



Please select the answer choice(s) below that best describes your business: (select all that apply)

We provide infrastructure for ocean measurement, observation, or forecasting purposes (e.g., platforms, instruments, sensors, data communications, IT infrastructure, instruments for navigation and positioning, etc.) .

We use ocean measurements, observations or forecasts to create or enhance a value added data product offered for commercial sale (e.g. to provide a survey product, power a weather or surf forecast service, evaluate ocean hazards, support fish locating, etc.)

We don't provide ocean measurement, observation, or forecasting infrastructure or use ocean measurements, observations or forecasts.

How long has your business provided ocean measurement, observation or forecast infrastructure or related value added services?

Less than 1 year

1-3 years

through 5 years

More than 5 years

Unknown

Currently, how many employees in your business are located in the U.S.?

1-4

5-9

10-24

25-49

50-99

100-249

250-499

500-999

1000+

Currently, how many employees in your business are at your current location?

1-4

5-9

10-24

25-49

50-99

100-249

250-499

500-999

1000+

In the next 12 months do you anticipate your company:

Growing

Staying the same

Decreasing

Not sure

Is your company a subsidiary, and if YES, what is the name of the holding company and in which country is it registered?

Not a subsidiary

Yes

If yes, please tell us who you are a subsidiary of and in which country it is registered.

How many discrete locations does your company or your parent company have? (multiple buildings on a single campus counts as one location)

1

2

3

4

5

6-9

10 or more

How many of these locations are outside the U.S.?

- All
- None
- 1
- 2
- 3
- 4
- 5
- 6-9
- 10 or more

What were your company's gross revenues for the past year?

Subsidiary revenues (if subsidiary):

Overall company revenues:

What share of your revenue is due to Maritime activities or business?

- 0% or none
- 1% to 24%
- 25% to 49%
- 50% to 74%
- 75% to 100%
- Don't know

What share of your maritime revenues is due to business or activities associated with providing ocean observation, measurement or forecasting infrastructure or provision of value added data products based in whole or in part on ocean observation, measurement or forecast data?

- 0% or None
- 1% to 24%
- 25% to 49%
- 50% to 74%
- 75% to 100%
- Don't know

What percentage of your ocean observation, measurement or forecasting related revenues from Question 10 is from sales outside the U.S.?

- 0% or None
- 1% to 24%
- 25% to 49%
- 50% to 74%
- 75% to 100%
- Don't know

In the next 12 months, do you anticipate your ocean observation, measurement and forecasting related business revenue:

- Growing
- Staying the same
- Decreasing
- Not sure

From which of these market areas does your company, or your parent company (if it is U.S. registered) receive significant ocean observation, ocean measurement or ocean forecasting business related revenue (greater than 5%) (Select all that apply):

- Australia/New Zealand
- Other Asia-Pacific
- Japan
- China
- Taiwan
- South Korea
- Africa
- Middle East
- Eastern Europe/Russia
- Continental Europe
- UK/Ireland
- USA
- Canada
- Mexico/Central America
- Non-U.S. Caribbean
- South America
- Other

If other, please specify:

What are your market sectors? (select all that apply)

Academic research
Defense
Maritime security
Ports / Harbors
Coastal protection
Environmental monitoring
Renewable energy
Oil / Gas
Fishing industry
Hydrographic surveying
Construction surveying
Water and water quality
Biotechnology
Engineering
Weather and ocean forecasting
Cargo shipping
Cruise/Passenger ships
Other

If other, please specify:

(Providers only) What kind of ocean measurement, observation, or forecasting infrastructure (e.g., platforms, instruments, sensors, data communications, Information Technology infrastructure etc.) do you sell? (select all that apply)

Hydrographic survey sensors/instruments/systems
Shallow geophysical survey sensors/instruments/systems
Geotechnical measurement/sampling, sensors/instruments/systems
Physical oceanographic sensors/instruments/systems
Chemical oceanographic sensors/instruments/systems
Biological oceanographic sensors/instruments/systems
Navigation and positioning sensors/instruments/systems
Platforms such as towed systems, remote or autonomous underwater vehicles
Data communications and Information Technology infrastructure
Other

If other, please specify:

(Intermediaries only) If you utilize "IN SITU" ocean observations or measurements in your data products (ie data generated from observations or measurements conducted within or upon the ocean) what kind of data do you use? (select all that apply)

- Bathymetric data
- Geophysical data
- Geotechnical data
- Physical oceanographic data
- Chemical oceanographic data
- Biological oceanographic data
- We do not utilize IN SITU data
- Other

If other, please specify:

(Intermediaries only) If you utilize "REMOTELY SENSED" ocean observations in your product (e.g., satellites, airplane observations, high frequency radar), what kind of data do you use? (select all that apply)

- Aircraft observations
- Satellite observations
- Shore observations
- We do not utilize REMOTELY SENSED data
- Other

If other, please specify:

The following questions relate specifically to your interaction with the US Integrated Ocean Observing (IOOS).

Are you aware of the U.S. Integrated Ocean Observing System (IOOS) and, if so, do you contribute to IOOS infrastructure or utilize IOOS coordinated data? (Select all that apply)

- We are unaware of IOOS. (you may end the survey here)
- We are aware of IOOS.
- We contribute to IOOS infrastructure
- We make use of IOOS coordinated data.

Which of the following do you consider issues or barriers to working with IOOS that impact your business? (select all that apply)

- Local regulations or restrictions
- Limited access to data streams
- Structure of IOOS data streams limits usability
- Lack of documentation on IOOS data streams
- Difficulties or limitations with adapting new technology into the existing ocean observing system
- Limited knowledge about future investment and development plans for the IOOS system
- Data does not adequately cover the geography needed
- Hard to find employees who can work with the IOOS data
- Hard to find employees who can work with the IOOS infrastructure
- Other
- None of the above
- Don't know

If other, please specify:

In the future, we plan to: (select all that apply)

- Develop new products that utilize IOOS data
- Expand the capabilities of our current product that utilizes IOOS data
- Provide additional infrastructure for IOOS
- Provide additional services for IOOS
- Eliminate some products or services we provide
- None of the above

What areas do you think could be improved with regard to working with IOOS? (select all that apply)

- Better information and data stream standardization
- More openness to opportunities for new innovations
- Greater focus on the interests of small or new enterprises engaged in ocean observation, measurement, and forecasting or the use of ocean data
- Greater focus on the interests of large or established enterprises
- Other
- None of the above

If other, please describe:

Do you feel your current or future workforce could benefit from specific training related to working with IOOS data or providing IOOS infrastructure?

Yes

No

Don't know

If yes, please explain:

Is there anything that would make it easier to provide services, products, or infrastructure to NOAA and the IOOS system?

Yes

No

Don't know

If yes, please explain:

Is there anything that would make it easier to utilize the IOOS data and incorporate it into a product?

Yes

No

Don't know

If yes, please explain:

OPTIONAL RECOMMENDATION QUESTION:

Can you recommend other recipients for this survey? These could be subsidiaries of your company, or other qualified companies?

If yes, please list below (name of company and contact if available):

If you choose to complete the form, please save your answers and send the form with your contact info and company name to: oceanstudy@noaa.gov