





United Nations Intergovernmen Educational, Scientific and Oceanographic Cultural Organization Commission



# REPORT OF WORKING GROUP-2 ON DATA AND INFORMATION MANAGEMENT

E. Pattabhi Rama Rao Harrison Onganda

Co-Chairs, WG-2 D&IM

IIOE-2 SC5 Meeting 21 Mar 2022 1

## **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

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## **IIOE-2 Metadata Portal**

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

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#### **IIOE-2 METADATA PORTAL - Dashboard**

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### **IIOE-2 WG-2 D&IM – PLAN 2022**

Pormulate 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

⑦ 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 ITCOocean under the OTGA programme in 2022

# **Thank You**