

EcoTrace Market Forecasts to 2034 – Global Analysis By Solution Type (Carbon Tracking Platforms, Supply Chain Traceability Solutions, Environmental Monitoring Systems, Sustainability Reporting Platforms, Product Traceability Systems, ESG Data Management Solutions and Compliance Management Platforms), Deployment, Technology, Application, End User and By Geography

<https://marketpublishers.com/r/E1ACD33D70F5EN.html>

Date: July 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: E1ACD33D70F5EN

Abstracts

According to Statistics MRC, the Global EcoTrace Market is accounted for \$7.7 billion in 2026 and is expected to reach \$40.5 billion by 2034 growing at a CAGR of 23.0% during the forecast period. EcoTrace refers to digital platforms and technology solutions that enable organizations to track, measure, verify, and report environmental, social, and governance metrics across their operations, supply chains, and product lifecycles. These systems encompass carbon tracking platforms that calculate greenhouse gas emissions across Scope One, Two, and Three categories, supply chain traceability solutions that map material flows from origin to end-use, and sustainability reporting platforms that aggregate environmental data into standardized disclosure formats. EcoTrace technologies incorporate blockchain for immutable record-keeping, artificial intelligence for automated data extraction and anomaly detection, and Internet of Things sensors for real-time environmental monitoring.

Market Dynamics:

Driver:

Mandatory Disclosure Requirements

EcoTrace is experiencing explosive growth as regulatory frameworks worldwide mandate comprehensive sustainability reporting that requires robust data collection, verification, and disclosure infrastructure. The European Union's Corporate Sustainability Reporting Directive requires thousands of companies to report detailed environmental and social metrics using standardized frameworks. Similar requirements are emerging in the United States through Securities and Exchange Commission climate disclosure rules and in Asia through national sustainability reporting standards. The transition from voluntary to mandatory reporting creates urgent demand for technology platforms that can automate data aggregation, ensure accuracy, and generate audit-ready reports.

Restraint:

Data Quality Challenges

The EcoTrace market faces significant challenges related to the quality, completeness, and comparability of sustainability data collected from diverse sources across complex global supply chains. Scope Three emissions calculations require data from hundreds or thousands of suppliers, many of which lack the capability or incentive to provide accurate information. The absence of standardized measurement protocols for many environmental metrics creates inconsistencies that undermine the reliability of reported figures. Organizations struggle to reconcile conflicting data from multiple sources and verify the accuracy of supplier-provided information.

Opportunity:

Supply Chain Decarbonization

The imperative to decarbonize extended supply chains creates substantial opportunities for EcoTrace providers to offer platforms that enable organizations to measure, manage, and reduce emissions across their value chains. Major corporations are setting science-based targets that require significant reductions in Scope Three emissions from suppliers, creating demand for tools that can track supplier performance and identify improvement opportunities. Carbon border adjustment mechanisms being implemented by the European Union and contemplated by other jurisdictions require importers to demonstrate the carbon intensity of imported goods. EcoTrace platforms that can provide verified product-level carbon footprints will capture significant value.

Threat:

Greenwashing Backlash

The EcoTrace market confronts escalating threats from regulatory and public scrutiny of environmental claims that could undermine confidence in sustainability reporting and the platforms that support it. Authorities are implementing stricter rules on environmental marketing and are beginning to prosecute companies for misleading sustainability claims. The complexity and opacity of some carbon accounting methodologies create opportunities for creative accounting that overstates environmental progress. High-profile cases of greenwashing damage the credibility of corporate sustainability efforts.

Covid-19 Impact:

The COVID-19 pandemic initially disrupted EcoTrace implementation as organizations deprioritized sustainability initiatives during the crisis and remote work complicated data collection from facilities and suppliers. However, the crisis accelerated recognition of supply chain vulnerabilities and the importance of resilience metrics that complement traditional financial reporting. The shift to remote work increased demand for digital sustainability platforms that could function without physical presence. Post-pandemic, the combination of strengthened regulatory requirements and investor pressure has created unprecedented demand.

The carbon tracking platforms segment is expected to be the largest during the forecast period

The carbon tracking platforms segment is expected to account for the largest market share during the forecast period, due to the centrality of greenhouse gas emissions measurement to corporate sustainability strategies and the complexity of calculating accurate carbon footprints across diverse operations and supply chains. These platforms automate the collection of activity data, apply emission factors, and calculate Scope One, Two, and Three emissions in accordance with established protocols. Regulatory requirements for emissions disclosure and carbon pricing mechanisms create sustained demand for accurate carbon accounting. Major accounting firms and technology companies have developed carbon tracking solutions.

The cloud-based segment is expected to have the highest CAGR during the forecast

period

Over the forecast period, the cloud-based segment is predicted to witness the highest growth rate, driven by the increasing need for scalable and centralized sustainability data management across complex global supply chains. Cloud deployment enables real-time environmental monitoring, seamless ESG reporting, and efficient traceability of products and carbon emissions from a single platform. Organizations are increasingly adopting cloud-based EcoTrace solutions to reduce infrastructure costs, improve data accessibility, and support regulatory compliance initiatives. Furthermore, rapid digital transformation, growing adoption of Software-as-a-Service (SaaS) models, and the need for collaborative sustainability management are expected to further accelerate segment growth throughout the forecast period.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share, due to the most comprehensive and stringent sustainability reporting requirements globally, including the Corporate Sustainability Reporting Directive, Taxonomy Regulation, and carbon border adjustment mechanism. European companies have been early adopters of sustainability reporting practices and supporting technology platforms. The presence of major ESG software vendors and consulting firms creates a mature ecosystem. Regulatory timelines requiring phased implementation of reporting obligations drive consistent technology adoption.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, due to rapid economic growth generating significant environmental impacts, increasing regulatory requirements for sustainability disclosure, and integration into global supply chains that demand ESG compliance. China has implemented mandatory environmental information disclosure requirements for listed companies and is developing its own sustainability reporting standards. Japan and South Korea have strengthened corporate governance codes that include sustainability considerations. Southeast Asian manufacturing hubs require ESG capabilities.

Key players in the market

Some of the key players in EcoTrace include IBM Corporation, SAP SE, Oracle Corporation, Microsoft Corporation, Schneider Electric SE, DNV Group, Wipro Limited,

Infosys Limited, Accenture plc, Salesforce, Inc., Sphera Solutions, Inc., Workiva Inc., Wolters Kluwer N.V., UL Solutions Inc., Intelix Technologies, EcoVadis SAS and Sedex Information Exchange Ltd.

Key Developments:

In June 2026, IBM Corporation launched an AI-powered carbon accounting platform, automating Scope Three emissions calculations across global supply chains with real-time data integration.

In May 2026, SAP SE expanded its sustainability data management suite with blockchain-verified supply chain traceability modules supporting EU Corporate Sustainability Reporting Directive compliance.

In April 2026, EcoVadis SAS secured a major contract to provide ESG rating and monitoring services for Fortune Global Five Hundred companies with integrated supply chain risk assessment.

Solution Types Covered:

Carbon Tracking Platforms

Supply Chain Traceability Solutions

Environmental Monitoring Systems

Sustainability Reporting Platforms

Product Traceability Systems

ESG Data Management Solutions

Compliance Management Platforms

Deployments Covered:

Cloud-Based

On-Premise

Hybrid Deployment

Edge-Based Platforms

Technologies Covered:

Blockchain

Artificial Intelligence

Internet of Things

Cloud Computing

Big Data Analytics

Digital Ledger Technologies

Applications Covered:

Carbon Footprint Tracking

Sustainable Sourcing

Product Authentication

Waste Tracking

ESG Compliance

Environmental Auditing

End Users Covered:

Manufacturing

Agriculture

Food and Beverage

Retail

Logistics and Transportation

Energy and Utilities

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030,

2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL ECOTRACE MARKET, BY SOLUTION TYPE

- 5.1 Carbon Tracking Platforms
- 5.2 Supply Chain Traceability Solutions
- 5.3 Environmental Monitoring Systems
- 5.4 Sustainability Reporting Platforms
- 5.5 Product Traceability Systems
- 5.6 ESG Data Management Solutions
- 5.7 Compliance Management Platforms

6 GLOBAL ECOTRACE MARKET, BY DEPLOYMENT

- 6.1 Cloud-Based
- 6.2 On-Premise
- 6.3 Hybrid Deployment
- 6.4 Edge-Based Platforms

7 GLOBAL ECOTRACE MARKET, BY TECHNOLOGY

- 7.1 Blockchain
- 7.2 Artificial Intelligence
- 7.3 Internet of Things
- 7.4 Cloud Computing
- 7.5 Big Data Analytics
- 7.6 Digital Ledger Technologies

8 GLOBAL ECOTRACE MARKET, BY APPLICATION

- 8.1 Carbon Footprint Tracking
- 8.2 Sustainable Sourcing
- 8.3 Product Authentication
- 8.4 Waste Tracking
- 8.5 ESG Compliance
- 8.6 Environmental Auditing

9 GLOBAL ECOTRACE MARKET, BY END USER

- 9.1 Manufacturing
- 9.2 Agriculture
- 9.3 Food and Beverage
- 9.4 Retail
- 9.5 Logistics and Transportation
- 9.6 Energy and Utilities

10 GLOBAL ECOTRACE MARKET, BY GEOGRAPHY

- 10.1 North America
 - 10.1.1 United States
 - 10.1.2 Canada
 - 10.1.3 Mexico
- 10.2 Europe
 - 10.2.1 United Kingdom
 - 10.2.2 Germany
 - 10.2.3 France
 - 10.2.4 Italy
 - 10.2.5 Spain
 - 10.2.6 Netherlands
 - 10.2.7 Belgium
 - 10.2.8 Sweden
 - 10.2.9 Switzerland
 - 10.2.10 Poland
 - 10.2.11 Rest of Europe
- 10.3 Asia Pacific
 - 10.3.1 China
 - 10.3.2 Japan
 - 10.3.3 India
 - 10.3.4 South Korea
 - 10.3.5 Australia
 - 10.3.6 Indonesia
 - 10.3.7 Thailand
 - 10.3.8 Malaysia
 - 10.3.9 Singapore
 - 10.3.10 Vietnam
 - 10.3.11 Rest of Asia Pacific

10.4 South America

10.4.1 Brazil

10.4.2 Argentina

10.4.3 Colombia

10.4.4 Chile

10.4.5 Peru

10.4.6 Rest of South America

10.5 Rest of the World (RoW)

10.5.1 Middle East

10.5.1.1 Saudi Arabia

10.5.1.2 United Arab Emirates

10.5.1.3 Qatar

10.5.1.4 Israel

10.5.1.5 Rest of Middle East

10.5.2 Africa

10.5.2.1 South Africa

10.5.2.2 Egypt

10.5.2.3 Morocco

10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

11.1 Industry Value Network and Supply Chain Assessment

11.2 White-Space and Opportunity Mapping

11.3 Product Evolution and Market Life Cycle Analysis

11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

12.1 Mergers and Acquisitions

12.2 Partnerships, Alliances, and Joint Ventures

12.3 New Product Launches and Certifications

12.4 Capacity Expansion and Investments

12.5 Other Strategic Initiatives

13 COMPANY PROFILES

13.1 IBM Corporation

13.2 SAP SE

- 13.3 Oracle Corporation
- 13.4 Microsoft Corporation
- 13.5 Schneider Electric SE
- 13.6 DNV Group
- 13.7 Wipro Limited
- 13.8 Infosys Limited
- 13.9 Accenture plc
- 13.10 Salesforce, Inc.
- 13.11 Sphera Solutions, Inc.
- 13.12 Workiva Inc.
- 13.13 Wolters Kluwer N.V.
- 13.14 UL Solutions Inc.
- 13.15 Intelix Technologies
- 13.16 EcoVadis SAS
- 13.17 Sedex Information Exchange Ltd.

List Of Tables

LIST OF TABLES

Table 1 Global EcoTrace Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global EcoTrace Market Outlook, By Solution Type (2023-2034) (\$MN)

Table 3 Global EcoTrace Market Outlook, By Carbon Tracking Platforms (2023-2034) (\$MN)

Table 4 Global EcoTrace Market Outlook, By Supply Chain Traceability Solutions (2023-2034) (\$MN)

Table 5 Global EcoTrace Market Outlook, By Environmental Monitoring Systems (2023-2034) (\$MN)

Table 6 Global EcoTrace Market Outlook, By Sustainability Reporting Platforms (2023-2034) (\$MN)

Table 7 Global EcoTrace Market Outlook, By Product Traceability Systems (2023-2034) (\$MN)

Table 8 Global EcoTrace Market Outlook, By ESG Data Management Solutions (2023-2034) (\$MN)

Table 9 Global EcoTrace Market Outlook, By Compliance Management Platforms (2023-2034) (\$MN)

Table 10 Global EcoTrace Market Outlook, By Deployment (2023-2034) (\$MN)

Table 11 Global EcoTrace Market Outlook, By Cloud-Based (2023-2034) (\$MN)

Table 12 Global EcoTrace Market Outlook, By On-Premise (2023-2034) (\$MN)

Table 13 Global EcoTrace Market Outlook, By Hybrid Deployment (2023-2034) (\$MN)

Table 14 Global EcoTrace Market Outlook, By Edge-Based Platforms (2023-2034) (\$MN)

Table 15 Global EcoTrace Market Outlook, By Technology (2023-2034) (\$MN)

Table 16 Global EcoTrace Market Outlook, By Blockchain (2023-2034) (\$MN)

Table 17 Global EcoTrace Market Outlook, By Artificial Intelligence (2023-2034) (\$MN)

Table 18 Global EcoTrace Market Outlook, By Internet of Things (2023-2034) (\$MN)

Table 19 Global EcoTrace Market Outlook, By Cloud Computing (2023-2034) (\$MN)

Table 20 Global EcoTrace Market Outlook, By Big Data Analytics (2023-2034) (\$MN)

Table 21 Global EcoTrace Market Outlook, By Digital Ledger Technologies (2023-2034) (\$MN)

Table 22 Global EcoTrace Market Outlook, By Application (2023-2034) (\$MN)

Table 23 Global EcoTrace Market Outlook, By Carbon Footprint Tracking (2023-2034) (\$MN)

Table 24 Global EcoTrace Market Outlook, By Sustainable Sourcing (2023-2034) (\$MN)

Table 25 Global EcoTrace Market Outlook, By Product Authentication (2023-2034)

(\$MN)

Table 26 Global EcoTrace Market Outlook, By Waste Tracking (2023-2034) (\$MN)

Table 27 Global EcoTrace Market Outlook, By ESG Compliance (2023-2034) (\$MN)

Table 28 Global EcoTrace Market Outlook, By Environmental Auditing (2023-2034)

(\$MN)

Table 29 Global EcoTrace Market Outlook, By End User (2023-2034) (\$MN)

Table 30 Global EcoTrace Market Outlook, By Manufacturing (2023-2034) (\$MN)

Table 31 Global EcoTrace Market Outlook, By Agriculture (2023-2034) (\$MN)

Table 32 Global EcoTrace Market Outlook, By Food and Beverage (2023-2034) (\$MN)

Table 33 Global EcoTrace Market Outlook, By Retail (2023-2034) (\$MN)

Table 34 Global EcoTrace Market Outlook, By Logistics and Transportation (2023-2034)

(\$MN)

Table 35 Global EcoTrace Market Outlook, By Energy and Utilities (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

I would like to order

Product name: EcoTrace Market Forecasts to 2034 – Global Analysis By Solution Type (Carbon Tracking Platforms, Supply Chain Traceability Solutions, Environmental Monitoring Systems, Sustainability Reporting Platforms, Product Traceability Systems, ESG Data Management Solutions and Compliance Management Platforms), Deployment, Technology, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/E1ACD33D70F5EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E1ACD33D70F5EN.html>