

Global Climate Adaptation Market Size Study, By Solution (Natural-based Solutions, Enhanced Natural Process Solutions, Technology-based Solutions, Early Climate Warning & Environment Monitoring Solutions), By Industry (Oil & Gas, Power Generation, Chemical & Petrochemical, Government, Education, Others), and Regional Forecasts 2022-2032

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Abstracts

Global Climate Adaptation Market was valued at USD 25.45 billion in 2023, is poised to grow significantly, achieving a robust CAGR of 10.56% from 2024 to 2032. Climate adaptation involves the systematic adjustment of systems, policies, and practices to mitigate the adverse effects of climate change while capitalizing on potential opportunities. This multifaceted approach encompasses resilient infrastructure development, sustainable agricultural practices, and ecosystem protection, necessitating collaboration across governmental, corporate, and community sectors. The overarching objective is to bolster societal resilience against climate-induced risks, ensuring sustainability and an improved quality of life for future generations. The increasing frequency of extreme weather events such as floods and droughts is compelling governments and businesses to invest in climate resilience strategies. Government initiatives are focusing on policies and projects aimed at infrastructure resilience and early warning systems, while corporations are channeling resources into adaptive technologies and sustainability programs. Additionally, advancements in climate forecasting, water management, and energy-efficient infrastructure are significantly enhancing the efficacy of these adaptation efforts.

Urbanization further exacerbates the need for resilient infrastructure, particularly in the construction of climate-resilient buildings and transportation systems. Insurance

companies are increasingly incentivizing adaptive measures by promoting policies that mitigate climate-related damages, thereby encouraging investments in resilience. On the global stage, international agreements such as the Paris Agreement are fostering collaborative efforts to implement adaptation strategies alongside mitigation. In the agricultural sector, climate adaptation technologies, including drought-resistant crops and smart farming techniques, are pivotal for securing food security in the face of climate change.

Regionally, Asia Pacific held a significant market share in 2023, driven by the region's high vulnerability to climate change impacts, including severe weather events, flooding, and rising sea levels. The rapid pace of urbanization and economic growth in Asia Pacific has heightened the demand for resilient infrastructure and adaptive solutions. Moreover, governments and organizations in the region are making substantial investments in climate adaptation projects to protect communities and economic assets from climate-related risks.

Major market players included in this report are:

IBM Corporation

Esri

DTN

Climeworks

Global Thermostat

ClimeCo LLC

Carbon Engineering ULC

CAPA Strategies, LLC.

Campbell Scientific, Inc.

BARANI DESIGN Technologies s. r. o.

The detailed segments and sub-segment of the market are explained below:

By Solution

- Natural-based Solutions
- Enhanced Natural Process Solutions
- Technology-based Solutions
- Early Climate Warning & Environment Monitoring Solutions

By Industry

- Oil & Gas
- Power Generation
- Chemical & Petrochemical
- Government
- Education

- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America

- Brazil
- Mexico
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with country-level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approaches.

- Analysis of competitive structure of the market.
- Demand-side and supply-side analysis of the market

Contents

CHAPTER 1. GLOBAL CLIMATE ADAPTATION MARKET EXECUTIVE SUMMARY

- 1.1. Global Climate Adaptation Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Solution
 - 1.3.2. By Industry
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL CLIMATE ADAPTATION MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL CLIMATE ADAPTATION MARKET DYNAMICS

- 3.1. Market Drivers

- 3.1.1. Increase in Extreme Weather Events and Government Initiatives
- 3.1.2. Advancements in Climate Forecasting and Water Management
- 3.1.3. Urbanization and Need for Resilient Infrastructure
- 3.2. Market Challenges
 - 3.2.1. High Costs of Implementation
 - 3.2.2. Complexity in Integrating Adaptive Technologies
- 3.3. Market Opportunities
 - 3.3.1. Growth in Sustainable Agriculture and Smart Farming Technologies
 - 3.3.2. Increased Adoption of Adaptive Technologies in Developing Regions
 - 3.3.3. Global Collaboration under International Agreements

CHAPTER 4. GLOBAL CLIMATE ADAPTATION MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunities
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL CLIMATE ADAPTATION MARKET SIZE & FORECASTS BY SOLUTION 2022-2032

- 5.1. Segment Dashboard
- 5.2. Global Climate Adaptation Market: Solution Revenue Trend Analysis, 2022 & 2032

(USD Billion)

- 5.2.1. Natural-based Solutions
- 5.2.2. Enhanced Natural Process Solutions
- 5.2.3. Technology-based Solutions
- 5.2.4. Early Climate Warning & Environment Monitoring Solutions

CHAPTER 6. GLOBAL CLIMATE ADAPTATION MARKET SIZE & FORECASTS BY INDUSTRY 2022-2032

6.1. Segment Dashboard

6.2. Global Climate Adaptation Market: Industry Revenue Trend Analysis, 2022 & 2032

(USD Billion)

- 6.2.1. Oil & Gas
- 6.2.2. Power Generation
- 6.2.3. Chemical & Petrochemical
- 6.2.4. Government
- 6.2.5. Education
- 6.2.6. Others

CHAPTER 7. GLOBAL CLIMATE ADAPTATION MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Climate Adaptation Market

7.1.1. U.S. Climate Adaptation Market

7.1.1.1. Solution breakdown size & forecasts, 2022-2032

7.1.1.2. Industry breakdown size & forecasts, 2022-2032

7.1.2. Canada Climate Adaptation Market

7.2. Europe Climate Adaptation Market

7.2.1. U.K. Climate Adaptation Market

7.2.2. Germany Climate Adaptation Market

7.2.3. France Climate Adaptation Market

7.2.4. Spain Climate Adaptation Market

7.2.5. Italy Climate Adaptation Market

7.2.6. Rest of Europe Climate Adaptation Market

7.3. Asia-Pacific Climate Adaptation Market

7.3.1. China Climate Adaptation Market

7.3.2. India Climate Adaptation Market

7.3.3. Japan Climate Adaptation Market

7.3.4. Australia Climate Adaptation Market

- 7.3.5. South Korea Climate Adaptation Market
- 7.3.6. Rest of Asia Pacific Climate Adaptation Market
- 7.4. Latin America Climate Adaptation Market
 - 7.4.1. Brazil Climate Adaptation Market
 - 7.4.2. Mexico Climate Adaptation Market
 - 7.4.3. Rest of Latin America Climate Adaptation Market
- 7.5. Middle East & Africa Climate Adaptation Market
 - 7.5.1. Saudi Arabia Climate Adaptation Market
 - 7.5.2. South Africa Climate Adaptation Market
 - 7.5.3. Rest of Middle East & Africa Climate Adaptation Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. IBM Corporation
 - 8.1.2. Esri
 - 8.1.3. Climeworks
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. IBM Corporation
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Esri
 - 8.3.3. Climeworks
 - 8.3.4. DTN
 - 8.3.5. Global Thermostat
 - 8.3.6. ClimeCo LLC
 - 8.3.7. Carbon Engineering ULC
 - 8.3.8. CAPA Strategies, LLC.
 - 8.3.9. Campbell Scientific, Inc.
 - 8.3.10. BARANI DESIGN Technologies s. r. o.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining

- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Climate Adaptation Market, report scope

TABLE 2. Global Climate Adaptation Market estimates & forecasts by Region
2022-2032 (USD Billion)

TABLE 3. Global Climate Adaptation Market estimates & forecasts by Solution
2022-2032 (USD Billion)

TABLE 4. Global Climate Adaptation Market estimates & forecasts by Industry
2022-2032 (USD Billion)

TABLE 5. Global Climate Adaptation Market by segment, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 6. Global Climate Adaptation Market by region, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 7. U.S. Climate Adaptation Market estimates & forecasts, 2022-2032 (USD
Billion)

TABLE 8. U.S. Climate Adaptation Market estimates & forecasts by segment 2022-2032
(USD Billion)

TABLE 9. Canada Climate Adaptation Market estimates & forecasts, 2022-2032 (USD
Billion)

TABLE 10. Canada Climate Adaptation Market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 11. U.K. Climate Adaptation Market estimates & forecasts, 2022-2032 (USD
Billion)

TABLE 12. U.K. Climate Adaptation Market estimates & forecasts by segment
2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Climate Adaptation Market, research methodology
- FIG 2. Global Climate Adaptation Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Climate Adaptation Market, key trends 2023
- FIG 5. Global Climate Adaptation Market, growth prospects 2022-2032
- FIG 6. Global Climate Adaptation Market, Porter's 5 force model
- FIG 7. Global Climate Adaptation Market, PESTEL analysis
- FIG 8. Global Climate Adaptation Market, value chain analysis
- FIG 9. Global Climate Adaptation Market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Climate Adaptation Market by region, 2022 & 2032 (USD Billion)
- FIG 11. U.S. Climate Adaptation Market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Canada Climate Adaptation Market by segment, 2022 & 2032 (USD Billion)
- FIG 13. U.K. Climate Adaptation Market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Europe Climate Adaptation Market 2022 & 2032 (USD Billion)
- FIG 15. Asia-Pacific Climate Adaptation Market 2022 & 2032 (USD Billion)
- FIG 16. Latin America Climate Adaptation Market 2022 & 2032 (USD Billion)
- FIG 17. Middle East & Africa Climate Adaptation Market 2022 & 2032 (USD Billion)

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