

# CMAP Diagnostic Platform User Manual

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# Introduction to the CMAP Diagnostic Platform

## Background and Purpose

The Africa Carbon Markets Initiative (ACMI) spearheads a continent-wide effort to establish a thriving carbon market ecosystem in Africa by 2030. This initiative aims to overcome challenges such as fragmented projects, uncertain regulatory landscapes, and concerns over the integrity and fair distribution of carbon credits. The development of Carbon Market Activation Plans (CMAP) is central to this strategy, aiming to foster vibrant carbon markets that can significantly benefit local communities and enhance Africa's economic development through sustainable practices.

## Objectives of CMAP

1. **Expand Carbon Markets:** Aim to grow African carbon credits retirement from approximately 16 MtCO<sub>2</sub>e in 2020 to around 300 MtCO<sub>2</sub>e annually by 2030, with long-term goals reaching up to 2.5 GtCO<sub>2</sub>e by 2050.
2. **Job Creation:** Support the creation of over 30 million jobs by 2030, expanding to more than 100 million jobs by 2050, through the development, execution, certification, and monitoring of carbon projects.
3. **Enhance Credit Integrity:** Improve the quality and integrity of African carbon credits to mobilize substantial financial resources, targeting up to US\$6 billion annually by 2030 and exceeding US\$100 billion by 2050.
4. **Ensure Fair Distribution:** Guarantee a fair and transparent distribution of revenue from carbon credits, with a significant portion allocated to local communities.

## The CMAP Diagnostic Tool

The CMAP diagnostic tool is a pivotal component designed to aggregate, analyze, and present actionable insights that support the diagnostic phase of carbon market activation. This tool addresses the critical need for accessible, detailed data to inform effective strategy development, particularly in understanding the carbon market landscape for informed decision-making.

The purpose of the CMAP is to identify strategies that will enable African countries to effectively finance their climate goals and development by building the foundations and catalysts for a thriving Carbon Market ecosystem. The CMAP diagnostic tool is a platform that leverages emerging technologies to aggregate, analyze, and present actionable insights to support the diagnostic phase of ACMI's Carbon Market Activation Plans, addressing the lack of accessible, detailed data for informed decision-making.

## Benefits to different stakeholders

The CMAP platform offers numerous benefits to various stakeholders within the carbon market ecosystem:

African governments:

- Creates an export industry that has the potential to contribute to all sectors of the economy
- Makes African countries investor-friendly destinations for carbon market investments
- Ensures that local communities benefit significantly from the development of this industry with clear benefit-sharing and revenue allocation frameworks

Investors and project developers:

- Provides a comprehensive understanding of the carbon market landscape, enabling informed decision-making
- Identifies opportunities for investment and project development
- Offers insights into regulatory frameworks and policy recommendations

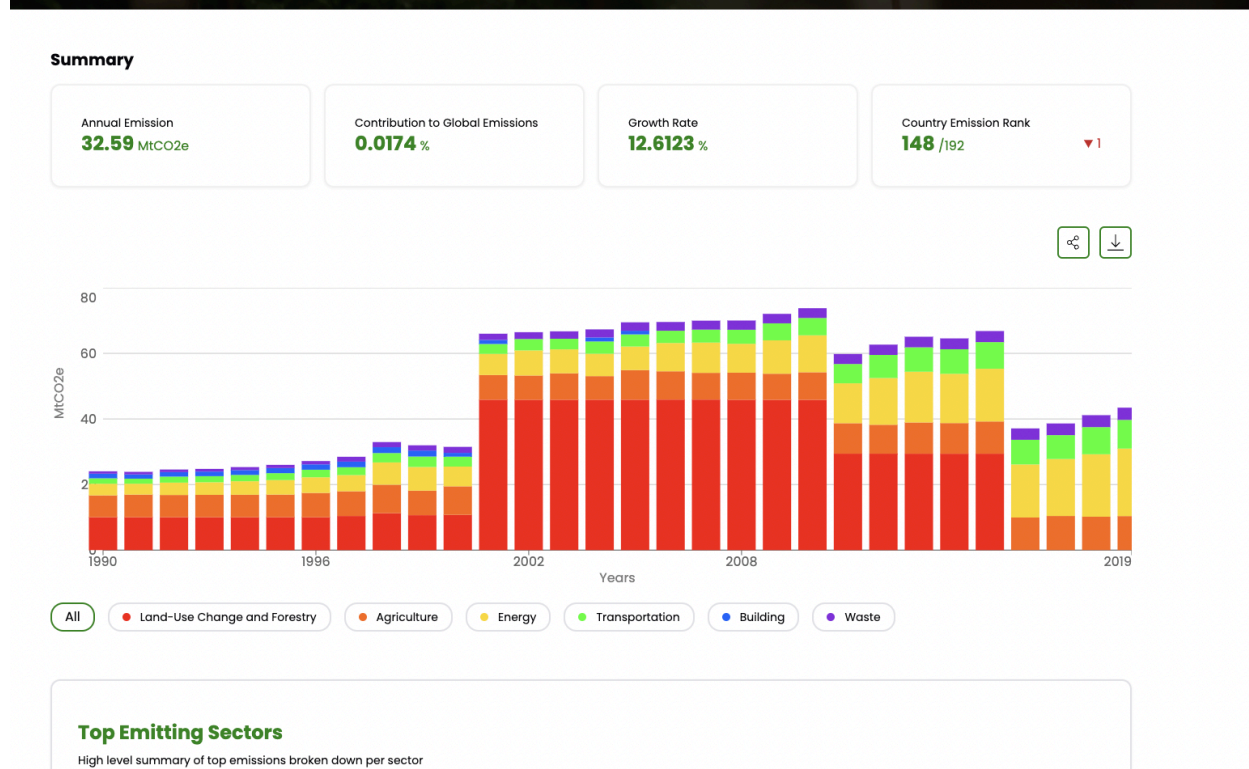
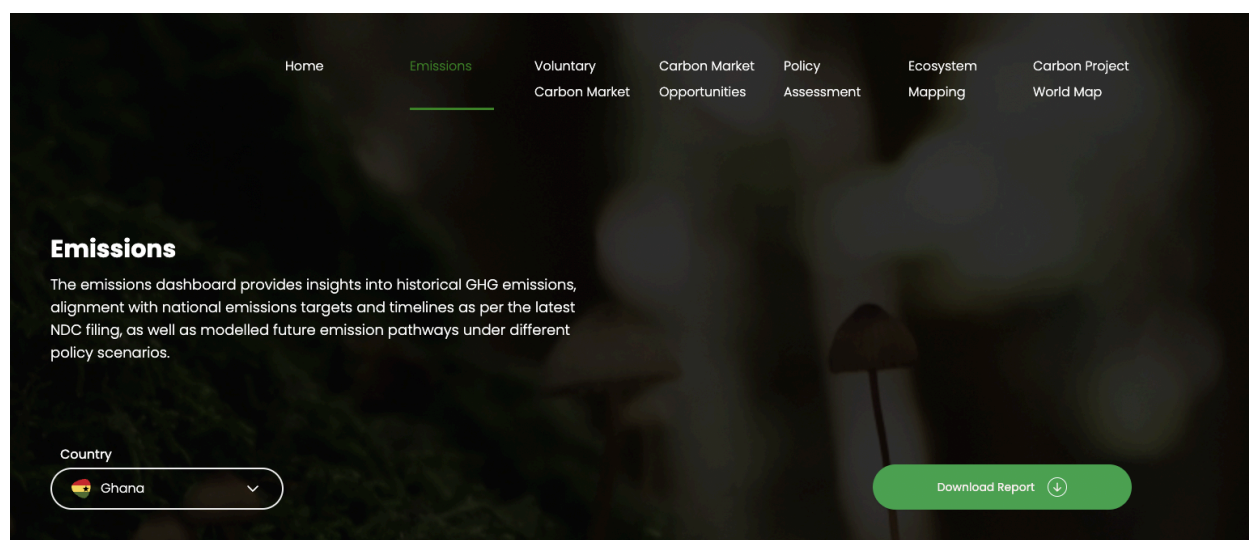
Local communities:

- Ensures that local communities benefit significantly from the development of the carbon market industry
- Promotes clear benefit-sharing and revenue allocation frameworks

## Key Modules and Features of the CMAP Platform

The CMAP platform comprises several integrated modules, each designed to provide specific insights and analyses essential for developing and activating carbon markets. Below, we detail each of these modules:

1. **GHG Emissions Dashboard:** Provides insights into historical GHG emissions, alignment with national emissions targets, and modelled future emission pathways under different policy scenarios.
  - **Historical Emissions Analysis:** Provides insights into historical GHG emissions, including emissions from various sectors, sources, and activities.
  - **NDC Evaluation:** Reviews and evaluates each country's Nationally Determined Contributions (NDCs), focusing on specific GHG reduction targets and timelines.
  - **Future Emission Pathways:** Models future emission pathways under various policy scenarios, such as business-as-usual (BAU), conditional, and unconditional approaches.

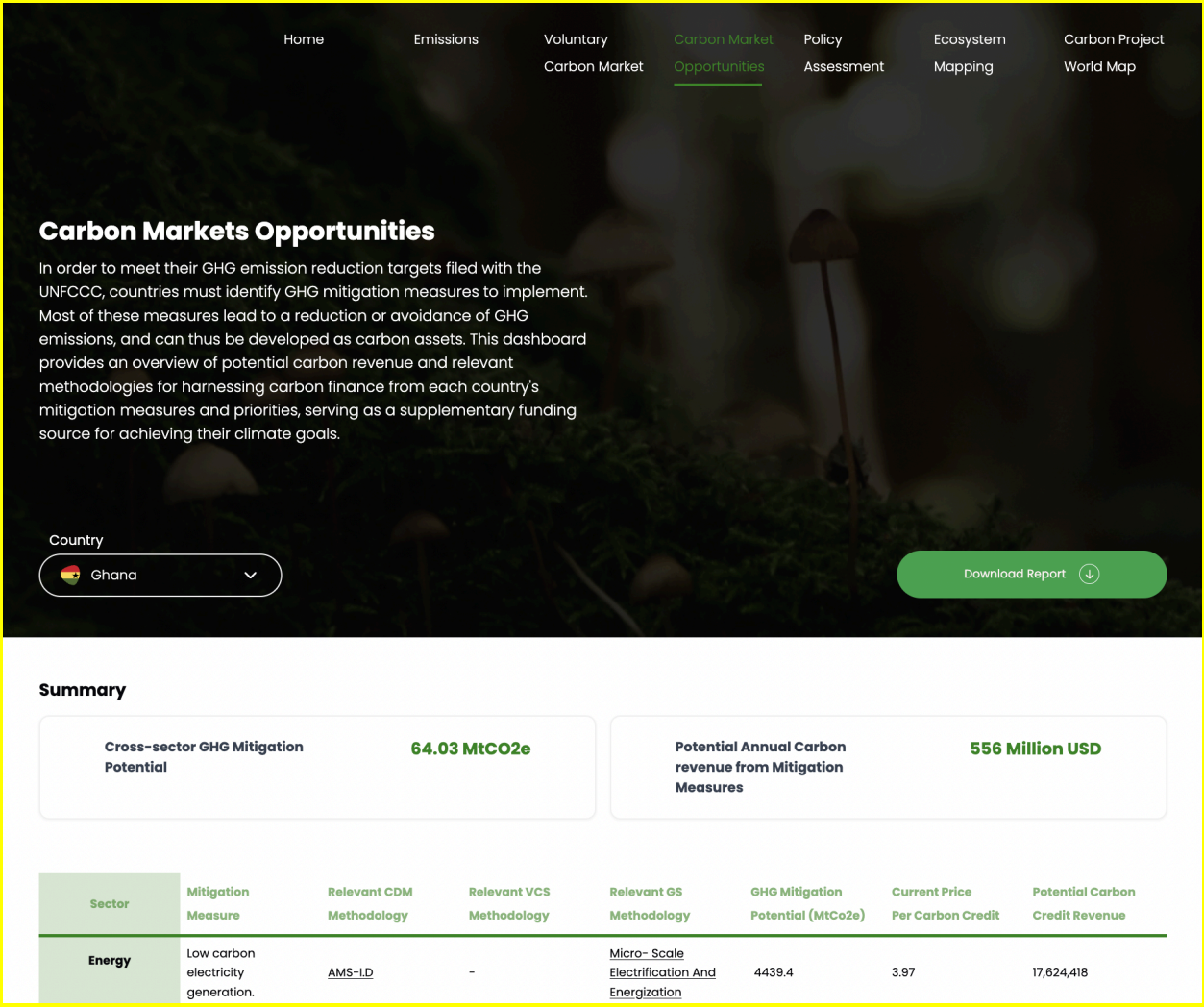


## 2. Carbon Market Analytics Dashboard: Coalesces data and insights from all Voluntary Carbon Market (VCM) registries to provide an overview of the country's voluntary carbon market state of play.

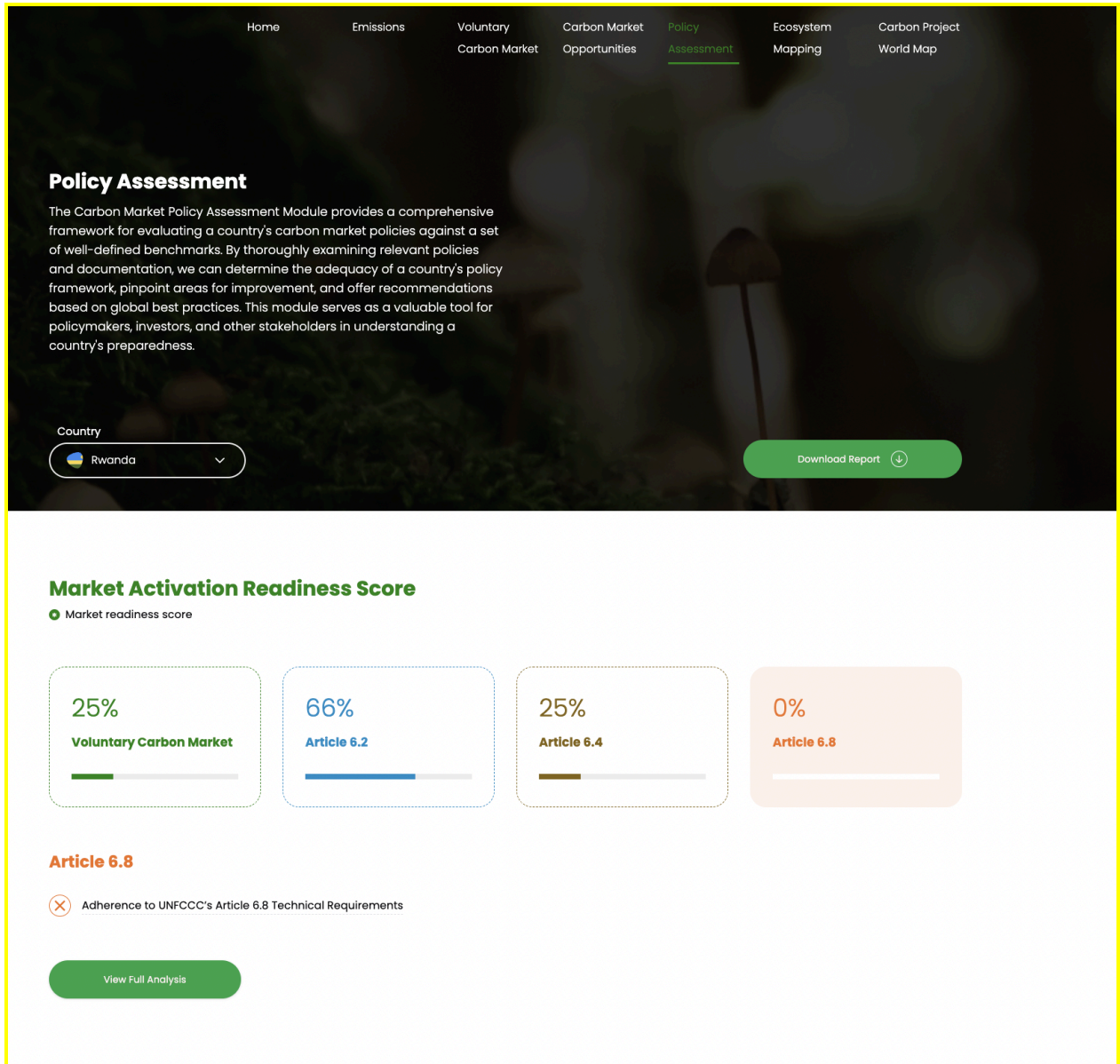
- Carbon Credit Volumes: Analyzes the issuance and trading of carbon credits, including their retirement and vintage.
- Project Development Tracking: Monitors progress in carbon project development, categorized by scope and methodology.

3. **Carbon Market Opportunities Dashboard:** Identifies potential carbon revenue and relevant methodologies for harnessing carbon finance from each country's mitigation measures and priorities.

- **Mitigation Measures Analysis:** Identifies GHG mitigation measures that can be developed as carbon assets.
- **Carbon Revenue Estimation:** Calculates potential carbon revenue and relevant methodologies for harnessing carbon finance from mitigation measures.
- **Credit Pricing Analysis:** Assesses the pricing dynamics of carbon credits, including market trends and price fluctuations.



4. **Policy and Regulation Assessment Module:** The Policy Assessment module of the CMAP platform offers a structured analysis of a country's carbon market policies. The module provides benchmarks against well-defined standards, helping to assess readiness for market activation. Here's how to navigate and utilize this module:



### Selecting a Country

**Country Dropdown:** When you enter the Policy Assessment module, you will see a dropdown menu titled "Country." Click this menu and select the country you wish to analyze, such as Rwanda in the given screenshot.

### Understanding the Market Activation Readiness Score



**Readiness Indicators:** The module presents a "Market Activation Readiness Score" with percentages that reflect the country's preparedness in different aspects of the carbon market.

**Interactive Divs:** Each market segment (e.g., Voluntary Carbon Market, Article 6.2, etc.) is represented by an interactive div element. Clicking on one of these will highlight the specific benchmarks used in analyzing that market.

### **Diving Deeper into Specific Assessments**

- **Detailed View:** When you click on a particular market's div, like "Voluntary Carbon Market," details regarding adherence to specific guidelines or legislative frameworks will be revealed.
- **"View Full Analysis" Button:** Located at the bottom of each market section, this button navigates you to a detailed page with an in-depth analysis of the country's readiness to activate that specific market.

#### **Navigating to Full Analysis**

- **Comprehensive Evaluation:** Clicking "View Full Analysis" will take you to a comprehensive evaluation that breaks down each benchmark, providing a more granular view of the country's policy environment and readiness.
- **Policy Insight:** These highlights offer insight into where the country stands in relation to international standards and what steps or support might be needed to improve its readiness score.

### **Downloading Reports**

**Report Feature:** The "Download Report" button remains available at the top right of the module, allowing users to download the findings of the policy assessment for offline review or distribution.

5. **Ecosystem Mapping Dashboard:** Provides an aggregated repository of stakeholders involved in each country's active voluntary carbon markets, sorted by their roles and responsibilities within the carbon market value chain.
  - **Stakeholder Mapping:** Aggregates information on stakeholders involved in the carbon market, sorted by their roles within the ecosystem.
  - **Role Definition:** Defines the roles and responsibilities of the identified stakeholders in the carbon market value chain.
6. **Carbon Project World Map Dashboard:** Provides a map showing the location and project details of all carbon projects in each country.
  - **Interactive Maps:** Users can zoom in/out, select specific regions for detailed analysis, or hover over elements to get instant data insights.

# User Interface and Interaction Guide for the CMAP Platform

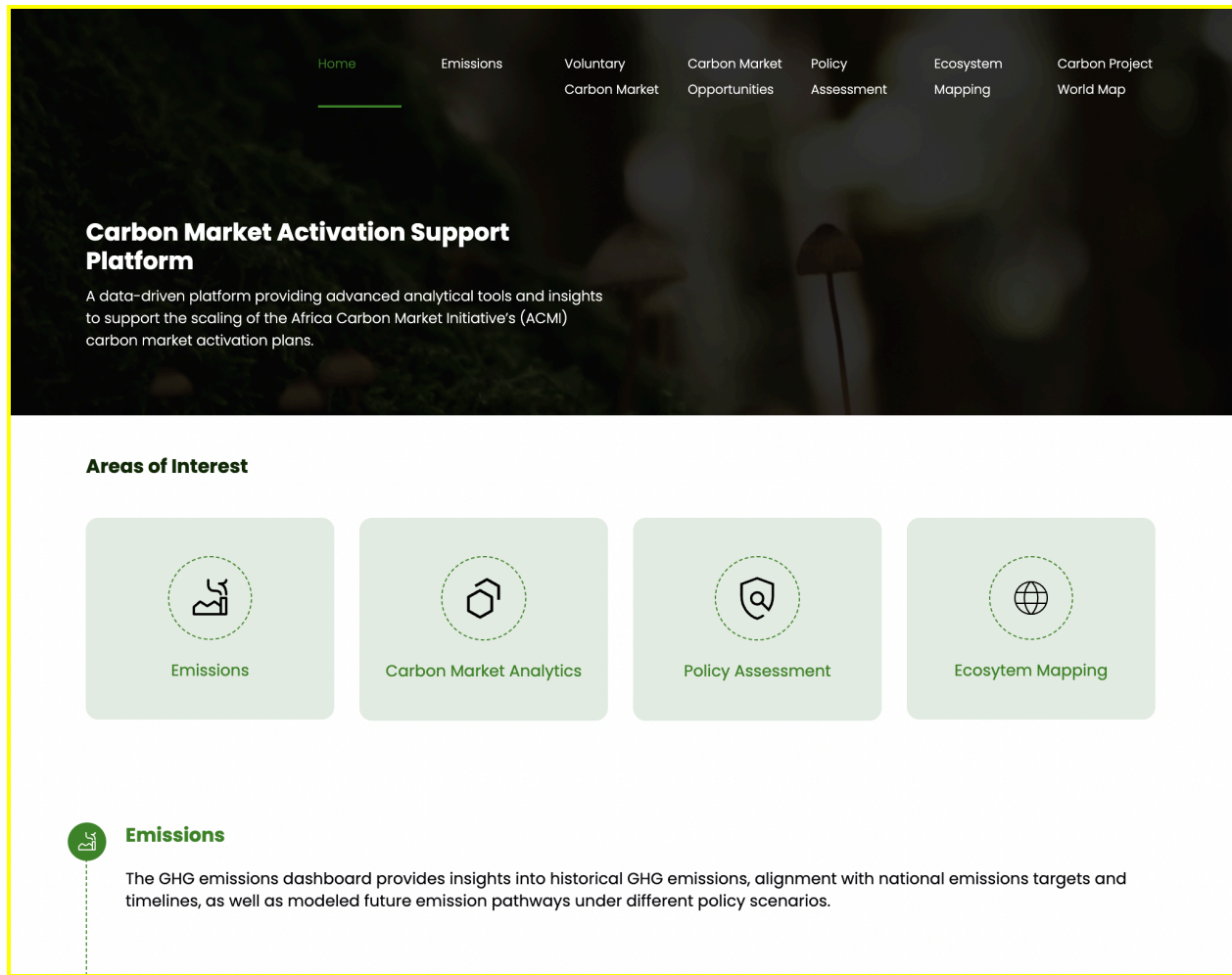
The CMAP platform is designed to be user-friendly, enabling stakeholders to navigate efficiently through various analytics and data insights. This section will guide you through the primary components of the user interface and how to interact with them.

## Homepage Overview

**Home Page:** Upon logging into the CMAP platform, users are greeted by the home page, which provides an overview of all available modules. Users can select any module to dive deeper into specific analyses. The homepage offers a snapshot of the CMAP Platform's core functionalities:

- **Areas of Interest:** Quickly access various modules such as Emissions, Carbon Market Analytics, Policy Assessment, Ecosystem Mapping, and the Carbon Project World Map.
- **Download Centre:** A prominent feature allowing for the immediate download of the user manual.





## Dashboard Navigation Bar

The top of the interface features a navigation bar with the following elements:

- **Country Selector:** A dropdown menu to select the country for which you want to view or analyze data. This allows for a tailored experience, focusing on country-specific carbon market information.
- **Module Tabs:** Direct access tabs to different sections, including Emissions, Voluntary Carbon Market, Policy Assessment, and more, providing a structured pathway through the platform's extensive resources.
- **Download Report Button:** Positioned to the right, an easily accessible button for downloading detailed reports based on the data and analyses you've engaged with. You have the option to either download an isolated report for one module or a report cutting across all modules for a specific country.

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## Generating reports

- **Downloading Data:** Users have the option to download the displayed data in various formats (e.g., CSV, PDF) for offline analysis or reporting. The download button is prominently featured on the top-right of the module.
- **Generating Reports:** The platform allows users to generate customised reports by selecting relevant data points and compiling them into a structured format.
- **Timely Updates:** Data is updated in a timely manner, ensuring that users always have access to the latest information.

## Advanced Features

- **Methodology:** At the bottom of every module there is a download feature enabling you to access the methodology document for every module.



- **User Support and Tutorials:** Integrated tutorials and support tools guide new users through the platform's capabilities. The user manual can be downloaded on the landing page.