

# Questionnaire: DG MARE Study to support Impact Assessment on Marine Knowledge 2020

## Purpose

The purpose of this questionnaire is to collect information from operators regarding the use of marine data for applying for licenses. When preparing applications for marine licences operators from the sectors of aquaculture, renewable energy, minerals extraction, oil exploration and exploitation, port, harbour and marine development and cable and pipeline laying need marine data. This meteorological, bathymetric, geological and marine data could either be provided for free by public authorities or needs to be purchased or collected by the operators. The purpose of this questionnaire is to collect information on the use of marine data for license applications in the sectors mentioned above. Additionally the questionnaire aims at collecting information on innovation and economic benefits of reduced uncertainty of the sea potentially arising from improved marine knowledge.

Your participation and contribution is very important and will be highly appreciated.

## Practical information

Please send the filled-out questionnaire to [jtey@cowi.dk](mailto:jtey@cowi.dk). If you fill out the questionnaire by hand, please scan it and use the same email address.

We would appreciate if you could return the questionnaire to us by 18 October 2012.

If you have any questions, don't hesitate to contact Ms Malene Sand Jespersen ([msj@cowi.dk](mailto:msj@cowi.dk) and +45 5640 1239) or Ms Julia Teysen ([jtey@cowi.dk](mailto:jtey@cowi.dk) and +45 5640 4266) by email or phone.

**Question 1** Which industry do you operate in?

Request: Please indicate in the following table which industry you represent.

Aquaculture	
Renewable energy	
Minerals extraction	
Oil and gas exploration	
Oil and gas exploitation	
Port, harbour and marinas	
Cable and pipeline laying	

**Question 2** Do you have to pay for marine data for license applications?

Aim: To collect information on data costs for marine licensing

Request: Please fill in the following table and indicate for which marine data you pay when preparing an application for a license.

	Do you have to pay for data Yes/No	If yes, how much does the data cost per licence application
<b>Meteorological data</b> such as Wind direction and force Atmospheric pressure Air temperature		
<b>Oceanographic/Hydrographic data</b> such as: Water level, Salinity Water temperature Currents (direction and velocity) Wave height Wave amplitude and Wave direction		
<b>Bathymetry data</b>		
<b>Geological data</b>		

**Question 3**

How high is the cost of obtaining data compared to overall licence costs?

Aim: To collect information on the level of costs for data for marine licensing

Request: Please indicate in the following table how high the costs of obtaining meteorological, hydrographical, bathymetric and geological data are compared to overall license costs.

	<1%	1% - 5%	5%- 10%	10%- 15%	>15%	Don't know
Meteorological						
Hydrographical						
Bathymetric						
Geological						

**Question 4**

Would you request more data if the cost of obtaining the data was lower than today?

Aim: To collect information on data usage at lower cost

Request: Please indicate in the following table whether you would request more meteorological, hydrographical, bathymetric and geological data if the cost of obtaining this data was lower than today.

	Would you request more data if its cost was lower? Yes/No	Which data would you request?
Meteorological		
Hydrographical		
Bathymetrical		
Geological		

**Question 5**

Would you request more data if marine data was easier to access?

Aim: To collect information on access limiting data usage

Request: Please indicate in the following table for your industry whether you would request more meteorological, hydrographical, bathymetric and geological data if the data was easier to access than it is today.

	<b>Would you request more data if it was easier to access? Yes/No</b>	<b>Which data would you request?</b>
Meteorological		
Hydrographical		
Bathymetrical		
Geological		

**Question 6**

If marine data were more accessible, interoperable, affordable, and/or more abundant, what opportunities would there be in encouraging innovation in your sector?

Request: Please indicate in the following table possible areas of innovation from improved access to marine data.

For each opportunity please provide:

- › A description of the opportunity
- › The types of marine data that would specifically promote the innovation opportunity
- › The estimated impacts (in terms of economic, environmental, social benefits)
- › Any assumptions used to determine impacts

Potential areas for innovation	Types of marine data	Estimated impacts	Assumptions

**Question 7**

If there were better marine knowledge regarding the behaviour of the sea and the state of the seabed and marine life (thereby reducing uncertainty), what could be some examples of potential economic benefits to your industry? For each example of economic benefits, please provide:

- › A description of the economic benefit
- › The impact (in economic terms) of the **existing** degree of uncertainty
- › The types of data/information that would assist in **reducing** this degree of uncertainty
- › Any assumptions made in determining the economic benefits

<b>Description of economic benefit</b>	<b>Impact of existing uncertainty</b>	<b>Types of data required</b>	<b>Assumptions</b>