



*Training Course:
Integrating Marine Scientific Research into
Surveying: Developing Forecasting Services*

1 - 5 December 2024

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Integrating Marine Scientific Research into Surveying: Developing Forecasting Services

Training Course code: MM235301 From: 1 - 5 December 2024 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 3900 € Euro

Introduction:

The "Establishing Marine Scientific Research Relevant to Marine Surveys with a Forecasting Service" training program is designed to provide participants with the knowledge and skills required to integrate marine scientific research into surveying activities and establish a forecasting service for informed decision-making. By combining scientific research with surveying efforts, participants will learn how to enhance the understanding of marine environments and improve the accuracy of forecasting services for various stakeholders. This program will cover key principles, methodologies, and best practices for integrating scientific research with marine surveys and developing forecasting services.

Target Audience:

- Marine scientists and researchers
- Hydrographic surveyors and technicians
- Environmental scientists and specialists
- Government agencies responsible for marine management and conservation
- Coastal planners and managers
- Marine industry professionals involved in offshore activities

Objectives:

Upon completion of the training program, participants will be able to:

- Understand the importance of integrating marine scientific research into surveying activities.
- Identify key components and methodologies of marine scientific research relevant to marine surveys.
- Develop and implement scientific research projects to support surveying efforts.
- Establish a forecasting service for marine conditions based on scientific research and survey data.
- Collaborate with stakeholders to communicate research findings and forecasting services effectively.

Outlines:

Day 1: Introduction to Marine Scientific Research and Survey Integration

- Overview of marine scientific research: objectives, methodologies, and applications
- Importance of integrating scientific research into marine surveying activities
- Introduction to forecasting services for marine conditions
- Case studies and examples of successful integration of research with surveying and forecasting

Day 2: Methodologies and Techniques for Marine Scientific Research

- Overview of key methodologies and techniques used in marine scientific research
- Sampling and data collection techniques for marine environments
- Analysis and interpretation of marine research data
- Principles of forecasting and prediction modeling
- Practical exercises and demonstrations of research methodologies

Day 3: Developing Scientific Research Projects for Marine Surveys

- Identifying research objectives and hypotheses relevant to marine surveys
- Designing research projects and sampling plans
- Data management and analysis techniques for research projects
- Integration of research findings with surveying activities
- Case studies and examples of marine research projects supporting surveying efforts

Day 4: Establishing a Forecasting Service for Marine Conditions

- Overview of forecasting services for marine conditions: weather, currents, tides, etc.
- Data sources and models used in marine condition forecasting
- Techniques for developing and validating forecasting models
- Integration of survey data and scientific research into forecasting services
- Practical exercises and simulations of establishing a forecasting service

Day 5: Communication and Collaboration with Stakeholders

- Effective communication strategies for sharing research findings and forecasting services

- Collaboration with stakeholders: government agencies, industry partners, local communities, etc.
- Developing outreach and education initiatives to promote awareness of marine conditions
- Case studies and examples of successful stakeholder engagement in marine research and forecasting
- Final assessment and wrap-up session

Registration form on the Training Course: Integrating Marine Scientific Research into Surveying: Developing Forecasting Services

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