



# COURSE

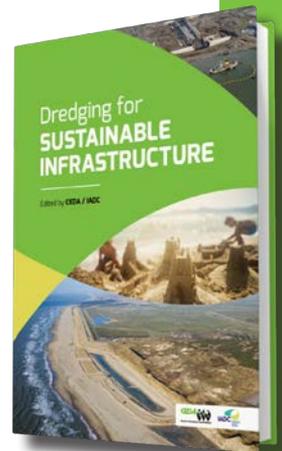
# DREDGING FOR SUSTAINABLE INFRASTRUCTURE

BASED ON THE CEDA-IADC GUIDEBOOK OF THE SAME TITLE

20-22 JUNE 2023

## LOCATION

Beveren  
Belgium



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.



## **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, renewable tidal and wave energy devices, eco-friendly coastal protection and energy storage islands – bringing together the operational marine offshore experience,

the technical expertise and the growing awareness on ecology and social impacts. From 2014, he was appointed Environmental & Sustainability Manager for the DEME Group – coordination all operational environmental engineering services within the marine works.



## **FREDERIK ROOSE, PROJECT COORDINATOR RESEARCH AND MONITORING AT FLEMISH GOVERNMENT**



Frederik graduated at the University of Ghent as Bio-engineer in soil and water management and as Master of Marine and Lacustrine Sciences. Frederik is working as a project coordinator in the Environment Team

of the Maritime Access Division of the Department of Mobility and Public Works in Flanders, Belgium. He's coordinating the development of the sediment management strategy for the fairway maintenance in the Scheldt estuary and is involved in monitoring and research projects that contribute to the common Flemish-Dutch management of the Scheldt estuary. Frederik is member of the CEDA Environment Commission since 2009 and has contributed to several CEDA Information Papers, amongst which the CEDA Information Paper on underwater sound, ecosystem services and monitoring procedures.



# 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 9:00 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 12:45 hr

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

**Certificates**

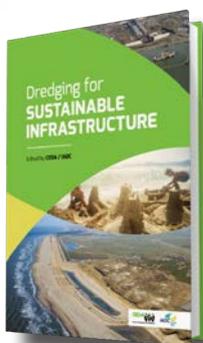
**Closing lunch**



# 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 20-22 June 2023 in Hotel Van der Valk  
Gentseweg 280  
9120 Beveren  
Belgium  
+32 3 775 86 23  
[www.hotelbeveren.be](http://www.hotelbeveren.be)

## PRICING INFORMATION

The Registration fee is € 1,199 per person. There is a special rate of € 999 per person for CEDA Members and employees of IADC's member companies. The registration fee for PIANC and IAPH members is € 1,099 per person.

Students pay a special rate of € 499 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 excluding VAT and includes access to all course proceedings, workshops, participants dinner and a copy of the book *Dredging for Sustainable Infrastructure*, and excludes travel costs and accommodation.

## REGISTER ONLINE VIA:

**REGISTER NOW**

<https://bit.ly/DfSI-062023>

## 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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