



The IOC/IODE Ocean Teacher

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What is OceanTeacher

- OceanTeacher is the IOC/IODE capacity building product
- The objective is to provide training tools for Oceanographic Data and Information Exchange.
- These tools are used during IODE Training Courses but can also be used for self training and continuous professional development

OceanTeacher Structure

- The OceanTeacher product comprises two components:
 - The IODE Resource Kit
 - The Resource Kit Training Manual

The IODE Resource Kit

- The **Resource Kit** contains a range of marine data-management and information-management materials, including software, quality control and analysis strategies, training manuals, and relevant IOC documents.
- The Kit provides a broad spectrum of background information on global data and information archiving activities, specifications for data storage in standard formats, and the software tools to perform many quality control, sub-setting, and analyses techniques.

The IODE Resource Kit

- 3 major sections:
 - **The IODE Data Centre System** (what is a data centre, global programmes, science plans, data policy, reference library);
 - **Data Management Systems** (computer systems, database technology, metadata, data collection, quality control, the internet, GIS);
 - **Data Analysis & Products** (formats, data, software, classroom, data products).

Training Manual

- The **Training Manual** is a collection of outlines, notes, examples, and miscellaneous documents used in conjunction with the Resource Kit to organise training programs in marine data and information training.
- These training programs are designed for the instruction of ocean data and information managers of newly established NODCs, DNAs and Marine Information Centres



Training Manual

COURSE I

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Training Manual

- A typical ocean data management workshop would cover:
 - Basic computer skills
 - The importance of marine data in general, and also within the national and regional environment
 - How to set up an oceanographic data center within the IODE System
 - The infrastructure requirements, including hardware and software tools
 - How to manipulate and analyze the principal types and formats of marine data
 - How to produce and disseminate ocean data products


Training Manual

- Marine Information component includes:
 - Information concepts, information technology and software, information seeking, and the organisation of the knowledge base using a defined Integrated Management System.
 - Creation of research support services, information management and retrieval, information resources for marine science particularly in the electronic environment
 - Document and e-publishing, internal knowledge management, archives, professional networking, continuing professional development, information skills training techniques



International Oceanographic
Data and Information Exchange

Preview

IOC/IODE Ocean Teacher 

Welcome to the Ocean Teacher web site of the IOC's International Oceanographic Data and Information Exchange (IODE) programme.

▶ **IOC** The Ocean Teacher web site's objective is to provide training tools for Oceanographic Data and Information Exchange. These tools are used during IODE Training Courses but can, to some extent, also be used for self training and continuous professional development. ▼

▶ **IODE**

TRAINING MANUAL

RESOURCE KIT

ORDER CD-ROMS **CONTACT US**

The screenshot shows a web page with a dark blue background. At the top, there is a header with the text 'IOC/IODE Ocean Teacher' and the IODE logo. Below this is a welcome message. A central text block describes the site's objective, with a right-pointing triangle and a downward-pointing triangle. Below this are two large orange buttons labeled 'TRAINING MANUAL' and 'RESOURCE KIT'. At the bottom, there are two smaller buttons labeled 'ORDER CD-ROMS' and 'CONTACT US'. The background of the page features a collage of images related to oceanography, including a ship, a person, and a globe.



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More information

The IODE OceanTeacher web site can be found at:

<http://oceanteacher.org>

Also available on CD-ROM