Maritime Green Financing Survey

Introduction

Page description:

Ricardo has been contacted by the European Commission to conduct this survey and engage stakeholders to understand the financial needs within the maritime sector (under Framework Contract MOVE/ENER/SRD/2020/OP/0008). This survey forms part of a larger study that aims to assess the situation in terms of demand and supply of finance for the maritime sector and develop an inventory in the form of a toolbox of the available financing instruments, tools and products that are relevant to support investments in the shipping sector. This will contribute to:

- Improving the visibility and communicating the availability of green financing options and opportunities to shipping sector stakeholders
- Reducing the administrative burden related to securing green financing for shipping projects
- Identifying gaps in the availability and relevance of existing options to finance investments
- Defining concrete options for shipbuilding and maritime equipment industry stakeholders to access EU financing instruments

The responses from this survey are vital to understand the sector's needs and level of understanding of the financing tools available to them. It also will gather evidence from providers of financing tools to gauge their level of knowledge into the needs of the maritime sector.

1.1 Background

In March 2020, the Commission put forward the proposal for the first EU Climate law. It aims to write into law the goals set out in the European Green Deal. In the 2030 Climate Target Plan, the Commission proposed to cut EU GHG emissions by at least 55% by 2030 and to become climate neutral by 2050. On 14 July 2021, the Commission proposed the Fit for 55 Package to implement the European Green Deal targets. A set of proposals to revise and update EU legislation including policies directly affecting waterborne transport was initiated. This included: Fuel EU Maritime, the Alternative Fuels Infrastructure Regulation, the Renewable Energy Directive revision, and the Sustainable and Smart Mobility Strategy (SSMS).

A combination of measures is likely to be needed to transform the shipping sector to a low carbon future, e.g., policies to increase investments and develop the technology readiness levels of low carbon solutions focused on energy efficiency and replace traditional maritime fuel with sustainable alternatives. The availability of both public and private funding and financing programmes can play a vital role in supporting this process. In the recent years however, there appeared some challenges with respect to the financing of green shipping.

Therefore, the results of this survey are critical for understanding the European maritime sector and its green financing needs. Given the many financing tools available, having a complete map of what is available and what is needed is key for the European Union to achieve its decarbonisation goals and given the role of your organisation you have been carefully selected to provide your insights into this topic. Your response to this survey is therefore highly relevant and we appreciate the time you are taking to answer it, which shouldn't take more than an hour.

1.2 Instructions to complete the survey

This survey is intended to gather evidence in the form of data and opinions from stakeholders.

Please, enter your responses using the online survey form. If you wish to return to the survey to complete your response at a later time/date, please use the 'Save & Continue' function in the toolbar (at the top of your screen). You will be asked to enter your email address to receive a link to return to your survey later. When you use the 'Save & Continue' feature, all survey progress up to that point is saved. When returning to your saved survey, please remember to submit when complete.

Please, note: Although we will only accept responses submitted through the online survey form, you may download a PDF version of the survey to consider your responses before submitting them. Also note that the downloaded version will contain all questions while the online version contains logic that will only display relevant questions based on your answers.

While we have attempted to tailor the questions as much as possible it is possible that not all questions will be relevant for your organisation, or you may not be in a position to respond to them. In these instances, you can simply select "Do not know" or "Not applicable".

The survey is expected to remain open for 8 weeks. The deadline for the submission of your answers is September 16th, 2023. All responses received will be included in the final study results. Moreover, responses received before this date will be included for the upcoming presentation during the Waterborne Days conference, that will take place in Brussels on between the 26 and 27th of September, 2023.

Download Maritime Green Financing survey

1.3 Use of your input

The study team will make use of your contribution (information/data provided) only for the needs of this study and of any subsequent related report prepared by the Commission services. Your response will be shared with the Commission services. Responses will not be published. However, we may refer to information provided in this questionnaire, within the final report, except where there are specific confidentiality considerations identified. Ricardo and partners are happy to discuss and agree confidentiality requirements where this would be necessary.

Please indicate how you would like us to present the information provided in this survey and any other information or data you provide to us. *

- **Public** Your contribution will be referenced to the organisation represented.
- Anonymous Your contribution will be anonymised (i.e. without the name/name of the organisation but with affiliation to industry sector, e.g. "national authority, transport operator representative, environmental NGO").

The privacy statement for the study can be viewed here.

Contact information

2. Contact information

1. In order to analyse the input to this survey, we ask you to provide some personal information (name, email address, etc).

	Contact Information
Organisation name *	
Contact name *	
Position/role in the organisation *	
Email address *	
Telephone number	
Member State (if applicable)	

- 2. Please indicate if you are responding to this survey on behalf of yourself/your organisation or on behalf of someone else.*
 - My organisation
 - For someone else Please specify

Respondent's profile

Respondent's profile

3. In which EU/EEA country is your organisation based?



4. Do you have subsidiaries in other EU/EEA countries? If so, please specify which countries.
☐ Austria ☐ Belgium ☐ Bulgaria ☐ Croatia ☐ Cyprus ☐ Czechia ☐ Denmark ☐ Estonia ☐ Finland ☐ France
☐ Germany ☐ Greece ☐ Hungary ☐ Iceland ☐ Ireland ☐ Italy ☐ Latvia ☐ Liechtenstein ☐ Lithuania
☐ Luxembourg ☐ Malta ☐ Netherland ☐ Norway ☐ Poland ☐ Portugal ☐ Romania ☐ Slovakia ☐ Slovenia
☐ Spain ☐ Sweden
5. Please specify the size category of your organisation based on number of employees. *
C Large midcaps (up to 3000 employees)
C Large companies/firms (over 3000 employees)
6. Are you representing other organisations and/or members?
C Yes
O No
If so, could you please specify the percentage of SMEs your organisation represents?

 What is your core activity, or the core activity of the organisations you represent, bat different subgroups included in each category. 	ased on the classification provided? Please select an option to see	the
Maritime industry		
C European associations /bodies, R&D and advocacy		
C International bodies		
C Financial institutions		
C Insurers		
National/sub-national authorities		
© European Commission		
Organisation sub-type		
Please select sub-group. Select as many as applicable to you.		
	Sub-groups	
Shipowners / shipowners associations		
Ship operators / ship operators' associations		
Shipowners & ship operators / associations		
Ship builders & shipyards / ship builders & shipyards associations		
Port operators		
Fuel supply chain		
Marine equipment manufacturers / associations		
Technology producers /suppliers		
Classification societies	П	
International/regional maritime industry associations /bodies /alliances /networks		

Please select sub-group. Select as many as applicable to	
	Sub-groups
European associations /bodies (e.g. Marine OEM)	
Environmental NGOs	
Other R&D and advocacy (e.g. academia, foundations)	
Other (please specify)	
Please select sub-group. Select as many as applicable to	you.
National Promotional Banks	
European Investment Bank (EIB)	
International ship financing frameworks	
Commercial banks	
Alternative lenders	
Other (please specify)	
Please select sub-group. Select as many as applicable to	you.
Hull and machinery insurer	
P&I Clubs	
Other insurers (please specify)	
Please select sub-group. Select as many as applicable to	you.
Member State Government ministries	
Member State national/regional competent authorities	

Port and harbour authorities		
Other (please specify)		
If other, please specify.		
8. How long has your organisation been active in the maritime sector?		
C Fewer than 3 years		
C 3 to 10 years		
C 10 to 20 years		
More than 20 years		
9. When considering financing tools do you consider yourself to be a:		
C Finance seeker (i.e. looking for capital)		
C Intermediary (i.e. facilitator of financing and funding deals)		
Other (please, specify)		
Maritime industry - Requirements and/or needs of the maritime sector conce	erning decarbonisation and access to financ	ce

Page description:

This section aims to capture the understanding of the financing tools available for the maritime sector. It further seeks to ascertain what types of projects would require financing and which products/ tools have been considered to-date and may be considered in the future. Finally, the drivers to search for financing tools are requested.

10. Does your organisation or members of your organisation have an investment plan for the coming five years?
C Yes
C No
Not yet, but we are working on it
Other (please specify)
O Not applicable
If yes or if it is being currently developed, please specify the timeline for the planned investment (in years).
11. Is your organisation (or members of your organisation) interested in investing in greening of your operations, assets and/or innovative aspects of the industry (e.g. new technologies)?
C Yes
O No

	Needs and/or equipments	Please,	provide details			
Current legislation (International, EU, national)						
Future/upcoming legislation changes (International, EU, national)						
Customer request						
Organisation sustainability aims						
Shareholder pressure						
Other (please specify)						
12. Do you think there is sufficient information choosing a financing product/ tool to offer to	the market?					
	Γ	No information	Insufficient	Unsure	Sufficient	Comprehensive
Perceived Information Level		O	C	O	C	O
	ur organisation sought					
	ur organisation sought					
13. Has your organisation or members of yo	ur organisation sought					

14. What investments specifically would be necessary for you or the members of your organisation to 'modernise' their businesses in the context of improving the environmental performance of your or their activities? If possible, please detail the level or number of investments foreseen in each category.

	Needs and/or requirements	Please provide detail on the investments foreseen
Energy efficiency measures on-vessel		
Propulsion systems		
Onboard fuelling/charging equipment		
Fuelling/charging infrastructure onshore		
Energy generation onshore		
Energy storage onshore		
New vessel purchase		
New equipment purchase		
Retrofitting of decarbonised technology		
Digital/autonomous systems to improve operational efficiency		
Don't know		
Public service obligations related support measures		
Other (Please specify)		

☐ (Green) loan
Green) bond
☐ Sustainability linked loan
Guarantees
☐ Blended finance
Concessions
☐ Grants
☐ R&D subsidies
☐ Capex subsidies
Contracts for difference (Opex subsidies)
Other (please specify) No, we have not considered any
☐ Don't know
☐ Not applicable
For reference, please find below the following financial instruments and their respective explanation.
For reference, please find below the following financial instruments and their respective explanation.
Copy of For reference, please find below the following financial instruments and their respective explanation.

15. Have you or the members of your organisation considered any of the financing products/tools previously mentioned to help cover your organisation's future?

16. What types of projects (with regards to the development status of the project) would you or the members of your organisation be looking to finance?
☐ R&D (i.e. TRL 1-4)
Commercial prototype I: Piloting phase (i.e. TRL 5)
Commercial prototype II: Early adoption (i.e. TRL 6)
☐ Build & Scale (i.e. TRL 7)
Proven commercial proposition (i.e. TRL 8)
☐ Capital markets ready (i.e. TRL 9)
Other (please specify)
☐ Don't know
□ Not applicable

17. Please estimate the total costs of these investments (in million EUR) across your fleet. If possible, please also break down these costs into the categories	
provided.	

	<0.2	0.2-0.5	0.5-1	1-5	5-10	10-50	>50	Don't know
Total investment	0	О	O	0	0	0	0	O
Energy efficiency measures on-vessel	0	0	0	O	0	0	О	O
Propulsion systems	0	0	O	О	0	0	0	O
Onboard fuelling/charging equipment	0	O	0	0	0	0	0	O
Fuelling/charging infrastructure onshore	0	0	O	О	0	0	0	O
Energy generation onshore	0	O	0	O	0	0	0	O
Energy storage onshore	0	0	0	0	0	0	0	C
New vessel purchase	0	0	0	0	0	0	0	C
New equipment purchase	0	0	0	0	0	0	0	C
Retrofitting of decarbonised technology	0	0	0	0	0	0	0	O
Digital/autonomous systems to improve operational efficiency	0	0	0	0	0	0	0	O
Other (please specify)	O	O	0	O	C	0	O	O

If otl	her,	plea	ıse s	peci	ify		

	Requirements	Parameters or criteria
Alignment to project/organisation goals		
Size of funding/support available		
Speed of setup		
Payback time		
nterest rates		
Risk sharing		
Credibility of provider		
Other (please specify)		
Other (please specify)	s in obtaining financ	ng for you or your members' intended investments related to the current and fut utline them?
No		
omments		

	No knowledge	Limited knowledge	Neither good nor bad	Good knowledge	Excellent knowledge
(Green) loan	О	О	O	О	О
(Green) bond	О	O	C	О	О
Sustainability linked loan	O	0	О	C	C
Guarantees	О	O	С	О	0
Blended finance	О	O	C	О	0
Concessions	O	O	С	О	0
Grants	0	0	C	О	0
R&D subsidies	O	O	С	О	0
Capex subsidies	0	O	C	0	0
Contracts for difference (Opex subsidies)	C	0	О	C	C
Other (please specify in comments)	О	O	С	О	О
comments					
What are your views on t	the European shi	p financing market	t. If you operate in sever	al European marke	ts, please address t

C Yes	
C No	
Comments	
	J
CCMI/193, 20/01/2022), has called on the EU to "financially incentivise EU	industrial strategy for the maritime technology sector (own-initiative opinion), shipowners to build vessels in Europe, while keeping supply chains and subcomponen oposals should be taken into account due to the fact that maritime opportunities are very and resilience plans."
n this context, under which conditions would you consider having a vessel	built in the EU?
a) With the financial incentive, the vessel would be:	
C Slightly more expensive than in Asia (up to 10%)	
C Same price as in Asia	
C Cheaper than in Asia	
Other (please specify)	

22. In your opinion, is there generally a market gap for ship financing? If it is the case, please explain in comments.

p) Please list reasons for working with EU shipyards if additional funding would be provided.
c) Please list reasons for not working with EU shipyards even if additional funding would be provided.
Maritime industry- Financing products to cover the needs and/or requirements from the maritime industry
Page description:

Page description:
This section aims to understand the historic experience with applying for and receiving financing tools. The sources of these services are explored, and the nature and size of any product/tool received or provided identified.

24. What institutions has your organisation or members of your organisation considered and/or contacted over the past five years when seeking external finance (even if your organisation did not apply for finance in the end)? Please select all that apply.

	Financing institutitions	Please specify
Generalist private bank(s)		
Sector specialist private bank(s)		
National Development Bank		
Sector specific public-private financing body		
Equity investor (business angel, equity fund)		
Private organisation other than equity investor (e.g. private fund)		
Private individuals (e.g. family or friends)		
Government/EU body as a subsidy provider		
Others - Please specify		
None of the above		
Not applicable		

25. Where did your organisation or members of your organisation apply for its most recent financing support?
Generalist private bank(s)
☐ Sector specialist private bank(s)
☐ National Development Bank
☐ Sector specific public-private financing body
☐ Equity investor (business angel, equity fund)
☐ Private organisation other than equity investor (e.g. private fund)
Private individuals (e.g. family or friends)
Government/EU body as a subsidy provider
Other (please specify)
☐ Don't know
□ Not applicable
If others, please specify.

	satisfy what type of needs did your organisation or members of your organisation apply for this financing support? Please select all that apply.
	To bridge the period of waiting for the payment of subsidies earnings (=bridging loan)
	To finance working capital
	To purchase equipment
	To finance investments on existing vessels
	To purchase new vessels
	To finance environmentally related investments on vessels
	Other (please specify)
	Don't know
	Not applicable
	at was the approximate amount of financing across your fleet which your organisation or members of your organisation applied for to support its investment (in millions of EUR)?
needs	
needs	s (in millions of EUR)?
needs O	(in millions of EUR)? <0.2
needs O O	s (in millions of EUR)? <0.2 $>= 0.2 - 0.5$
needs O O	(in millions of EUR)? <0.2 >= 0.2 - 0.5 >= 0.5 - 1
needs O O O	s (in millions of EUR)? <0.2 >= 0.2 - 0.5 >= 0.5 - 1 >= 1 - 5
needs O O O	s (in millions of EUR)? <0.2 >= 0.2 - 0.5 >= 0.5 - 1 >= 1 - 5 >= 5 - 10
needs	(in millions of EUR)? <0.2 >= 0.2 - 0.5 >= 0.5 - 1 >= 1 - 5 >= 5 - 10 >= 10 - 50
needs	(in millions of EUR)? <0.2 $>= 0.2 - 0.5$ $>= 0.5 - 1$ $>= 1 - 5$ $>= 5 - 10$ $>= 10 - 50$ $>= 50$

26. Was your organisation or members of your organisation successful in the application for finance?
C Yes
C No
a) What type of financing tool/product(s) was this for? Please select all that apply.
Comments
b) Was the application fully or partly accepted?
Fully accepted, for 100% of the amount applied for
C Partly accepted, for between 76% and 100% of the amount applied for
C Partly accepted, for between 51% and 75% of the amount applied for
Partly accepted, for < 50% of the amount applied for
C Accepted, but I don't know to what extent
c) What is/was the payback period of the financing tool/product?
C 1 year or less
More than 1 year, but less than 3 years
More than 3 years, but less than 10 years
More than 10 years
C Don't know

d) Did the financing tool/product meet your or your member	rs' needs? Please elaborate on you	ır answer.			
	It did not meet any of the needs	It partially met the needs	Unsure	It met most of the needs	Yes, completely
Perceived effectiveness	С	О	C	О	О
Comments					

	Reasons for not obtaining the financing product
The financier refused to lend because the investment risks were considered to be too high	
The financier refused to lend because of a lack of business relationship with your organisation	
The financier refused to lend because your organisation was unable to present an acceptable business plan and/or inancial plan	
The financier did make an offer but asked for private collateral of stakeholders, which my organisation refused	
The financier did make an offer but proposed a strict non- lexible repayment schedule, which my organisation refused	
The financier did make an offer but asked for requirements other than private collateral that my organisation couldn't meet and therefore refused	
The financier did make an offer, but my organisation refused because of the costs were too high	
Enter another option	
omments	
/hich proportion of your current fleet/assets (or your members') is already tie	ed up as security in outstanding loans or other financing products?

28. Have you received any EU support in the past? EU support de European Commission.	efined as any support or fina	ncing receiving which	can be tra	aced back to funding	from the
© Yes					
O No					
a) If so, in which form?					
b) Have these been effective? If not, please explain your answer.					
	It did not meet any of the needs	It partially met the needs	Unsure	It met most of the needs	Yes, completely
Perceived effectiveness	О	О	0	О	О
Comments					

To bridge the period of waiting for the payment of subsidies earnings (=bridging loan)
☐ To finance working capital
☐ To purchase equipment
☐ To finance investments on existing vessels
☐ To purchase new vessels
☐ To finance environmentally related investments on vessels
Other (please specify) Don't know
□ Not applicable
d) What was the approximate amount of financing which your organisation or members of your organisation applied for to support its investment needs (in millions of EUR)?
C < 0.2
\bigcirc >= 0.2 - 0.5
O >= 0.5 - 1
\circ >= 1 - 5
© >= 10 - 50
C >= 50
C Don't know

c) To satisfy what type of needs did your organisation or members of your organisation apply for this financing support?

29. Have you or members of your organisation participated in any	schemes from national auth	orities to support inve	estments i	n the shipping sector	in the past?
C Yes					
C No					
Not applicable					
a) If so, please specify which ones.					
b) Have these been effective? If not, please explain your answer.	It did not meet any of the	It partially met the		It met most of the	Yes,
	needs	needs	Unsure	needs	completely
Perceived effectiveness	О	С	С	О	О
Comments					

□ To bridge the period of waiting for the payment of subsidies earnings (=bridging loan)
□ To finance working capital
□ To purchase equipment
□ To finance investments on existing vessels
☐ To purchase new vessels
□ To finance environmentally related investments on vessels
Other (please specify) Don't know
■ Not applicable
What was the approximate amount of financing which your organisation or members of your organisation applied for to support its investment needs (in illions of EUR)?
C <0.2
\circ >= 0.2 - 0.5
$\bigcirc >= 0.2 - 0.5$ $\bigcirc >= 0.5 - 1$
C >= 0.5 - 1
C >= 0.5 - 1 $C >= 1 - 5$
C >= 0.5 - 1 $C >= 1 - 5$ $C >= 5 - 10$
O >= 0.5 - 1 $O >= 1 - 5$ $O >= 5 - 10$ $O >= 10 - 50$
O >= 0.5 - 1 $O >= 1 - 5$ $O >= 5 - 10$ $O >= 10 - 50$ $O >= 50$

c) To satisfy what type of needs did your organisation or members of your organisation apply for this financing support? Please select all that apply.

) Have these been effective	: Il flot, please, explain your answe	er.			
	It did not meet any of the needs	It partially met the needs	Unsure	It met most of the needs	Yes, completely
Perceived Effectiveness	C	O	0	O	0
Comments					
				financing support? Please	
☐ To bridge the period o☐ To finance working ca☐ To purchase equipme		lies earnings (=bridging loa			
☐ To finance working ca	pital	lies earnings (=bridging loa			
☐ To finance working ca☐ To purchase equipme	pital ent ts on existing vessels	lies earnings (=bridging loa			
☐ To finance working ca☐ To purchase equipme☐ To finance investment☐ To purchase new vess	pital ent ts on existing vessels				
☐ To finance working ca☐ To purchase equipme☐ To finance investment☐ To purchase new vess	npital ent ts on existing vessels sels ntally related investments on vesse				
☐ To finance working ca☐ ☐ To purchase equipme ☐ To finance investment ☐ To purchase new vess ☐ To finance environment	npital ent ts on existing vessels sels ntally related investments on vesse				

30. Did you organisation or members of your organisation receive external financing in form of equity?

c) What was the approximate amount of financing which your organisation of millions of EUR)?	or members of your organisation applied for to support its investment needs (in
C <0.2	
C >= 0.2 - 0.5	
C >= 0.5 - 1	
○ >= 1 - 5	
C >= 5 – 10	
C >= 10 - 50	
C >= 50	
C Don't know	
	electing/prioritising financing products/tools? Please select as many as applicable. Factors
Scope of product/tool	
Size of funding/support available	
Speed of setup	
Payback time	
Interest rates	
Administrative requirements	
Comments	

32. Could you explain the decision-making process that goes on when it comes to selecting a financing product/tool?
33. What is the structure of financing of your current assets and/or operations in your organisation or of the members of your organisation?
So. What is the structure of infancing of your current assets and/or operations in your organisation of the members of your organisation:
34. What are the terms and conditions of the external financing tools/products used to finance your assets and/or operations or of the members of your organisation?
35. Do you or the members of your organisation currently have one main relationship bank?
Yes
C No

36. Do you or the members of your organisation currently have a problem with accessing the commercial financing? If so, please explain.
© Yes
O No
Other (please specify)
C Not applicable
Comments
37. What are the terms of current offers/discussions/negotiations with your bank(s) for your and/or for the members of your organisation?
Maritime industry - Application procedure and technical advisory support
Page description: In the following questions, we want to identify the process organisations go through when applying for financing products/tools and what challenges may be faced whilst applying. The aim of asking these questions is to gain an understanding from responses to the questions as to how to reduce the administrative burden for future organisations seeking financing products.
38. Did your organisation or their members submit an application to a financing product or tool over the past five years? C Yes
O No
O Not applicable

	Very positive	Somewhat positive	Neither positive nor negative	Somewhat negative	Very negative
Experience on the application process	O	0	О	O	0
Based on your experience, what are the main challenges and your answer.	l/or barriers to the	administrative prod	cess of applying for financing	g products/tools? F	Please explain
			Barriers		
Time requirements to identify/apply					
Resource requirement to identify/apply					
Lack of knowledge where to look for opportunities					
Unclear on suitability of the different options					
Other - Please specify in comments					
Comments					
39. When applying for a financing product/tool do you or the r	members of your o	rganisation apply o	directly or with help from a th	nird party/with addi	tional support?
With the help from a third party					
Other (please specify)					

40. When applying for a financing product/tool, what addit	tional support would be
	Support
Administrative support	
Application writing	
Technical support	
Financial advice	
Other (please specify in comments)	
Comments	
11. When applying for financing products/tools, how long	doos the process (o.g.
Please explain your answer.	does the process (e.g.
C Less than 1 month	
C 1-3 months	
C 4-6 months	
C 7-9 months	
C 10-12 months	
C >1 year	
Comments	

organisation have applied for? Please explain your answer.
C Less than 1 month
C 1-3 months
C 4-6 months
C 7-9 months
C 10-12 months
C >1 year
Comments
43. Based on your experience, what aspects of the application process could be improved in order to help reduce the administrative burden for applicants of financing products/tools?
Requirements and/or needs of the maritime sector concerning decarbonisation and access to finance Page description:
This section aims to capture the understanding of the financing tools available for the maritime sector. It further seeks to ascertain what types of projects

would require financing and which products/ tools have been considered to-date and may be considered in the future. Finally, the drivers to search for

financing tools are requested.

42. Since the submission of the application, how long does it typically take to obtain the financing product/tool your organisation or the members of your

O Yes		
O No		
Not yet, but we are workin	g on it	
ls your organisation interested	d in investing in greening your operations, assets and/or in	nnovative aspects of the industry (e.g. new technologies)?
⊙ Yes		
○ No		
o, what has driven your need t	o seek/provide financing tools for maritime decarbonisation	on? Please select as many as applicable.
	Needs and/or requirements	Please provide details
Current legislation (international, EU, national)		
Future/upcoming legislation changes		
(international, EU, national)		
(international,		
(international, EU, national) Customer		
(international, EU, national) Customer request Organisation sustainability		

46. Do you think there is sufficient information available fo market?	r your organisation to make in	formed decisions	when choosin	g a financing pr	oduct/ tool to offer to the
	No information	Insufficient	Unsure	Sufficient	Comprehensive
Information available	O	0	0	0	O
47. Has your organisation or members of your organisation	n sought external finance over	the past five year	rs?		
C Yes					
O No					
48. What investments specifically would be necessary for performance of your or their activities?	you or your members to 'mode	ernise' their busine	esses in the co	ontext of improv	ing the environmental
□ Energy efficiency measures on-vessel					
☐ Propulsion systems					
☐ Onboard fuelling/charging equipment					
☐ Fuelling/charging infrastructure onshore					
Energy generation onshore					
□ Energy storage onshore					
□ New vessel purchase					
□ New equipment purchase					
☐ Retrofitting of decarbonised technology					
☐ Digital/autonomous systems to improve operationa	l efficiency				
☐ Public service obligations related support measure	s				
Other (please specify)					
☐ Don't know					

49. Have you or your members considered any of the following financing products/tools to help support yours or their organisation's future needs?
☐ (Green) loan
☐ (Green) bond
☐ Sustainability linked loan
☐ Guarantees
☐ Blended finance
Concessions
☐ Grants
☐ R&D subsidies
☐ Capex subsidies
☐ Contracts for difference (Opex subsidies)
Other (please, specify)
☐ Don't know
□ Not applicable
For reference, please find below the following financial instruments and their respective explanation.

50. What types of projects (with regards to the development status of the project) would you or your members be looking to finance?
☐ R&D (i.e. TRL 1-4)
Commercial prototype I: Piloting phase (i.e. TRL 5)
Commercial prototype II: Early adoption (i.e. TRL 6)
☐ Build & Scale (i.e. TRL 7)
Proven commercial proposition (i.e. TRL 8)
☐ Capital markets ready (i.e. TRL 9)
Other (please specify)
☐ Don't know
□ Not applicable

	Requirements	Parameters or criteria
Alignment to project/organisation goals		
Size of funding/support available		
Speed of setup		
Payback time		
nterest rates		
Risk sharing		
Credibility of provider		
Other (please specify)		
oo you identify any issues and/or challenges in obta rements in the shipping sector? If so, can you outling Yes		nded 'compliance' investments related to the current and future environn
comments		

53.	How	aware	are	you	of the	needs	of t	the	maritime	sector	for	financing	tools/pro	oducts?

	No knowledge	Limited knowledge	Neither good nor bad	Good knowledge	Excellent knowledge
Energy efficiency measures on-vessel	0	О	0	0	0
Propulsion systems	O	O	C	О	O
Onboard fuelling/charging equipment	O	O	O	C	O
Energy generation onshore	O	O	O	O	O
Energy storage onshore	C	O	O	C	O
New vessel purchase	O	О	O	O	O
New equipment purchase	C	O	O	C	O
Retrofitting of decarbonised technology	O	O	O	O	O
Digital/autonomous systems to improve operational efficiency	О	C	О	С	O
Other (please specify in comments)	О	О	O	О	O

(Co	mment	S			

			Engagement	Please specify main sources
	Direct contact with proj	jects		
	Recommendations from	m 3rd party		
	Online searches			
	Public databases			
	Other (please specify)			
5.	What information source	es do you use to g Engagem		on financing tools to share with your members? Please select all that apply. Please, specify main sources
	Direct contact with finance providers			
	Recommendations from third party			
	Online searches			
	Public databases			
	Other (please specify)			

54. What information sources do you use to identify relevant projects/organisations that might need finance support? Please select all that apply .

56. What are your views on the ship financing market. If you or your members operate in several European markets, please address them individually.
57. In your opinion, is there generally a market gap for ship financing?
C Yes
C No
If this is the case, please explain your answer.
Application procedure and technical advisory support
Page description: In the following questions, we want to identify the process organisations go through when applying for financing products/tools and what challenges may be faced whilst applying. The aim of asking these questions is to gain an understanding from responses to the questions as to how to reduce the administrative burden for future organisations seeking financing products.
58. Do you provide support for applicants of your organisation wishing to utilise financing tools?
C Yes
O No
Not applicable

If yes, please indicate what	type of support do	ou provide.	
	Type of support	Please detail the support provided	
Administrative support			
Application writing			
Technical support			
Financial advice			
Other (please specify)			
☐ Time requirements to ☐ Application documer ☐ Long response time ☐ Other (please specif ☐ Don't know ☐ Not applicable	o check eligibility nts not provided/inc from applicants	nin challenges and/or barriers to the administrative process of applying for financing products/tools?	
60. Based on your experien	ce what would help	reduce the administrative burden for finance providers to issue financing products/tools?	

Requirements and/or needs of the maritime sector concerning decarbonisation and access to finance

Page description:

This section aims to capture the understanding of the financing tools available for the maritime sector. It further seeks to ascertain what types of projects would require financing and which products/ tools have been considered to-date and may be considered in the future. Finally, the drivers to search for financing tools are requested.

61. How aware are you of the needs of the maritime sector for financing products/tools?

	Fully aware	Limited awareness	Neither good nor bad	Good awareness	Excellent awareness
(Green) loan	C	0	C	О	О
(Green) bond	O	O	C	C	C
Sustainability linked loan	C	0	C	О	0
Guarantees	O	O	C	C	C
Blended finance	O	O	C	O	O
Concessions	O	0	O	O	O
Grants	O	0	C	O	O
R&D subsidies	O	O	C	O	O
Capex subsidies	C	0	C	О	0
Contracts for difference (Opex subsidies)	C	0	C	О	О
Other - Please specify in comments	О	O	O	O	O
Comments					

For reference, please find below the following financial instruments and their respective explanation.

62. How aware are you of the needs of the maritime sector for financing products/tools?

	Fully aware	Limited awareness	Neither good nor bad	Good awareness	Excellent awareness
Energy efficiency measures on-vessel	0	0	O	О	0
Propulsion systems	O	0	C	0	0
Onboard fuelling/charging equipment	O	O	C	0	0
Fuelling/charging infrastructure onshore	O	0	C	0	0
Energy generation onshore	O	0	C	0	0
Energy storage onshore	O	0	C	0	0
New vessel purchase	O	0	O	0	0
New equipment purchase	O	0	C	0	0
Retrofitting of decarbonised technology	0	0	O	0	0
Digital/autonomous systems to improve operational efficiency	О	0	О	С	О
Other - Please specify in comments	O	0	O	C	O
Comments					

		Engagement	Please specify main sources
Direct contact with pr	rojects		
Recommendations fr	om third party		
Online searches			
Public databases			
Other (please specify	/)		
1. What information sour	rces do vou use to gather inforn	mation on financing to	pols to share with your members? Please select all that apply.
	rces do you use to gather inforr Data sources	mation on financing to	ools to share with your members? Please select all that apply. Please specify main sources
Direct contact with finance providers		mation on financing to	
Direct contact with	Data sources	mation on financing to	
Direct contact with finance providers Recommendations	Data sources	mation on financing to	
Direct contact with finance providers Recommendations from third party	Data sources	mation on financing to	

63. What information sources do you use to identify relevant projects/organisations that might need finance support? Please select all that apply.

65. What are your views on the ship financing market?
66. In your opinion, is there generally a market gap for ship financing?
C Yes
C No
If this is the case, please explain your answer.
Financing products to cover the needs and/or requirements from the maritime industry
Page description: This section aims to understand your previous experience applying for and receiving financing tools. The sources of these services are explored, and the nature and size of any product/tool received or provided identified.
67. Do you provide public funding/support specifically for the maritime sector?
© Yes
C No
C Don't know
Not applicable

☐ (Green) loan
☐ (Green) bond
☐ Sustainability linked loan
☐ Guarantees
☐ Blended finance
Concessions
☐ Grants
☐ R&D subsidies
☐ Capex subsidies
Contracts for difference (Opex subsidies)
Other - Write In
☐ Don't know
□ Not applicable

a) Please indicate the type of financing tools for which you provide support.

b) If yes, what type of project does this funding support?	
□ R&D (i.e. TRL 1-4)	
Commercial prototype I: Piloting phase (i.e. TRL 5)	
Commercial prototype II: Early adoption (i.e. TRL 6)	
☐ Build & Scale (i.e. TRL 7)	
Proven commercial proposition (i.e. TRL 8)	
☐ Capital markets ready (i.e. TRL 9)	
☐ Don't know	
□ Not applicable	
c) What types of organisations are eligible for funding/support? Please select all that apply. Small size (less than 50 employees) Medium size (less than 250 employees) Small midcaps (up to 499 employees) Large midcaps (up to 3000 employees) Large companies/firms (over 3000 employees) Don't know Not applicable	

	Project area
Energy efficiency measures on-vessel	
Propulsion systems	
Onboard fuelling/charging equipment	
Fuelling/charging infrastructure onshore	
Energy generation onshore	
Energy storage onshore	
New vessel purchase	
New equipment purchase	
Retrofitting of decarbonised technology	
Digital/autonomous systems to improve operational efficiency	
Public service obligations related support measures	
Other (please specify in comments)	
Comments	

Application procedure and technical advisory support

d) What scope of projects are available to receive to funding/support?

Page description:

In the following questions, we want to identify the process organisations go through when applying for financing products/tools and what challenges may be faced whilst applying. The outputs of these answers have the objective to reduce the administrative burden for future organisations seeking financing products.

C Yes		
C No		
C Don't know		
O Not applicable		
a) If yes, please indicat	te what type of support do you provide.	
	Type of support	Please detail the support provided
Administrative support		
Application writing		
Technical support		
Financial advice		
Other (please specify)		

68. Do you provide support for applicants wishing to utilise financing products/tools?

Barriers	

b) Typically, how long does it take to provide financing products/tools? Please explain your answer.

70. Based on your experience, what would help reduce the administrative burden for finance providers and/or intermediaries to issue financing tools/products?
Requirements and/or needs of the maritime sector concerning decarbonisation and access to finance
Page description: This section aims to capture the understanding of the financing tools available for the maritime sector. It further seeks to ascertain what types of projects

This section aims to capture the understanding of the financing tools available for the maritime sector. It further seeks to ascertain what types of projects would require financing and which products/tools have been considered to-date and may be considered in the future. Finally, the drivers to search for financing tools are requested.

71. How aware are you of the needs of the maritime sector for financing products/tools?

	No knowledge	Limited knowledge	Neither good nor bad	Good knowledge	Excellent knowledge
(Green) loan	О	0	O	О	О
(Green) bond	О	0	С	0	О
Sustainability linked loan	O	0	C	0	O
Guarantees	О	0	С	O	O
Blended finance	О	0	C	0	C
Concessions	O	0	C	O	O
Grants	O	0	C	0	O
R&D subsidies	0	0	C	0	О
Capex subsidies	0	0	C	0	О
Contracts for difference (Opex subsidies)	0	0	C	О	О
Other (please specify)	О	O	O	O	O

How aware are you of the needs of the maritime sector	r for financing pr	oducts/tools?			
	No knowledge	Limited knowledge	Neither good nor bad knowledge	Good knowledge	Excellent knowledge
Energy efficiency measures on-vessel	О	О	О	О	О
Fuelling/charging infrastructure onshore	0	O	C	0	0
Propulsion systems	0	0	C	0	0
Onboard fuelling/charging equipment	0	O	C	0	0
Energy generation onshore	0	0	C	0	0
Energy storage onshore	0	0	C	O	0
New vessel purchase	0	0	O	0	0
New equipment purchase	О	0	C	O	0
Retrofitting of decarbonised technology	0	0	C	O	O
Digital/autonomous systems to improve operational efficiency	О	O	С	O	О
Public service obligations related support measures	O	O	C	0	0
Other (please specify)	0	C	О	O	0

For reference, please find below the following financial instruments and their respective explanation.

		Engagement	Please provide details
	Direct contact with organisations looking to implement a project		
	Recommendations from third party		
	Online searches		
	Public databases		
	Other (please specify)		
74	. What are your views	on the European ship financing market?	
75	. In your opinion, is the	ere generally a market gap for ship finan	cing? If this is the case, please explain.
	© No		
If t	his is the case, please	explain your answer.	

73. What information sources do you use to identify relevant projects/organisations that might need financing support? Please select all that apply.

Financing products to cover the needs and/or requirements from the maritime industry

size of any product/fool received or provided identified.
76. What financing products/tools for the shipping industry do you offer?
☐ (Green) loan
☐ (Green) bond
☐ Sustainability linked loan
☐ Guarantees
☐ Blended finance
☐ Concessions
☐ Grants
☐ R&D subsidies
☐ Capex subsidies
☐ Contracts for difference (Opex subsidies)
Other - Please specify
∇ot applicable

This section aims to understand your previous experience when providing financing tools. The sources of these services are explored, and the nature and

Page description:

□ Don't know

77. What type of activities are you looking to finance/support? Please select	all that apply.
□ R&D (i.e. TRL 1-4)	
☐ Commercial prototype I: Piloting phase (i.e. TRL 5)	
Commercial prototype II: Early adoption (i.e. TRL 6)	
☐ Build & Scale (i.e. TRL 7)	
Proven commercial proposition (i.e. TRL 8)	
☐ Capital markets ready (i.e. TRL 9)	
☐ Don't know	
□ Not applicable	
Please, elaborate further on the reasons for your response.	
78. Over what geography do you provide finance/support?	
O International	
© EU-wide	
© Regional	
C Specific Member State only (please specify in comments)	
Comments	

79. W	hat is the total value of financing/support you provide?
0	< EUR 1 million
0	EUR 1-5 million
0	EUR 5-10 million
0	EUR 10-20 million
0	EUR 20-50 million
0	EUR 50-100 million
0	EUR 100-200 million
0	EUR 200-500 million
0	EUR 500 million – 1 billion
0	> EUR 1 billion
80. H	ow much of this amount is available for the maritime sector?
0	< EUR 1 million
0	EUR 1-5 million
0	EUR 5-10 million
0	EUR 10-20 million
0	EUR 20-50 million
0	EUR 50-100 million
0	EUR 100-200 million
0	EUR 200-500 million
0	EUR 500 million – 1 billion
0	> EUR 1 billion

Scope of product (aligned to sustainability, etc.) Size of project C Technology maturity C Risk level Credibility of organisation/project Circlibility of organisation/project Circlibility of verturn C Other (please specify in comments) C Please elaborate on your response detailing the most important factors.	81. What factors do you consider when selecting/prioritising projects to finance/support?				
Size of project Technology maturity Risk level Credibility of organisation/project Likely rate of return					
Technology maturity Risk level Credibility of organisation/project Likely rate of return Other (please specify in comments)					
Risk level C Credibility of organisation/project C Likely rate of return C Other (please specify in comments)					
Credibility of organisation/project Likely rate of return Other (please specify in comments)					
Likely rate of return Other (please specify in comments)					
Other (please specify in comments)					
Please elaborate on your response detailing the most important factors.					
82. Please explain the decision-making process that goes on when it comes to selecting a project and/or organisation opting for financing tools.					

83. What information sources do you use to identify relevant projects/organisation to	finance? Please select as many as applicable.
☐ Direct contact with organisations looking to implement a project	
☐ Recommendations from a third party	
☐ Online searches	
☐ Public databases	
Other (please specify)	
☐ Don't know	
□ Not applicable	
84. What are the main barriers to identifying suitable projects/organisations? Please	explain your answer. Barriers
Limited information available	
Investment required too large/small	
Project too immature	
Regulatory uncertainty – risk in investment	
Doesn't meet scope of product/tool (other than 'investment tool large/small')	
Doesn't align with objectives of financing tool	
Other (please specify in coments)	
Comments	

Application procedure and technical advisory support

faced whilst applying. The outputs of these answers have the objective to reduce the administrative burden for future organisations seeking financing products.
85. Could you please explain the administrative process that goes on when it comes to selecting a project and/or organisation opting for financing tools?
86. When providing financing products/tools, how long does the application process take (e.g. including negotiations, preparing the required documentation, etc.)? Please explain your answer.
C Less than 1 month
C 1-3 months
C 4-6 months
C 7-9 months
C 10-12 months
C >1 year
Comments

In the following questions, we want to identify the process organisations go through when applying financing products/tools and what challenges may be

Page description:

	ter the submission of the application, how long does it typically take to provide the financing product/tool the organisation has applied for? Please explain answer.
O	Less than 1 month
0	1-3 months
0	4-6 months
О	7-9 months
O	10-12 months
O	>1 year
Co	omments
	ased on your experience, what would help reduce the administrative burden for finance providers to issue financing products/tools, including aspects of the ation process?
89. Do	you provide support for applicants wishing to utilise financing products/tools? If yes, what type of support? Please explain.
O	Yes
O	No
0	Don't know
О	Not applicable

If yes, please indicate v	what type of support do you prov	vide.
	Type of support	Please detail the support provided
Administrative support		
Application writing		
Technical support		
Financial advice		
Other (please specify)		
If other, please specify.		

our answer.	
	Barriers
Time requirements to check eligibility	
Application documents not provided/incomplete	
Long response time from applicants	
Other (please specify in comments)	
Comments	

90. Based on your experience, what are the main challenges and/or barriers to the administrative process of applying for financing products/tools? Please explain

Additional questions for finance seekers

	No information	High level information only	Comprehensive detail	Unsure
(Green) loan	О	С	О	0
(Green) bond	O	0	0	0
Sustainability linked loan	O	0	C	0
Guarantees	O	0	0	0
Blended finance	O	0	O	0
Concessions	O	0	0	0
Grants	0	О	O	0
R&D subsidies	C	0	C	0
Capex subsidies	O	0	O	0
Contracts for difference (Opex subsidies)	C	0	C	0
Other (please specify)	O	О	O	O
other, please specify				
or reference, please find below the following financial in	struments and their respectiv	e explanation.		

Additional questions for finance providers & intermediaries

92. What information is made publicly available about your range of financing products/tools?

	No information	High level information only	Comprehensive detail	Unsur
(Green) loan	O	O	C	О
(Green) bond	O	O	C	O
Sustainability linked loan	O	O	C	0
Guarantees	O	O	C	0
Blended finance	O	O	C	0
Concessions	O	O	C	0
Grants	O	O	C	0
R&D subsidies	O	O	C	0
Capex subsidies	O	O	C	0
Contracts for difference (Opex subsidies)	O	O	С	О
Other (please specify)	О	О	С	0
her, please specify.				

For reference, please find below the following financial instruments and their respective explanation.

Final comments

Please let us know if you would be interested to participate in a follow-up interview for this study. *
C Yes
O No
Please use the space below to provide contact information for the follow-up interview in case this information differs from the contact information provided in the first section of this survey.
Please use the space below to add any additional sources of information, reports, research, etc. that may be of interest to the team performing the study.
Please use the space below to add any further comments you may have.
Thank You! Thank you for taking our survey. Your response is very important to us. If you have any questions, please get in touch via: MaritimeGreenFinancing@ricardo.com