

Site visit included!

COURSE

DREDGING FOR SUSTAINABLE INFRASTRUCTURE

BASED ON THE CEDA-IADC GUIDEBOOK OF THE SAME TITLE

12-14 DECEMBER 2023



LOCATION

Abu Dhabi
UAE

WITH THE SUPPORT OF



شركة الجرافات
البحرية الوطنية
NMDC

ORGANISED BY



SUSTAINABLE DREDGING

Learn how to achieve dredging projects that fulfil primary functional requirements while adding value to the natural and socio-economic systems by acquiring an understanding of these systems in the context of dredging as well as stakeholder engagement throughout a project's development.

FOR WHOM

Are you a professional involved in dredging related activities for water infrastructure development and working in government, port authorities, consultancy firms, dredging companies, NGOs, suppliers or ship-builders? Is your ambition to achieve sustainable and resilient water infrastructure or dredging projects that contribute to the UN Sustainable Development Goals? If the answer to either of these questions is “yes” then do not miss the opportunity to join this course. Whether you are an ecologist, engineer, scientist, regulator or financier, valuable knowledge that can be put into practice right away awaits every participant.

LEARNING OBJECTIVES

In this course, you will learn how to implement the sustainability principles into dredging project practice, through answers to the following questions:

- What is the role of dredging in the global drive towards more sustainable development?
- How can water infrastructure be designed and implemented in a more sustainable and resilient



way while aligning with the natural and socio-economic systems?

- How can the potential positive effects of infrastructure development be assessed and stimulated as well as compared with potential negative effects?
- What equipment and which sediment management options are available today?
- A brief introduction to the question “What knowledge and tools are available to make sound choices and control the project?”



YOUR LECTURERS

Experienced lecturers will describe the latest thinking and approaches, explain methodologies and techniques as well as demonstrate – through numerous practical examples – how to implement this information in practice by engaging workshops and case studies.

ERIK VAN EEKELEN, MANAGER ENVIRONMENTAL ENGINEERING DEPARTMENT AT VAN OORD



Erik studied at Delft University of Technology, the Netherlands, where he graduated as MSc (2007) on the subject of dynamic behaviour of dredging plumes of TSHDs. He then

joined the environmental engineering department of Van Oord, working worldwide on the full range of environmental aspects of their projects, such as Eco-Design/BwN, stakeholder engagement, protection of marine fauna and turbidity monitoring and management. Currently he is Lead Engineer of that department. For Van Oord he is part of the Management Team of the EcoShape consortium that develops knowledge via pilots and research on the topic of Building with Nature.



THOMAS VIJVERBERG, DEPUTY MANAGER HYDRONAMIC ENGINEERING DEPARTMENT AT BOSKALIS



Thomas Vijverberg is currently working as deputy manager at Hydronamic (Boskalis engineering department). He is responsible for the Environmental, Morphology and Metocean Data group. He started

working for Boskalis in 2016. He has a background in Civil Engineering (specialisation coastal engineering / morphology (fine sediments)), from Delft University of Technology.

After his graduation as MSc. in 2008 he worked for Royal HaskoningDHV as a consultant rivers, delta's and coasts from 2008 – 2016. Thomas is also member of the CEDA and PIANC workgroups about Beneficial Use of Sediments.



SINA SAREMI, SENIOR COASTAL ENGINEER AT DHI



Sina Saremi is Coastal Engineer at DHI Denmark for 8 years. He is involved in both research and consultancy projects focused on modelling hydrodynamics and sediment transport which involve

dredging and reclamation works as well as planning and execution of Environmental Monitoring and Management Plans (EMMP). He got his PhD in 2014 from Technical University of Denmark (DTU) on modelling sediment plumes from dredging activities. He is a member of CEDA Environmental Committee and CEDA Working Group on Adaptive Management.



PROGRAMME

Day 1 – start 13:00 hr – end 21:30 hr

- **Welcome** – Course Introduction
- **Integrating dredging in sustainable development**
- **Sustainability in project initiation, planning and design**
- **Workshop 1.** Stakeholder Meeting

Evening programme: Participants dinner



Day 2 – start 8:45 hr – end 17:15 hr

- **Assessment and management of project sustainability**
- **Workshop 2.** Adaptive Management Plans
- **Equipment and methods: assessing and managing effects**

Lunch

- **Dredged material management to enhance project sustainability**
- **Workshop 3.** Dredging & Reclamation Plan



Day 3 – start 8:45 hr – end 16:00 hr

- **Effective modelling and practical monitoring for DfSI**
- **Workshop 4.** Monitoring Plan

Certificates

Closing lunch

Site visit



GENERAL INFORMATION

GUIDEBOOK

The course is based on the CEDA-IADC guidebook *Dredging for Sustainable Infrastructure* which was published in 2018.

The publication contains a wealth of up-to-date knowledge pooled by an international team of scientists and practicing industry experts, and guided by an Editorial Board comprising members of CEDA and IADC.



PROCEEDINGS AND CERTIFICATE

Each participant receives a set of comprehensive proceedings and at the end of the course, a Certificate of Achievement in recognition of the completion of the coursework.

DATE & VENUE



The course will be held from 12-14 December 2023 in Hilton Yas Island, Yas Bay-Yas Island, Abu Dhabi (UAE).

PRICING INFORMATION

The Registration fee is **€1,399** per person. There is a special rate of **€1,199** per person for CEDA Members and employees of IADC's member companies. The registration fee for PIANC and IAPH members is **€1,299** per person.

Students pay a special rate of **€599** per person. To be eligible for this special student rate, it is necessary to submit proof of enrolment at a university or college.

The fee is out of scope EU VAT and includes access to all course proceedings, workshops, participants dinner, site visit and a copy of the book *Dredging for Sustainable Infrastructure*, but excludes travel costs and accommodation.

REGISTER ONLINE VIA:

REGISTER NOW

<https://bit.ly/DfSI-AbuDhabi>

PAYMENT CANCELLATION POLICY

If you must cancel your secured place in the course after payment has been made, then the following cancellation policy always applies:

- If you cancel your place 45 days (or more) prior to the course's start date, then a 90% refund of the registration fee (which excludes a 10% administration fee) will be returned.
- When a cancellation is made 30-45 days prior to the course's start date, a 75% refund of the registration fee will be returned.
- When a cancellation is made 8-29 days prior to the course's start date, a 40% refund of the registration fee will be returned.
- When a cancellation is made 7 days (or less) prior to the course's start date, no refund of the registration fee will be returned.

MORE INFORMATION



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NATIONAL MARINE DREDGING COMPANY

National Marine Dredging Company is one of the Middle East's marine industry leaders. Reputed for successfully completing noteworthy projects, NMDC pride themselves in providing flexible, cost-effective and on-time solutions for our valued clients everytime.

NMDC has a strong reputation for delivering high quality projects and services, in addition to liaising closely with shareholders to produce the best possible outcomes for clients, staff and the environment.

Supported by an impressively large fleet of dredgers and support vessels, NMDC has the professionalism and motivation to operate anywhere in the world, and the capability to overcome even the most challenging site conditions. Through their concerted initiatives over the years, NMDC has raised the industry benchmark and are today a respected name in our sphere of business.



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