



## Discovery and Use of Operational Ocean Data Products and Services 25 October – 5 November 2021

### Course information

#### Duration

5 working days (15 hours online sessions plus post course assignments)

#### Venue

Online. Supported by ITCOOcean, INCOIS, MoES, Hyderabad, India

#### Trainers

TVS Udaya Bhakar  
N Srinivasa Rao  
Suprit Kumar  
Linta Rose  
SJ Prasad  
H Shiva Kumar  
Ravi Kumar Jha  
Nimith Kumar

#### Period for Applications

15 July – 30 Sep 2021

#### To apply

Please fill the **online application form**:  
<https://bit.ly/2UzLG7k>

#### More information

<https://www.oceanexpert.net/event/3198>

No tuition fee applies.

#### Contact

Further information contact the OTGA Training Coordinator:  
[ioc.training@unesco.org](mailto:ioc.training@unesco.org)

#### Useful sites:

- [www.oceanteacher.org](http://www.oceanteacher.org)
- [www.oceanexpert.net](http://www.oceanexpert.net)
- [www.iode.org](http://www.iode.org)
- [https://incois.gov.in/ITCOcean/Forthcoming\\_Courses.jsp](https://incois.gov.in/ITCOcean/Forthcoming_Courses.jsp)

This course will demonstrate the data resources available from operational services of INCOIS. The focus will be on operational activities, various data and data products, outputs from INCOIS services, how to download them and use software to visualize. It will be a mix of practical and theoretical.

The course is aimed to provide an introduction to operational oceanography, discovery and use of operational ocean data products and services, hands on for visualizing the in situ, remote sensing and model derived data products.

#### Learning Outcomes

After the course participants will have the knowledge, skills and experience to be able to gain:

- Knowledge and understanding of operational oceanography.
- Tasks involved in Operational Analysis and Forecast methods.
- Oceanographic Data sources, Quality Control/Quality Assurance, monitoring systems and methods.
- Tools for visualizing the operational ocean data products
- Recognize the importance of good research data.
- Access to operational data and products for Indian Ocean.

- Gain awareness of main Indian Ocean operational research data and products.

#### Target Audience

Target audiences include, but not limited to the following:

- Ocean and coastal data managers.
- Researchers intending to use operational data products for scientific analysis.
- Research scholars at various universities.

Note: UNESCO is committed to promote equal access principles. Applications from minority or underrepresented groups are strongly encouraged.

#### Course Pre-requisites

Applicants are expected to:

- Fundamental knowledge of oceanography and meteorology.
- Knowledge of data formats of the oceanographic data sets.
- Preferably working in institutions responsible for the management of oceanographic and/or atmospheric data.
- Good working knowledge of English.

**A Certificate of Participation will be issued to all participants (minimum 90% attendance).**