



# INTERTANKO

## INTERTANKO Environmental Performance and Monitoring Database (EPMD) User Guide

### Contents

Objective	2
Company and Member information	2
Head office and branch offices	2
Type and Number of Tankers	2
Reporting Period	2
Environmental data	3
Dropdown menus	3
Average EEOIs and Note on EEOI Benchmarking	3
Bilge water production	3
Feedback	4

## Objective

INTERTANKO's Environmental Performance and Monitoring Database (EPMD) tool is designed to provide Members submitting environmental performance data with the means to assess the relative environmental performance of their fleet, per tanker type, against that of the pool of data in the database for both the same tanker type and the entire pool as a whole.

It is **important** to recognise that the averages provided in the database are used as **indicators only** and are not absolute figures to be used for direct comparison between vessels.

## Company and Member information

Access to the EPMD is granted to individuals associated with INTERTANKO Member companies. The Member company name associated with the user account will be linked to the exact same company name that is reflected in INTERTANKO's membership database.

## Head office and branch offices

As per other INTERTANKO databases and benchmarking tools, larger companies with fleets divided across different regions and offices have the opportunity to enter data for just the tankers managed by a single office. Alternatively, the company may enter data for the entire fleet through a single user. For more details on this and using the platform to compare fleets within a single Member company, please contact the INTERTANKO Benchmarking and Performance Monitoring (BPM) team: [bpm@intertanko.com](mailto:bpm@intertanko.com)

## Type and Number of Tankers

While the database is not developed for use as a direct comparison benchmarking tool, it does provide the user with the opportunity to review information by tanker type. This should provide greater insight when reviewing a Member's vessels against the INTERTANKO pool and also offer greater insight when the statistics generated by the information are used to map industry trends.

It is therefore necessary to enter data separately for each tanker type within a Member's fleet. The number of tankers in the fleet should therefore reflect the number of tankers of the specific type entered under the preceding drop-down menu.

## Reporting Period

During development, it was noted that the data entered by the user had not transferred into the Benchmarking section of the tool. This was found to be a result of the incorrect or a different 'Reporting Period' selected for review. It is therefore useful to remember what Reporting Period data is being entered for and which periods are desirable for review when using the Benchmarking pages.

## Environmental data

Recap of the 'Reporting Period', 'Vessel Count' and 'Vessel Type' is provided at the top of the environmental aspects reporting page.

Raw data is added at the Reporting stage and is then converted to averages when displayed on the 'Benchmarking' pages.

Submitters may choose to enter data for all the environmental elements or just a few specific elements based on their company's priorities and internal data collection systems, i.e. **data does not need to be entered into all the fields in order to complete and submit a Report.**

## Dropdown menus

Several drop-down menus have been included, for example, to select different ballast water management systems. If an option does not exist for your fleet, please advise INTERTANKO's BPM team: [bpm@intertanko.com](mailto:bpm@intertanko.com)

More than one option for the dropdown menu selections can be added by using the + feature to the right of the data field.

## Average EEOIs and Note on EEOI Benchmarking

There is a significant variation in the Energy Efficiency Operational Indicator (EEOI) for each vessel and on each voyage as has been demonstrated by INTERTANKO's study on sister ships submitted to the International Maritime Organization's Marine Environment Protection Committee (MEPC). The general conclusion of the study is that 'although a ship can be managed in a consistent manner, it will still have significant inter-year variations. Within the variability of data, a given ship indicator or total CO2 emissions in one year provide little indication of same indicator value of CO2 emissions in the following year'. This means the EEOI is very much affected from operations of the vessel rather than the actual consumption of the vessel and it is therefore extremely difficult to meaningfully compare values between vessels.

With this understanding, the information provided in the 'Report' may allow the submitter to gain an indication only of the average CO2 emissions per tanker and the average EEOI per tanker, in the tanker type category being considered.

## Bilge water production

Bilge water generated per vessel depends on many different factors that may vary significantly from company to company and vessel to vessel (e.g. age of the vessel, company PMS practices, trade of vessels in specific geographical areas etc). Submitters should therefore view and assess the 'Report' for Bilge Water as being indicative only and not an absolute figure which can be directly benchmarked or compared from vessel to vessel or company to company.

## Feedback

The value of the EPMD tool will depend on the number of Members that submit information and therefore provide a meaningful quantity of data to establish trends and undertake analysis. It is therefore important to ensure that the tool is intuitive and easy to use. As such, INTERTANKO values your feedback so we can continue to develop and improve the tool. Any feedback received will be evaluated by INTERTANKO's Environmental Committee and where possible incorporated into the tool.

Any queries or questions relating to data entry and reports are also encouraged so that this guidance document can also be refined and improved based on user experience.

Contact: [bpm@intertanko.com](mailto:bpm@intertanko.com) or [environment@intertanko.com](mailto:environment@intertanko.com)