

# **Carbon Capture and Sequestration Market by Service type (Capture (Pre-Combustion, Post-Combustion, & Oxy-Fuel), Transport, and Sequestration), by Application (EOR, Industrial, and Agricultural), and by Region - Global Trends and Forecast to 2021**

<https://marketpublishers.com/r/C9B118F1DA9EN.html>

Date: August 2016

Pages: 142

Price: US\$ 5,650.00 (Single User License)

ID: C9B118F1DA9EN

## **Abstracts**

“Carbon Capture & Sequestration Market, By Application (EOR Process, Industrial, & Agricultural), By Service (Capture, Transport & Sequestration), By Capturing Techniques (Pre-combustion, Post-combustion & Oxy-fuel) & Region - Global Forecast to 2021

“Carbon capture and sequestration market projected to grow at a CAGR of 13.4% from 2016 to 2021”

The carbon capture and sequestration market is projected to reach USD 8.05 billion by 2021, growing at a CAGR of 13.4% during the forecast period. The growing demand for the reduction of greenhouse gas (GHG) and increasing demand for CO<sub>2</sub>-EOR techniques are acting as the drivers for the carbon capture and sequestration market

“EOR Process covered large market share of the carbon capture and sequestration market”

In terms of market, by application, the EOR Process for the carbon capture and sequestration market covered largest market share in 2015. Earlier, most of the CO<sub>2</sub> used for EOR techniques was recovered from naturally-occurring reservoirs. However, now-a-days, new technologies are being developed in order to produce CO<sub>2</sub> from industrial applications such as ethanol, fertilizer, hydrogen plants, and natural gas processing where naturally-occurring reservoirs are not available. EOR techniques

include thermal recovery, gas injection, and chemical injection. This creates demand for carbon capture and sequestration market.

“North America: The largest market for carbon capture and sequestration solutions”

North America is estimated to be the largest market for carbon capture and sequestration solutions, followed by Asia-Pacific and the Middle East. U.S. accounted for the largest share in the North American carbon capture and sequestration market in 2015, and is projected to grow at the highest CAGR from 2016 to 2021. Power generation in the U.S. has traditionally been dominated by coal-fired power plants. However, low natural gas prices have led to large expansion in the nation's gas-fired power plants, whose capacity has more than doubled in the decade leading up to 2012. In addition, the U.S. Supreme Court has proposed a carbon trading scheme, named US Clean Power Plan on February 2016, which is expected to be implemented from 2017. This scheme aims at curbing carbon pollution from the power plants in U.S. These factors are expected to fuel the demand for carbon capture and sequestration market.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject matter experts, corporate-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 35%, Tier 2- 45%, and Tier 3- 20%

By Designation: Corporate Level- 35%, Manager Level- 25%, and Others - 40%

By Region: The Middle East- 35%, North America -30%, Asia-Pacific- 20%, Europe- 10%, and ROW- 5%

Note: Others include product managers, marketing managers, and sales managers.

The tier of the companies has been defined based on their total revenue, as of 2016: Tier 1 = >\$20 billion, Tier 2 = \$10 billion to \$20 billion and Tier 3 = \$10 billion

Leading players in this industry have been profiled, along with their recent developments and other strategic activities. These include Fluor Corporation (U.S.),

Linde AG (Germany), Shell CANSOLV (USA), Siemens (Germany), and Mitsubishi Heavy Industries (Japan), among others.

Why buy this report?

1. The report identifies and addresses key markets for carbon capture and sequestration solutions which is useful for suppliers to review the demand growth of CCS solution.
2. The report helps solution provider to understand the pulse of the market and provides insights on drivers, restraints, and challenges.
3. The report will help key players to better understand the competition strategies and will help in making strategic decisions.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 KEY data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN & DATA TRIANGULATION
  - 2.3.1 KEY DATA FROM PRIMARY SOURCES
- 2.4 RESEARCH ASSUMPTIONS & LIMITATIONS
  - 2.4.1 ASSUMPTIONS
  - 2.4.2 LIMITATIONS

### 3 EXECUTIVE SUMMARY

- 3.1 INTRODUCTION
  - 3.1.1 HISTORICAL BACKDROP
- 3.2 CURRENT SCENARIO
- 3.3 FUTURE OUTLOOK
- 3.4 CONCLUSION

## **4 PREMIUM INSIGHTS**

4.1 EOR PROCESS SEGMENT IS ESTIMATED TO DOMINATE THE CARBON CAPTURE & SEQUESTRATION MARKET DURING THE FORECAST PERIOD

4.2 U.S. AND CANADA ARE THE HOTSPOTS IN NORTH AMERICA FOR LARGE SCALE CARBON CAPTURE DEPLOYMENT

4.3 NORTH AMERICA WAS THE LARGEST MARKET FOR CARBON CAPTURE & SEQUESTRATION IN 2015

4.4 CARBON CAPTURE & SEQUESTRATION MARKET, BY EOR PROCESS APPLICATION

## **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 REGULATIONS & POLICIES

5.3 METHODS TO ENHANCE CARBON CAPTURE & SEQUESTRATION ADOPTION

5.4 CARBON CAPTURE & SEQUESTRATION: MARKET SEGMENTATION

5.5 MARKET DYNAMICS

5.5.1 DRIVERS

5.5.1.1 Growing environmental concerns

5.5.1.2 Increasing demand for CO<sub>2</sub>-EOR techniques

5.5.2 RESTRAINTS

5.5.2.1 Limited adequate policies

5.5.2.2 High cost of carbon capture & sequestration

5.5.3 OPPORTUNITIES

5.5.3.1 Second-generation capturing techniques enabling economic operations

5.5.3.2 Capturing unburnable carbon reducing emissions further by 1%–5%

5.5.4 CHALLENGES

5.5.4.1 Uncertain paybacks

5.5.4.2 Safety concerns at storage sites

5.6 SUPPLY CHAIN ANALYSIS

5.7 PORTER'S FIVE FORCES ANALYSIS

5.7.1 THREAT OF NEW ENTRANTS

5.7.2 THREAT OF SUBSTITUTES

5.8 BARGAINING POWER OF SUPPLIERS

5.8.1 BARGAINING POWER OF BUYERS

5.8.2 INTENSITY OF COMPETITIVE RIVALRY

## **6 CARBON CAPTURE & SEQUESTRATION MARKET, BY APPLICATION**

*Carbon Capture and Sequestration Market by Service type (Capture (Pre-Combustion, Post-Combustion, & Oxy-Fuel)...*

6.1 INTRODUCTION

6.2 EOR PROCESS

6.3 INDUSTRIAL

6.4 AGRICULTURAL

6.5 OTHERS

## **7 CARBON CAPTURE & SEQUESTRATION MARKET, BY SERVICE**

7.1 INTRODUCTION

7.2 CAPTURE

7.2.1 PRE-COMBUSTION CAPTURE

7.2.2 POST-COMBUSTION CAPTURE

7.2.3 OXY-FUEL COMBUSTION

7.2.4 OTHERS

7.3 TRANSPORTATION

7.4 STORAGE

## **8 CARBON CAPTURE & SEQUESTRATION MARKET, BY REGION**

8.1 INTRODUCTION

8.2 NORTH AMERICA

8.2.1 BY COUNTRY

8.2.1.1 U.S.

8.2.1.2 Canada

8.3 EUROPE

8.3.1 BY COUNTRY

8.3.1.1 France

8.3.1.2 Netherlands

8.3.1.3 U.K.

8.3.1.4 Norway

8.4 ASIA-PACIFIC

8.4.1 BY COUNTRY

8.4.1.1 Australia

8.4.1.2 China

8.4.1.3 South Korea

8.4.2 MIDDLE EAST & AFRICA

8.4.2.1 Saudi Arabia

8.4.2.2 UAE

### 8.4.3 SOUTH AMERICA

#### 8.4.3.1 Brazil

## 9 COMPETITIVE LANDSCAPE

### 9.1 OVERVIEW

### 9.2 DEVELOPMENT SHARE ANALYSIS, TILL JULY 2016

### 9.3 COMPETITIVE SITUATION & TRENDS

### 9.4 CONTRACTS & AGREEMENTS

### 9.5 EXPANSIONS

### 9.6 NEW PRODUCT DEVELOPMENTS

### 9.7 MERGERS & ACQUISITIONS

## 10 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)\*

### 10.1 INTRODUCTION

### 10.2 AKER SOLUTIONS

### 10.3 FLUOR CORPORATION

### 10.4 HITACHI, LTD.

### 10.5 LINDE AG

### 10.6 MITSUBISHI HEAVY INDUSTRIES, LTD.

### 10.7 EXXONMOBIL CORPORATION

### 10.8 GENERAL ELECTRIC

### 10.9 HALLIBURTON

### 10.10 HONEYWELL INTERNATIONAL INC.

### 10.11 SCHLUMBERGER LIMITED

### 10.12 SHELL GLOBAL

### 10.13 SIEMENS AG

\*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

## 11 APPENDIX

### 11.1 INSIGHTS OF INDUSTRY EXPERTS

### 11.2 DISCUSSION GUIDE

### 11.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

11.4 AVAILABLE CUSTOMIZATIONS

11.5 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

11.6 RELATED REPORTS



## List Of Tables

### LIST OF TABLES

Table 1 EMISSION TARGETS IN KEY COUNTRIES BY 2020

Table 2 MAJOR PROJECTS TARGETING CO<sub>2</sub>-EOR TECHNIQUES, 2012–2020

Table 3 CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 4 EOR PROCESS: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 5 INDUSTRIAL: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 6 AGRICULTURAL: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 7 OTHERS: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 8 CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 9 CAPTURE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 10 PRE-COMBUSTION CAPTURE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 11 POST-COMBUSTION CAPTURE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 12 OXY-FUEL COMBUSTION: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 13 OTHERS: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 14 TRANSPORTATION: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 15 STORAGE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 16 CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 17 POST-COMBUSTION: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY TOP COUNTRIES, 2014–2021 (USD MILLION)

Table 18 PRE-COMBUSTION: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY TOP COUNTRIES, 2014–2021 (USD MILLION)

Table 19 OXY-FUEL COMBUSTION: CARBON CAPTURE & SEQUESTRATION

**MARKET SIZE, BY TOP COUNTRIES, 2014–2021 (USD MILLION)**

Table 20 OTHER: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY TOP COUNTRIES, 2014–2021 (USD MILLION)

Table 21 TOP COUNTRIES: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 22 NORTH AMERICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 23 NORTH AMERICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 24 NORTH AMERICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 25 NORTH AMERICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 26 U.S.: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 27 U.S.: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 28 CANADA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 29 CANADA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 30 EUROPE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 31 EUROPE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 32 EUROPE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 33 EUROPE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 34 FRANCE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 35 FRANCE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 36 THE NETHERLANDS: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 37 THE NETHERLANDS: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 38 U.K.: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 39 U.K.: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 40 NORWAY: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 41 NORWAY: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 42 ASIA-PACIFIC: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 43 ASIA-PACIFIC: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 44 ASIA-PACIFIC: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 45 ASIA-PACIFIC: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 46 AUSTRALIA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 47 AUSTRALIA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 48 CHINA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 49 CHINA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 50 SOUTH KOREA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 51 SOUTH KOREA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 52 MIDDLE EAST & AFRICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 53 MIDDLE EAST & AFRICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 54 MIDDLE EAST & AFRICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 55 MIDDLE EAST & AFRICA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 56 SAUDI ARABIA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY SERVICE, 2014–2021 (USD MILLION)

Table 57 SAUDI ARABIA: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 58 UAE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY

SERVICE, 2014–2021 (USD MILLION)

Table 59 UAE: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY  
CAPTURING TECHNIQUE, 2014–2021 (USD MILLION)

Table 60 SOUTH AMERICA: CARBON CAPTURE & SEQUESTRATION MARKET  
SIZE, BY APPLICATION, 2014–2021 (USD MILLION)

Table 61 BRAZIL: CARBON CAPTURE & SEQUESTRATION MARKET SIZE, BY  
SERVICE, 2014–2021 (USD MILLION)

Table 62 CONTRACTS & AGREEMENTS, 2013–2016

Table 63 EXPANSIONS, 2013–2015

Table 64 NEW PRODUCT DEVELOPMENTS, 2016

Table 65 MERGERS & ACQUISITIONS, 2016

## About

The carbon capture sequestration market is dominated by a few leading industry players, owing to their technological advantages, brand value, and strong financial positions. This trend is anticipated to continue for the next 5 years, as well as the emergence of some small regional market players.

The global carbon capture sequestration market is segmented on the basis of the carbon capture sequestration services hierarchy, namely, carbon capture, carbon transportation, and carbon storage.

The carbon capture sequestration market is segmented on the basis of carbon capture sequestration services, technologies, and geographies.

The government's rules and regulation policies related to the usage of carbon emissions are getting stringent day-by-day, which increases the need for better and new technological innovations in carbon capture sequestration.

The major growth drivers for the industry are the increasing awareness of people in climate concerns, and the stringent government policies across the globe. The generation of huge volumes of carbons which are emitted from the industries, drives the growth of the carbon capture sequestration market.

Of the global carbon capture sequestration market, a major portion of the services is being currently consumed in the Americas due to the large number of capture industries, pipelines, storage sites, resource development activities, and the concerns of government regulatory bodies.

The global carbon capture activities can be segregated into 4 technology areas: Pre-Combustion, Post-Combustion, Oxy-fuel Combustion, and Industrial Separation. On its own, pre-combustion technology accounts for XX% of the market share in 2013.

Between 2013 and 2019, carbon capture sequestration will register a strong growth on an account of the growing environmental practices and stringent regulatory measures across the world.

The Americas are the most advanced region in terms of effective carbon capture sequestration practices.

This report analyzes the carbon capture sequestration market in terms of sequestration based on the services hierarchy, geography, and technology areas. In terms of geography, the report is segmented into America, Europe, Asia-Pacific and, the Middle East and Africa. Every region is further studied based on the major countries in the carbon capture sequestration market. The technology areas mainly focuses on carbon capture segment. In order to provide a deeper understanding of the competitive landscape, the report includes the profiles of 10 companies in the carbon capture sequestration market, which includes the technology and service providers.

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