

# Beta test

## Rating Schemes – Guidance for users



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## Introduction

Sustainable rating and benchmarking schemes have proved essential when establishing a baseline from which to raise standards internationally across an industry.

The SSI wants to increase the uptake of rating schemes in shipping and has developed an online comparison tool and the following guidance to help cargo owners, charterers, ports and ship owners choose the right rating scheme for their needs.

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**Beta testing the tool and  
understanding more about Rating  
Schemes**


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## Getting started

Go to <http://ssi.brenock.com/Scheme/Search>

**Search and Compare Schemes** choose what you are interested in viewing

Home > Ratings and Schemes



**Rating Schemes**


- Clean Cargo Working Group (CCWG)
- Clean Shipping Index (CSI)
- Environmental Ship Index (ESI)
- Fair Winds Charter (FWC)
- Green Award
- Green Marine
- Marine Vessel Environmental Performance (MVEP)
- OVG Hong Kong
- RightShip
- Shipping Efficiency.Org
- Triple-E


To compare different rating schemes select the factors, characteristics, and measures you are looking for and then click on "Search"


**Search**

Categories	Criteria	Select
Are you ...	A ship owner	<input type="checkbox"/>
	A cargo owner	<input type="checkbox"/>
	A charterer	<input type="checkbox"/>
	A port or terminal	<input type="checkbox"/>
What vessel types are you interested in?	Container	<input type="checkbox"/>
	Bulk carrier	<input type="checkbox"/>
	Tankers	<input type="checkbox"/>
	General cargo	<input type="checkbox"/>
	RoRo	<input type="checkbox"/>
	Cruise	<input type="checkbox"/>
What measurement and outputs do you want?	CO2	<input type="checkbox"/>
	SOx and PMs	<input type="checkbox"/>
	NOx	<input type="checkbox"/>
	Water and waste	<input type="checkbox"/>
	Chemical use	<input type="checkbox"/>

**Search**

 How to use Rating schemes to make sustainable decisions

 Search and Compare Tool

 Why the SSI supports the use of rating schemes

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## Who are you?

There is currently no single rating scheme that is perfect for everyone – each responds to different stakeholders needs

Which is why the tool asks you three questions to narrow down the list of rating schemes that will meet your needs.

## Are you....?

A ship owner

A cargo owner

A charterer

A port or terminal

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## Applicability

Ideally you want to use the rating scheme that is most applicable to your vessel type.

The Search and Compare Tool will return all schemes that include the vessel types you select.

## What vessel type are you interested in?

Containers

Bulk carriers

Tankers

General cargo

RoRo

Cruise

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## Output and measurement

The outputs refers to the characteristics measured by the scheme – CO<sub>2</sub>, NO<sub>x</sub> etc.

Select the output that is of interest to you – the tool will return schemes that assess the items selected.

*Note that most schemes focus on CO<sub>2</sub>/energy efficiency. Social aspects are under-represented at present.*

### What measurement and outputs do you want?

CO<sub>2</sub>

Sox and PMs

NO<sub>x</sub>

Water and waste

Chemicals

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**Search and Compare**

**sustainable  
shipping  
initiative**



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## Search results

The search function should return between 2 and 5 schemes for you to compare.

- If this hasn't happened then you may need to refine your search by reducing the

The shortlist of schemes will be lined up so you can compare them to one another.

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## Overview

The first section includes:

- Links to the rating scheme's website
- A summary of the scheme
- Geography - *some schemes apply only in limited geographic area*
- Cost

Rating schemes - Search and compare  
Results of the search are found below:

Show All Details Refine search Print Preview

### Overview

Rating Scheme:	Marine Vessel Environmental Performance (MVEP)	Triple-E
Website details	<a href="#">Link to MVEP and SNAME</a>	<a href="#">Link to Triple-E</a>
At a glance	MVEP is still under development The scheme hopes to provide standard performance criteria to quantify the environmental impact of a ship's lifecycle	Triple-E rates the environmental and energy efficiency performance of ships
Geographical area of operation	Global	Global
Costs - and who pays?	Not available	One time fee to ship operators/owners when the rating is issued

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## What vessel types are you interested in?

The comparison results will show you which vessel types each scheme includes.

*Some rating schemes cover more vessel types while others specialise and may therefore be more representative for the specific segment*

It will also tell you how many vessels are included in the scheme

What vessel types are you interested in?		
Rating Scheme:	Marine Vessel Environmental Performance (MVEP)	Triple-E
Container	Yes	Yes
Bulk carrier	Yes	Yes
Tankers	Yes	Yes
General cargo	Yes	Yes
RoRo	Yes	Yes
Cruise	Yes	Yes
What other vessel types?	No others	Seismic vessels
Number of vessels in scheme	None yet	33 Vessels

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## What measurement and outputs do you want?

This section includes information about:

- The outputs from each scheme
- How the rating is achieved
- The sort of benchmarking that is possible

*Don't try to compare tugs with tankers – whichever rating scheme you choose, only compare between similar vessels, companies, services and routes*

### What measurement and outputs do you want?

Rating Scheme:	Marine Vessel Environmental Performance (MVEP)	Triple-E
CO2	Yes	Yes
SOx and PMs	Yes	Yes
NOx	Yes	Yes
Water and waste	Yes	Yes
Chemical use	Yes	Yes
What others?	VOCs	None
How is the rating calculated	Single comparable units Based on absolute units e.g. tonnes of sulfur oxides from exhaust gas Normalized per unit of work as appropriate to the vessel type	Step rating Four levels each with a set of specified requirements 1 – best score Each level has a set of specified compliance requirements
How does the scheme enable comparison and benchmarking?	Not specified	Between individual vessels

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**Are you ready to choose the scheme for you?**

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## What now?

Are you down to just one or two schemes?

Is it clear which ones are the best for your business needs?

What more do you need to make that final decision or recommendation?

- Click on “**Show all details**” for more information about output data
- Go to “**Print preview**” and use it start to sharing the results with our colleagues
- Take a look at the scheme’s own website
- Check out the case studies on the SSI website

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## Check that the output format is a match for your needs

The output formats used include:

**Step rating** e.g. A to G score

Some schemes use a step rating or general score to compare vessels

**Actual performance data** – e.g. CO<sub>2</sub> per tonne/km

This is particularly useful for comparing between vessels and reporting

**Pass/Fail**

Mainly useful where this gives access to port services, discounts or other benefits

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## User specific information

**Container Shipping** customers and some RoRo customers purchase space on a service or shipping route rather than a specific ship.

*Schemes such as CCWG allow comparison between different operators on the same services and routes*

**Oil, Gas and Bulk** customers tend to charter specific ships, and therefore prefer Rating Schemes which enable comparison between specific ships such as RightShip.



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## Advanced considerations

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## Beyond Beta testing

We are developing more information and guidance to help users make even better decisions about which rating scheme(s) they should be using.

This includes:

- Verification
- Benefits to users
- Performance data

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## Verification

**3rd party verification of performance data** is important to you if you need credible data for reporting purposes.

**Verification varies between schemes.** Some schemes offer 3rd party verification of data but it is not always carried out – *so check if the ship or company data has actually been verified*

**Sample or full fleet.** Check if the rating for a fleet is based on an assessment of the full fleet, or on a small sample

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## Benefits to users

Most rating schemes are designed to enable comparison between ships, services or fleets, to allow business customers to select and reward best performers, and for ship owners/operators to differentiate themselves in the market. Other schemes have linked up with ports and offer benefits, such as reduced port fees.

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## Performance data

Schemes build their ratings based on different information. We have identified three primary types of information, which suits different purposes:

### Primary performance data

This is data based on actual performance data reported directly by the ship owners. Primary performance data typically suits cargo owners who want to calculate actual emissions and benchmark performance of ship operators.

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## Performance data (*continued*)

### Secondary data and design specifications

This is data based on theory and static measures rather than actual performance data. It does not take vessel operations into account.

Secondary data may be used if primary data is not available and some schemes use the design characteristics of a vessel to estimate performance.

*- These schemes will tell you if a ship is designed to be energy efficient, but will not tell you if the ship is being operated in an efficient manner*

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## Performance data (*continued*)

### Implementation of procedures

Rating schemes like this are based on how well a ship or ship operator has implemented procedures to measure and reduce its impacts.

They do not measure the actual impacts of a ship but can indicate whether a ship or company is working to improve performance.

Implementation of procedures typically suits the need of ship owners for internal processes and can help ship owners improve overall performance.

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**What more do you  
need to start using a  
rating scheme?**



**Let us know:**

**SSI Secretariat [info@ssi2040.org](mailto:info@ssi2040.org)**