

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

About the Decade Coordination Office for Ocean Data Sharing

Hosted by and working in close collaboration with IODE, the Ocean Data Sharing DCO has been established to support Decade Actions with their data and information management needs, contributing to the implementation of the Decade's Data and Information Strategy and ensuring a successful outcome for Ocean Decade Challenge 8 "Creating a Digital Representation of the Ocean".

Help us to help you!

In that context, this survey aims to understand the challenges faced by Decade Actions related to the sharing and management of ocean data and information. The results will help to identify where and how the DCO for Ocean Data Sharing can best support Actions. The survey should take between 10 to 20 minutes to complete, depending on your responses.

PDF and Word copies of the form can be found [here](#).

If you have any questions, please contact oceandatasharing@unesco.org.

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Section 1. Background of Action

* 1. What is the Ocean Decade Unique ID number assigned to your Action?

This number can be found on your Endorsement Letter or [here](#).

* 2. What is the Name of your Decade Action?

* 3. If your Decade Action is a **Programme** or **Contribution** (including DIPs), which DCC/DCO is your Action primarily attached to?

If your Action is a Project, please select "not applicable".

- | | |
|--|---|
| <input type="checkbox"/> Ocean-Climate Nexus and Coordination Amongst Decade Implementing Partners in P.R. China (DCC-OCC) | <input type="checkbox"/> North-East Pacific (DCC-NEPO) |
| <input type="checkbox"/> Ocean Visions - UN Decade Collaborative Center for Ocean-Climate Solutions (OV - UN DCC) | <input type="checkbox"/> Western Pacific (DCO WESTPAC) |
| <input type="checkbox"/> Coastal Resilience (DCC-CR) | <input type="checkbox"/> Indian Ocean Region (DCC-IOR) |
| <input type="checkbox"/> Ocean Observing (DCO-OO) | <input type="checkbox"/> Southern Ocean (DCC-SOR) |
| <input type="checkbox"/> Ocean Data Sharing (DCO-ODS) | <input type="checkbox"/> Pacific Islands Region of the Pacific Ocean (DCC-PIR-PO) |
| <input type="checkbox"/> Ocean Prediction (DCC-OP) | <input type="checkbox"/> Do not know |
| <input type="checkbox"/> Connecting People and Ocean (DCO-CPO) | <input type="checkbox"/> Not applicable |

* 4. Were you aware of the Decade's Data and Information Strategy (<https://oceandecade.org/publications/ocean-decade-data-information-strategy/>)?

- No, I wasn't aware, but I am now
- Yes, I was aware of it

* 5. Are you aware of the obligations on Decade Actions to make their data Findable, Accessible, Interoperable and Reusable?

- Yes
- No

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

Section 2: Your experience of data generation and sharing

* 6. Is your Action collecting/creating new data?

- Yes
- No

Section 2. Your experience of data generation and sharing

* 7. What way is your Action collecting new data?

Please select all that are applicable.

- In-situ ocean observations
- Remote sensing ocean observations
- Model-generated data
- Theory-testing approach (including living-lab method)
- Laboratory tests and measurements
- Social science approach (quantitative and qualitative)
- Other (please specify)

* 8. Please identify your Action's main thematic data collection focus.

Please select all that are applicable.

- Bathymetry
- Physics
- Chemistry
- Geological
- Biogeochemistry
- Biological and Ecosystems
- Human Impacts
- Social / social-economic activities (including activities involving indigenous knowledge, or relating to ocean literacy)
- Other (please specify)

* 9. Do you have a data management plan and/or a data policy?

- No
- Yes: please provide link(s)

* 10. Did you register the data sources in the ODIS Cat?

- No
- Yes: please provide link(s)

* 11. Do you know the users of your data (or data products) and for what purpose the data is used (application)?

No

Yes: please indicate who are your main users and what they are using the resources for

* 12. Do you share the data collected with your own or any other FAIR data-sharing service/platform/repository?

No

Yes: specify platform(s)/repository

13. If you answered **no** to the previous question, please tick all that apply.

Data is subject to intellectual property rights or confidentiality policy

Do not know how to share your data

Do not have time/resources to share your data

Do not know which repository is suitable to share your data

Do not know how to share sensitive data

Lack data-sharing guidance

Uncertain if there is data-reporting standards

Lack of IT support

Other (please specify)

* 14. Do you encounter any specific challenges in the process of managing and sharing your data? Please specify:

* 15. Do you know what standard(s) to follow when sharing new data?

- Yes. We have data experts in the team who are familiar with data standards to ensure FAIR sharing.
- Yes. We are not familiar with reporting standards, but we follow a reporting template to meet the standard of the repository where we submit the data.
- No. The data are published in a scientific journal which does not standardise reporting format.
- No, we have not shared our data yet.
- Uncertain if there is a standard for non-traditional data.
- Uncertain if our reporting follows any standard.
- Uncertain what standard to follow.
- Other (please specify)

* 16. What would be most helpful to you to support your data-sharing ambitions/requirements?

Please select all that are applicable.

- Basic Data Management Training
- Advanced Data Management Training
- Guidance and examples of best practices in data collection and submission
- Templates/examples of data management plans and policies
- More resources (staff/financial/capacity)
- More information on relevant repositories
- A virtual data-management help desk where you could post questions and receive answers from experts
- Other (please specify)

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

Section 3. How you use data

* 17. Which of the following statements best applies to your Action?

- We are collecting new data
- We are using existing data/data products
- We are collecting new data and using existing data/data products
- None of the above

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

Section 3. How you use data

* 18. If using existing data, do you gather the data via publicly accessible data platform(s)?

- Yes
- No
- Don't know
- Other (please specify)

19. If you answered **yes** to the previous question, please specify which data services/platform(s).

* 20. Is there any difficulty **finding and/or using** the data and/or data products you need for your work?

- Yes
- No

21. If you answered **yes** to the previous question, please select the option(s) that best describe the difficulties you have in finding and using data and data products.

- Data resources are scattered in different repositories
- Many datasets have restricted accessibility
- Data are not in desirable formats
- Data are not accompanied by sufficient information about the data collection methodology and quality
- Data are not provided at the right resolution
- Data have no clear information (metadata) about provenance, traceability
- Datasets are provided without a clear Terms of Use or license
- Lack of skills and resources to utilise computational resources
- Other (please specify)

* 22. What would help you in finding the data/data products you need?

- An integrated web portal providing a global Data Discovery and Access Service that harvest from existing local, regional and/or thematic platforms and/or repositories
- A list of relevant repositories/platforms
- An overview of existing marine Data Lakes
- Training to use various data tools such as map viewers or other repositories
- Additional resources (staff/financial/capacity)
- Not applicable
- Other (please specify)

Survey on Ocean Data Sharing - for endorsed Ocean Decade Actions

Section 4. Support from the Ocean Data Sharing DCO

* 23. Were you already aware of the DCO for Ocean Data Sharing

- Yes
- No

* 24. Have you previously visited the website for the Ocean Data Sharing DCO?

<https://oceandatasharing-dco.org/>

- Yes
- No

* 25. The DCO Ocean Data Sharing recently offered a [data-sharing toolkit](#) to provide some guidance in ocean data sharing. On a scale from 1 to 5, how would you evaluate the usefulness of the data toolkit.

1. Not useful 2. Not too useful 3. Of some use 4. Useful 5. Very useful

* 26. What information is missing?

If you believe that no information is missing, please enter 'N/A'.

* 27. The DCO Ocean Data Sharing has recently launched a distributed online Data Helpdesk (<https://oceandatasharing-dco.org/consult-our-data-helpdesk/>). What type of help might you seek from such a service?

Please check all that apply.

- Information on suitable/recommended repositories/platforms where I can share data in a FAIR compliant way
- Information on which standard(s) I should use to share my data
- Information on which data-sharing formats I should use when sharing my data
- Information on which data licences to use when sharing my data
- Guidelines on data & information management if creating a new repository
- Available data management training opportunities
- Connections to community experts or other Actions that are facing similar challenges
- Other (please specify)

* 28. What other information/support would you like to see on the [Ocean Data Sharing DCO website](#)?

* 29. In what ways can your Action contribute to the DCO-Ocean Data Sharing?

Please check all that apply.

- Share data and information
- Provide examples of best practices and use case demonstrations
- Provide training/workshops webinars
- Expert volunteer support to the [distributed online data help-desk](#)
- Contribute to improve the Data Resources Toolkit
- Connect to regional and global data services
- Guidance on how to set up a data repository (note that we recommend working with existing data repositories and services as much as possible to avoid duplication of efforts, unless for major programmes or activities dealing with specific data where such systems do not exist yet or in regions where no data service is available yet)
- Communication and visibility
- Guidance on how to link a data repository so that it is interoperable with other data services/brokers (e.g. ODIS/OIH)
- Funding
- Seconded staff

* 30. If you are attending the Ocean Decade Conference in Barcelona in April 2024, would you be interested to visit the Ocean Decade Data Booth and Helpdesk? If you answer yes to this question, please indicate what kind of question you may have via our online Helpdesk: <https://oceandatasharing-dco.org/ask-a-question/>

- Yes
- No, I have other commitments
- Not attending

If you have relevant data management expertise and would be willing to support the Helpdesk, please kindly register to become a volunteer expert: <https://oceandatasharing-dco.org/become-a-volunteer/>

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

Section 5. Ocean Decade Vision 2030 Process

* 31. Are you aware of the Ocean Decade Vision 2030 process?

- Yes
- No

Survey on Ocean Data Sharing – for endorsed Ocean Decade Actions

Section 5: Ocean Decade Vision 2030 Process

* 32. Did you respond to the survey on the Challenge 8 ‘Create a Digital Representation of the Ocean’ Draft Zero White Paper.

- Yes
- No (please explain why and share any feedback and/or comments you may have)

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Section 6. Available Resources to support the data and information management/sharing activities

* 33. How would you describe the state of the resources that you have available to you to complete your Action’s data and information management and sharing needs?

- We have no resources for data and information management/sharing activities at the present time
- We are significantly under-resourced for data and information management/sharing activities (< 30% of what is needed)
- We are very under-resourced for data and information management/sharing activities (< 60% of what is needed)
- We have sufficient resources for data and information management/sharing activities at the moment.

* 34. What kind of resources are most required by your Action in order to comply with data and information management and sharing requirements?

- Knowledge
- Staff
- Funding
- Capacity

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Final question

* 35. Would you be willing to engage with the DCO-ODS to elaborate on some of your responses in more detail, in particular related to any challenges you face with data and information management and sharing requirements?

- No
- Yes (please provide your email)