



2nd International
Indian Ocean
Expedition
2015-2025



REPORT OF WORKING GROUP-2 ON DATA AND INFORMATION MANAGEMENT

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Co-Chairs, WG-2 D&IM

IIOE -2 WORKING GROUP 2 MEMBERSHIP

- E. Pattabhi Rama Rao Co-Chair (India; INCOIS)
(Since October 2020)
- Harrison Ong'anda, Co-chair (Kenya; IOC IODE)
- Roger Proctor (Australia)
- Nelly Florida Riama (Indonesia)
- Ntahondi Mcheche Nyandwi (Tanzania)

IIOE-2 WG-2 D&IM TERMS OF REFERENCE

- Formulate a list of core measurements (and associated data types and units) for IIOE-2 scientific activities, in consultation with the Chairs of WG1 and 4, and the IIOE-2 Co-Chairs.
- Develop a metadata catalog for projects, cruises, moorings, datasets, publications, etc.
- Develop quality control/quality assurance procedures for all data types to be gathered during the IIOE-2 scientific activities, and to facilitate their adoption by the Steering Committee of IIOE-2.
- Develop an IIOE-2 common data exchange policy for data collected under IIOE-2.
- Agree on modalities for, and enable the dissemination of data.
- Agree on modalities and establish a mechanism for the long-term preservation of IIOE-2 data.
- ~~• Develop a data policy for IIOE-2.~~
- Develop ancillary information systems associated with IIOE-2 research.
- Develop and update data and information management capacity.
- Facilitate the establishment of a Regional Coordination Unit for IIOE-2 Data and Information Management at ESSO-INCOIS, Hyderabad.
- Encourage utilization of ORCiD (person ID) and DOI (Digital Object ID) by scientists involved in IIOE-2 projects.

IIOE-2 WG2 ACTIVITIES ... *PROGRESS*

- Develop a data policy for IIOE-2
 - *Draft Data Policy reviewed and finalized in consultation with Raleigh, IODE Co-Chair and Head, IODE, Nick and Satya and presented to SC-4 in Apr 2021.*
- Develop a metadata catalog for projects, cruises, moorings, datasets, publications, etc.
 - *Metadata portal developed and posted metadata of 6 cruises*
 - *Metadata format has been sent to all the PIs of the Cruises endorsed by IIOE-2*

IIOE-2 METADATA & DATA PORTAL

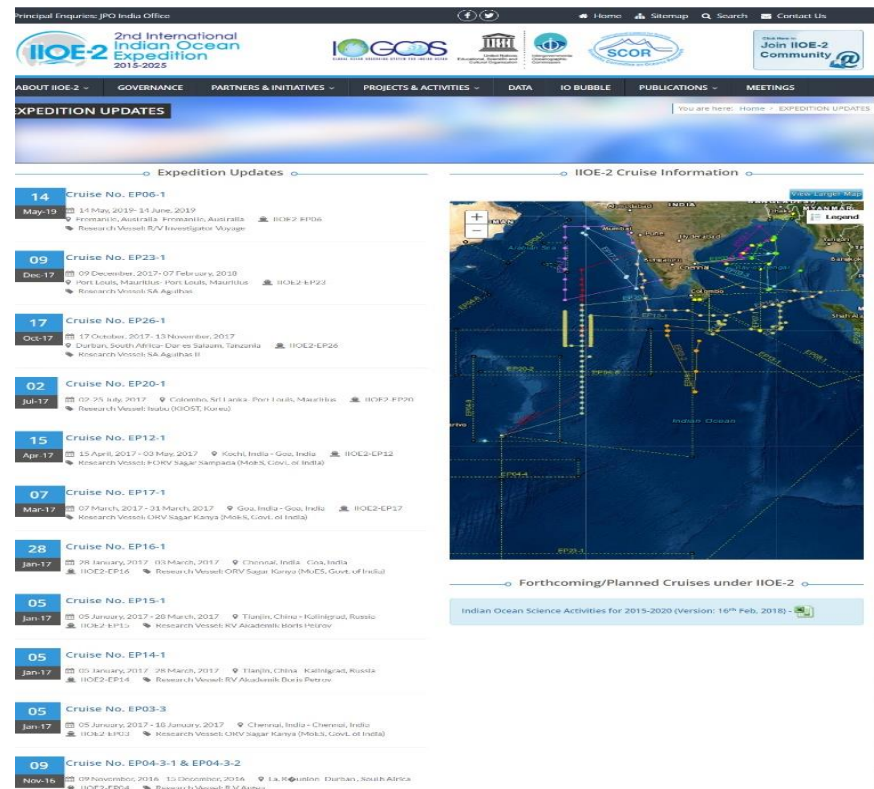
Catalog of projects, cruises, moorings, datasets ...
Hosted at INCOIS (Hyderabad, India)



- IIOE-2 Metadata Portal enables search and discovery of metadata of completed & forthcoming/planned cruises under IIOE-2.
- Salient Features:
 - ISO 19115 standards compliant representation of metadata information
 - GCMD Science Keywords for controlled keyword search
 - Spatial, Temporal, Keyword & Free Text Search
 - Simple interface for metadata submission, update and search
 - Java EE technologies based cross platform solution

IIOE-2 Expedition Updates (16) which provides the details of the research vessel, duration, PI's, location, etc.

<https://iioe-2.incois.gov.in/IIOE-2/Expedition.jsp>



IIOE-2 Metadata Portal

IIOE-2 Metadata Portal enables search and discovery of metadata of completed & forthcoming/planned cruises under IIOE-2.

<https://iioe-2.incois.gov.in/IIOE-2/data.jsp>

The screenshot displays the IIOE-2 Metadata Portal interface. At the top, there is a header with the IIOE-2 logo and navigation links. Below the header, a search bar is visible. The main content area is divided into two columns. The left column contains 'Additional Options' for refining the search, including 'Keyword(s)', 'Spatial Extent', 'Temporal Extent', and 'Filter By'. The right column shows 'Search Results' for 'IIOE-2 Cruise No. EP03-1'. The results include a brief description of the cruise, its purpose, and a map of the Bay of Bengal showing the cruise track. The map is labeled 'Bay of Bengal' and shows the coastline of India and Bangladesh. The cruise track is marked with a red line. The map is credited to Google Maps.

Principal Enquiries: JPO Perth Office

Keyword(s): Earth Science-Oceans-Salinity-Density-Conductivity, Earth Science-Oceans-Ocean Temperature-Water Temperature,

Place/Location(s): Bay of Bengal,

Project: IIOE-2,

Topic Category(s): Oceans,

Date(s): 2016-07-25 (Publication),

Resource Contact(s):

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State : Telangana
Postal Code : 500090
Country : IND

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City : Hyderabad
State : Telangana
Postal Code : 500090
Country : IND

Extent:

Start Date : 2016-02-13
End Date : 2016-03-14

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Keywords Selection & Customized
Search Options

IIOE-2 METADATA PORTAL - Dashboard



Login

User ID

Password

Login

Login Based Access to enter the Metadata Information

Metadata format has been sent to all the PIs of the Cruises endorsed by IIOE-2 by the IIOE-2 RCU.

Metadata

Keywords

Classification

Dates

Distribution

Extent

Resource Contact(s)

Metadata

*Title:

Alternate title:

*Brief Description (Abstract):

*Status:

Purpose:

Credit(s):

Edition:

Edition Date:

Presentation Format:

Supplemental Information:

Metadata Contact

*Organization Name:

*Name:

*Role:

Position Name:

*Phone:

*Email:

Address Line:

City:

State:

Postal Code:

Country Code(3) :

Next

Submit Reset

Adding
New
Metadata
Information

IIOE-2 WG-2 D&IM – PLAN 2022

- 🕒 Formulate a list of core measurements (and associated data types and units) for IIOE-2 scientific activities, in consultation with the Chairs of WG1 and 3, and the IIOE-2 Co-Chairs.

Organize a meeting with Chairs of WG1 and WG3

- 🕒 Develop quality control/quality assurance procedures for all data types to be gathered during the IIOE-2 scientific activities, and to facilitate their adoption by the Steering Committee of IIOE-2

Organize a meeting of WG2

- 🕒 Develop and update data and information management capacity.

Propose D&IM Training Programme specific to IIOE-2 by ITCOcean under the OTGA programme in 2022

Thank You