DREDGING FOR SUSTAINABLE INFRASTRUCTURE

BASED ON THE CEDA-IADC GUIDEBOOK OF THE SAME TITLE

2, 3, 16 & 17 DECEMBER 2021
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 shipbuilders? 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?”
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 EKELENE, MANAGER ENVIRONMENTAL ENGINEERING DEPT. 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 leading the Environmental Engineering 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.

MARK LEE, TECHNICAL DIRECTOR AT HR WALLINGFORD

Mark is the Technical Director of HR Wallingford’s Ships and Dredging services, his specialisation is in monitoring and survey relating to Dredging, having previously been the manager of the Oceanography Department of a marine survey company, working internationally. Mark has published widely on the topic of monitoring and survey. Professional Institution work Mark has contributed to includes the writing of industry standards, guides and classifications via contributions to Working Groups for BSI, CEDA and PIANC. Mark is a regular lecturer on HR Wallingford’s Dredging Management Course and has also lectured for CEDA and at the UK’s National Oceanography Centre. Mark is an active member of the CEDA Board.

MARC HUYGENS, ENVIRONMENTAL & SUSTAINABILITY MANAGER AT DEME GROUP

As MSc. Civil Engineer - Construction, Marc started his career in 1988 at the University of Ghent, working on applied research topics. In 2011, Marc joined the DEME Group as a senior design manager of innovative, conceptual projects such as offshore wind farms, alternative dredging/disposal strategies in tidal estuaries and eco-friendly coastal protection. From 2014, he is Environmental & Sustainability Manager, coordinating all operational environmental engineering services within the marine works.

THOMAS VIJVERBERG, DEPUTY MANAGER HYDRONAMIC AT BOSKALIS

Thomas Vijverberg is currently working as deputy manager at Hydronamic. 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 working groups about Beneficial Use of Sediments.
SESSION 1: 2 December 2021 – 09:00 hr – 13:00 hr CET

Chapter 1: Welcome - Course Introduction
Chapter 2: Integrating in Sustainable Development
Chapter 3: Sustainability in project initiation, planning and design
Workshop 1: Stakeholder Meeting

SESSION 2: 3 December 2021 – 09:00 hr – 13:00 hr CET

Chapter 4: Assessment and management of project sustainability
Workshop 2: Adaptive Management Plans

SESSION 3: 16 December 2021 – 09:00 hr – 13:00 hr CET

Chapter 5: Equipment and methods: assessing and managing effects
Chapter 6: Equipment and methods/dredged material management to enhance project sustainability
Workshop 3: Dredging & Reclamation Plan

SESSION 4: 17 December 2021 – 09:00 hr – 13:00 hr CET

Chapter 6: Dredged material management to enhance project sustainability
Chapter 7/8: Effective modelling and practical monitoring for DfSI (short)
Workshop 4: Monitoring Plan
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.

PRICING INFORMATION
The Registration fee is € 500 per person (excl. VAT). There is a special rate of € 425 per person (excl. VAT) for CEDA Members and employees of IADC’s member companies. For IAPH members, the registration fee will be € 450 (excl. VAT).

The fee includes access to all course proceedings, workshops, a hard copy or e-book “Dredging for Sustainable Infrastructure” and VAT. When you register we ask you to make a choice. Please note the following conditions on the shipping costs:

- Participants from the Benelux get the choice of hard copy or e-book. No surcharge for shipping costs.
- Participants from the EU: e-book is included in the fee, if a hard copy is selected, an amount of € 15 will be added to the invoice for shipping costs.
- Non EU Europe: e-book is included in the fee, if a hard copy is selected, an amount of € 30 will be added to the invoice for shipping costs.
- Rest of the World: e-book is included in the fee, if a hard copy, is chosen, an amount of € 80 will be added to the invoice for shipping costs.

SPECIAL STUDENTS CONDITIONS
Students pay a special rate of € 100 (excl. VAT). Only an e-book is included in the fee. If a hard copy is chosen, students can purchase the book at cost price plus the shipping costs.

REGISTER ONLINE VIA:

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.

If you cancel your place closer to the course’s start date, then the following fees apply:

- 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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