UNEP's Eye on Methane Data platform:

https://methanedata.unep.org/

Version: 15 Nov, 2024

Release notes:

Introduction:

Welcome to the Eye on Methane, the methane emissions data platform of the UN Environment Programme's International Methane Emissions Observatory (IMEO).

Methane is the second most powerful driver of climate change after CO2, with human activities contributing to roughly a third of current warming. Reducing methane emissions presents a significant climate opportunity, provided individuals have the necessary data to act and measure progress.

Eye on Methane goes beyond simple emission rates, providing a comprehensive view through density mapping and integrated datasets. This allows users to uncover hidden patterns, understand the bigger picture and drive impactful change.

KEY FEATURES:

1. **Step by Step Data Integration**:
    - Eye on Methane combines validated methane data from satellites, industry, and scientific research, creating a powerful tool accessible to all.
    - By integrating top-down and bottom-up measurements, we achieve more accurate assessments, enabling focused action and increasing impact.
2. **User-Friendly Interface**:
    - Explore the map with options to view data by country, OGMP company, or scientific study.

    - The map displays plumes and emission hotspots detected from satellites in the oil and gas sector, as well as methane plumes in the coal and waste sectors, all analyzed by the Methane Alert and Response System (MARS) for accuracy.
    - View the number and location of science studies conducted in each country.
3. **Detailed Factsheets**:
    - **Country Factsheets**: Display aggregated emissions data from various sources, including satellite data, data reported through the Oil and Gas Methane Partnership 2.0 (OGMP 2.0), science studies, and publicly reported data. They also show the total number of MARS notifications sent to the country regarding emission events and data quality of oil and gas companies operating in the country.
    - **Company Factsheets**: Include a company's emissions intensity target, total reported emissions for a given year, overall data quality for operated and non-operated assets, and their progression towards OGMP 2.0's Gold Standard of emissions reporting. Data reported by OGMP 2.0 companies undergo rigorous IMEO review and quality assurance.
4. **Science Studies**:
    - Browse all IMEO science studies conducted to date. Select a study to display a summary report and, if published, a link to view and download the full text.
5. **Data Accessibility**:
    - Download comprehensive methane emissions data in CSV or JSON formats.
    - Access our API to integrate IMEO data directly into your systems and applications.
6. **Notifications and Support**:
    - Subscribe to email alerts to receive notifications of significant methane events and data updates.
    - Our expert team is available to support you every step of the way.

Explore Eye on Methane:

- Visit methanedata.unep.org to start exploring.

- Contact us at unep-methanedata@un.org for more information.

TECHNICAL DETAILS & SYSTEM REQUIREMENTS

Eye on Methane is a web-based application designed to provide comprehensive and validated methane emissions data. To ensure optimal performance and user experience, please review the following system requirements and prerequisites.

System Requirements

Minimum Requirements:

- **Operating System**:
  - Windows 10 or later
  - macOS 10.14 (Mojave) or later
  - Linux distributions (Ubuntu 18.04 or later)
- **Web Browser**:
  - Google Chrome (latest version)
  - Mozilla Firefox (latest version)
  - Microsoft Edge (latest version)
  - Safari 13 or later
- **Internet Connection**:
  - Stable broadband connection with a minimum speed of 5 Mbps
- **Hardware**:
  - Processor: Dual-core CPU (2.0 GHz or faster)
  - Memory: 4 GB RAM
  - Storage: 500 MB of available disk space
  - Display: 1280 x 720 resolution or higher

Recommended Requirements:

- **Operating System**:
  - Windows 11
  - macOS 11 (Big Sur) or later
  - Latest stable Linux distributions
- **Web Browser**:

    - Latest versions of Google Chrome, Mozilla Firefox, Microsoft Edge, or Safari
- **Internet Connection**:
    - Stable broadband connection with a minimum speed of 10 Mbps
- **Hardware**:
    - Processor: Quad-core CPU (3.0 GHz or faster)
    - Memory: 8 GB RAM or more
    - Storage: 1 GB of available disk space
    - Display: 1920 x 1080 resolution or higher

Prerequisites

- **JavaScript Enabled**: Ensure that JavaScript is enabled in your web browser settings.
- **Cookies Enabled**: Enable cookies to allow for session management and personalized settings.

Additional Information

- **Security**: Eye on Methane uses HTTPS to ensure secure data transmission. Please ensure your browser supports HTTPS.
- **Support**: For technical support and assistance, contact our team at unep-methanedata@un.org.