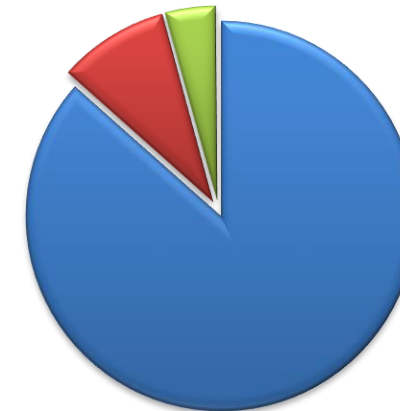
Segment	Share
EUAs Exchange Traded	xx%
EUAs Auctioned	xx%
EUAs OTC	xx%
Aviation EUAs	xx%
sCERs Exchange Traded	xx%

Carbon Market: Europe Analysis

Europe Carbon Market by Traded Volume



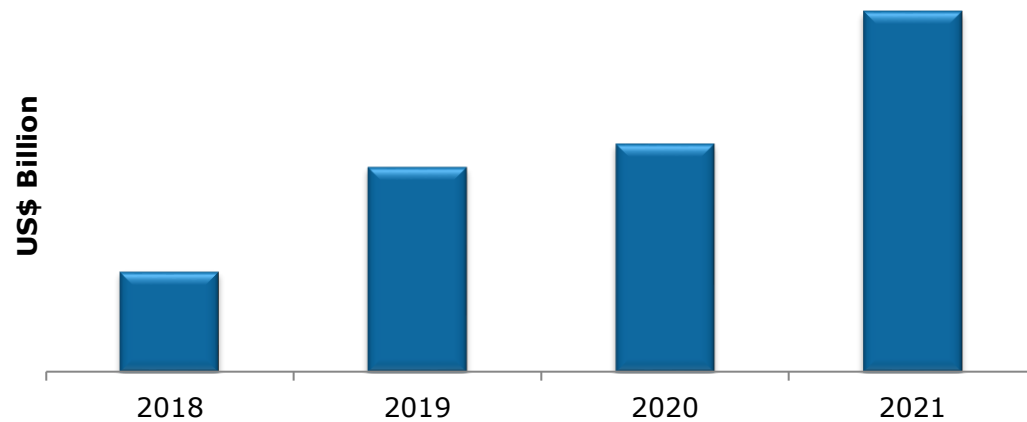
Europe Carbon Market Traded Volume by Segment; 2020



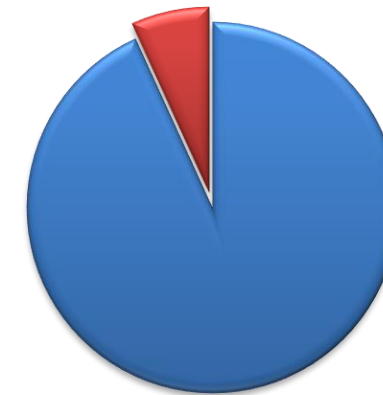
Segment	Share
EUAs Exchange Traded	xx%
EUAs Auctioned	xx%
EUAs OTC	xx%
Aviation EUAs	xx%
sCERs Exchange Traded	xx%

Carbon Market: North America Analysis

North America Carbon Market by Traded Value



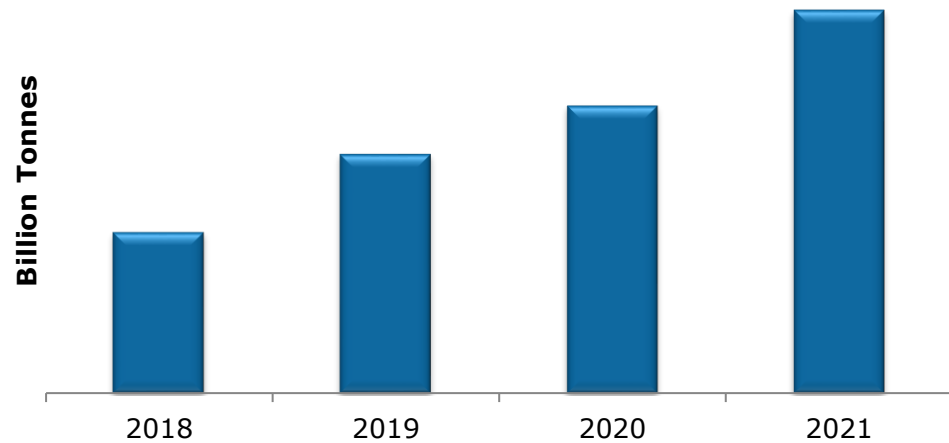
North America Carbon Market Traded Value by Segment; 2020



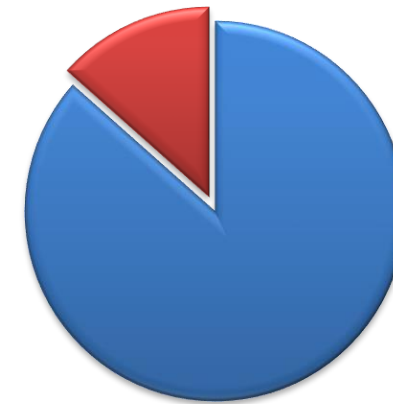
Segment	Share
Western Climate Initiative (WCI)	xx%
Regional Greenhouse Gas Initiative (RGGI)	xx%

Carbon Market: North America Analysis

North America Carbon Market by Traded Volume



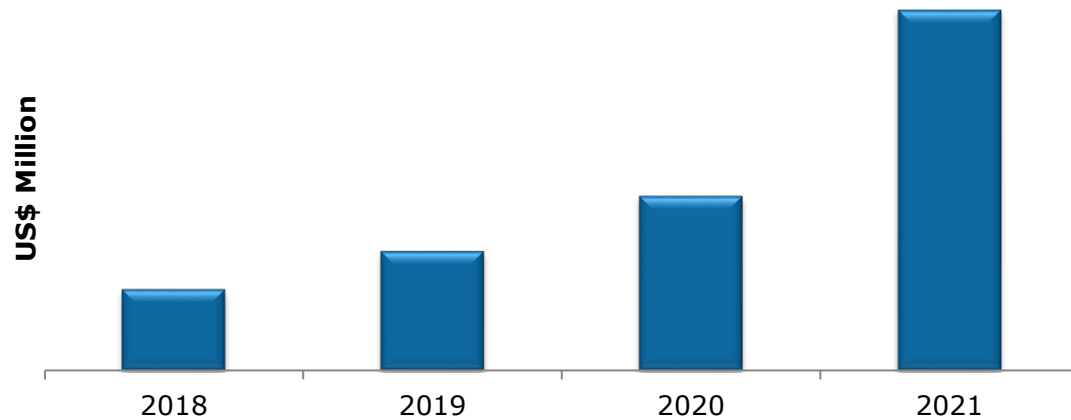
North America Carbon Market Traded Volume by Segment; 2020



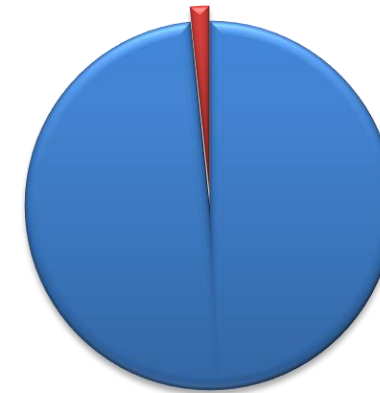
Segment	Share
Western Climate Initiative (WCI)	xx%
Regional Greenhouse Gas Initiative (RGGI)	xx%

Carbon Market: Certified Emission Reductions Analysis

Certified Emission Reductions Carbon Market by Traded Value



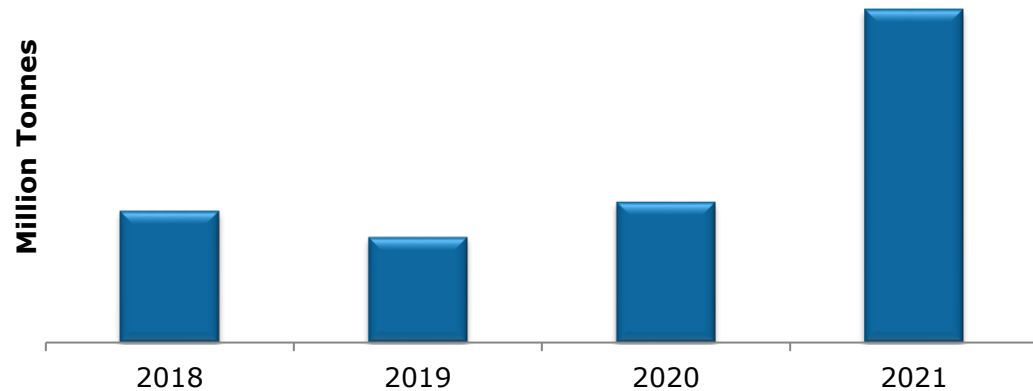
Certified Emission Reductions Carbon Market Traded Value by Segment; 2020



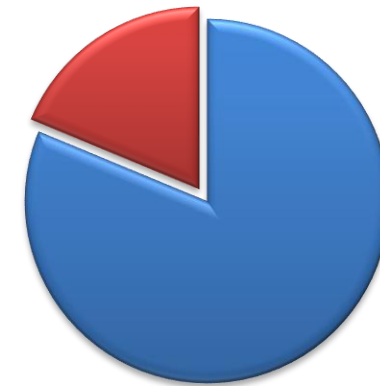
Segment	Share
Primary Market	xx%
Secondary Market	xx%

Carbon Market: Certified Emission Reductions Analysis

Certified Emission Reductions Carbon Market by Traded Volume



Certified Emission Reductions Carbon Market Traded Volume by Segment; 2020



Segment	Share
Primary Market	xx%
Secondary Market	xx%

Global Carbon Market: Dynamics



Global Carbon Market: Competitive Landscape

key Initiatives/ Emission Trading Systems (ETS) Profiled

- EU ETS
- California Cap-and-Trade Program
- Regional Greenhouse Gas Initiative (RGGI)
- Korea Emissions Trading System
- China National ETS