



# ANNUAL REPORT 2014



UNDERSTANDING DREDGING



**Central Dredging Association**

**Central dredging Association – CEDA**

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# CEDA ANNUAL

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# REPORT 2014



# MESSAGE FROM THE PRESIDENT AND THE GENERAL MANAGER

Dear Reader,

2014 was a year when we consolidated much of the work started in the previous year and set out our ambitious plans for the future in the CEDA Strategy and Action Plan. We followed up on many activities and signed off on several major events which were completed. In addition, a lot of work has gone on behind the scenes to pave the way for the new initiatives that will help us achieve our future objectives.



**Anders Jensen**  
President



**Anna Csiti**  
General Manager

In reviewing the year we are pleased with what we have succeeded in doing. Some notable achievements from the year include:

- Organising a wide range of successful meetings, site visits and other activities of the national sections, for our members - young and more established;
- Maintaining our status as the independent, expert voice of dredging and water-based infrastructure, and keeping decision-makers informed, through representation at international forums such as the London Convention, OSPAR Commission, European Commission, International Commission for the Protection of the Danube;
- Laying the foundation for our next flagship conference and exhibition, CEDA Dredging Days 2015 which has been well-received so far;
- Redesigning and launching the CEDA website which gives our membership, and other online visitors, significantly improved access to a wealth of dredging knowledge;
- Successfully engaging students and young professionals in our industry in initiatives, led by Young CEDA, which included four excellent meetings in four different countries.

Finally, we would like to be the first to thank the many CEDA members who kindly volunteered their time – worth many thousands of valuable engineering hours – and the member organisations that allowed them to do it. The enthusiasm and dedication that they have brought to numerous commissions and working groups, and as technical representative of our association, is greatly appreciated. In helping to further the cause of the dredging profession and engendering best practice in the industry, our volunteers, and their organisations, hopefully also benefit from the additional leadership skills gained and a raised professional profile.

Anders Jensen  
CEDA President

Anna Csiti  
General Manager

## ABOUT CEDA

CEDA is an established authority and the leading independent forum for the professional dredging community, and associated industries, in Europe, Africa and the Middle-East. It represents dredging professionals and organizations, from government, academia and business, in the region and fosters and promotes the understanding and advancement of dredging to the wider community.

It is a recognized reference point for high-quality specialist knowledge on all aspects of dredging and provides a multidisciplinary network for professional contacts.

Drawing on the collective knowledge of its members, and as an impartial organization, CEDA regularly gives expert advice to government and international regulatory bodies. CEDA members are representative of consultancies, research and educational institutions, port authorities, government agencies, dredging contractors, designers and builders of dredging vessels, suppliers of ancillary equipment, and organizations providing a whole range of related services.

### Mission

CEDA's mission is to be the independent, easy-to-access forum for the professional dredging community and the wider associated industries in Europe, Africa and the Middle East. Through its knowledge transfer and exchange programmes, products and services, CEDA enables the professional development, and corporate and personal success, of its members. It fosters technological innovation and advancement of best practice in all dredging-related activities. It promotes the contribution of dredging to sustainable aquatic environment and infrastructure.

CEDA's scope includes all fields related to dredging such as land reclamation, marine and fluvial construction, offshore energy, fluvial and deep-sea mining.

### Vision

CEDA's vision is to be essential to the professional dredging community and the wider associated industries and to be universally recognized for its professional expertise and balanced views.



**Position**

CEDA is part of the World Organisation of Dredging Associations (WODA) and is responsible for Europe, Africa and the Middle East. CEDA's two sister associations, WEDA (Western Dredging Association) and EADA (Eastern Dredging Association), serve the Americas, and Asia, Australia and the Pacific region respectively.

A number of international and national organisations, both professional and trade, operate in dredging and related fields. International organisations with which CEDA has regular contacts and co-operates on projects of common interest include: the International Navigation Association (PIANC), the International Association of Dredging Companies (IADC), the International Association of Ports and Harbours (IAPH), the European Dredging association (EuDA), and the European Seaports Organisation (ESPO).

At the end of 2014, CEDA had 456 individual members, including 5 students, 7 starters, 38 retired members and 11 university or college lecturers. Unfortunately, the number of individual members continues to decrease (in the previous year there were 488).

However, on a positive note, the number of corporate members in 2014 increased to 123, from 122 in the year before.

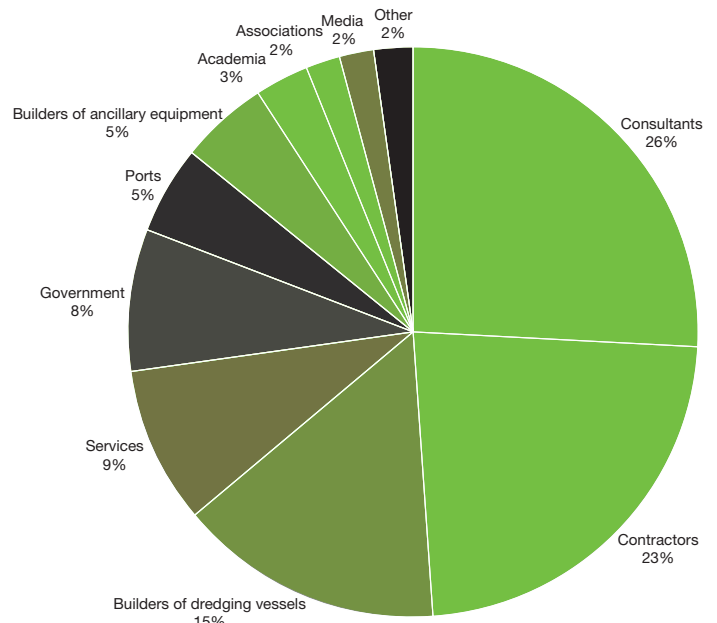
Attracting new members and retaining existing ones is a challenge. We strive to put extra effort into bringing new members into our community, and all members are encouraged to be good ambassadors for CEDA.

**MEMBERSHIP**

One of CEDA's distinctive strengths lies in its diverse membership. CEDA members, corporations, organisations and individuals come from many fields and include project owners, commissioners of large infrastructure projects, dredging contractors, equipment manufacturers, consultants, academics and regulators. The graphic and list below illustrate the diversity and the geographical spread of CEDA's members.

**Countries of origin**

Argentina	Indonesia	Romania
Australia	Iraq	Russian Federation
Belgium	Ireland	Senegal
Canada	Italy	Spain
China	Malaysia	Sultanate of Oman
Cyprus	Morocco	Switzerland
Denmark	Mozambique	Togo
Finland	Netherlands	United Arab Emirates
France	Nigeria	United Kingdom
Germany	Norway	USA
Guinea	Portugal	
India	Qatar	



Composition of CEDA's membership by main area of activity.

## New corporate members

In 2014 we were delighted to welcome the following companies/organisations as new corporate members in the CEDA community:

- Aannemingsmaatschappij De Vries & van de Wiel bv, The Netherlands;
- Aciéries Hachette & Driout (representing SFT, owner of TRECAR patent), France;
- C.C. Jensen Benelux B.V., The Netherlands;
- Geo Plus, The Netherlands;
- Herbosch-Kiere, Belgium;
- MeteoGroup Nederland BV Offshore Division, The Netherlands;
- Ministry of the Flemish Community/Agency for Maritime and Coastal Services, Belgium;
- SeaRoc Group Limited, UK;
- TenCate Geosynthetics, The Netherlands;
- United Dredging Company, Kingdom of Bahrain;
- Van Voorden Castings BV, The Netherlands; and
- Wolf, Belgium.



“CEDA IS DRIVEN BY ITS V



## CEDA VOLUNTEERS: CEDA PILLARS

CEDA is driven by its members, many of whom provide their time and expertise voluntarily. The growth of the association is based on their enthusiastic and dedicated work; they are the true pillars of CEDA.

## NATIONAL SECTIONS

Areas or countries with many CEDA members can set up a regional or national CEDA section to support internal networking at regional or national events. These sections are the smallest clusters through which CEDA members can become part of the wider CEDA network and, through WODA, be connected to the global network of professionals who share the same interest in dredging and marine construction. The chairs of these sections are CEDA ambassadors who help newcomers swiftly and easily become part of the CEDA community.

In 2013, CEDA's national sections continued to offer a successful series of meetings and site visits on topical subjects. Altogether, CEDA's four national sections held 11 well-attended meetings, site visits and events over the year. Members can see many of the presentations on the appropriate national section pages of the CEDA website.

### African Section



**Mulud Abudib**  
Acting Chair



**Khadija Legliti**  
Secretary

In October 2014 Mr Abdelamid Mimouni retired as CEDA President. Mr Mulud Abudib, President of Group World Drapor, took his place as interim President of the African Section. Mr Abudib will seek election at the forthcoming Annual General Meeting of the Section in April 2015.

Anna Csiti  
General Manager CEDA

### Belgian Section



**Eric Van den Eede**  
Chair



**Christel Goetschalckx**  
Secretary

The Belgian Section organised three events in 2014 for its members.

### New Year's Reception

On 28 January the Belgian Section organised a reception in Beveren to celebrate the New Year. It was preceded by a keynote speech by Paris Sansoglou, Secretary-General of EUDA (European Dredging Association). Mr Sansoglou highlighted in his well-appreciated presentation the differences and similarities between the dredging community and the dredging industry.

This presentation was particularly interesting as not all CEDA members are aware of the objectives and activities of EuDA. In addition it will help to open the dialogue between sister associations, stimulate co-operation, and avoid duplication of effort.

OLUNTEERS"



Audience at the joint meeting of the Belgian Sections of CEDA and PIANC in Brussels.



Speakers at the joint meeting of the Belgian Sections of CEDA and PIANC in Brussels (l to r): Frederik Roose (Ministry of Flemish Community Maritime Access Division - Belgium), Philip Van de Putte (DEME - Belgium), Polite Laboyrie (Witteveen+Bos - Netherlands), Jos Smits (IMDC - Belgium) and Harald Koethe (PIANC / German Ministry of Transport and Digital Infrastructure - Germany).

## Club Evening

A Club evening was held on 20 May, in the 'Huis van de Bouw' (Home of Building) in Ghent, and the theme for the evening was research and modelling for sedimentation and coastal protection. Three presentations were given:

- Research in the Sediment Test Tank, by Thomas van Hoestenbergh, Antea Group;
- Research Concerning Currents and Sedimentation in the Port of Zeebrugge, by Joris Vanlede, Hydraulic Laboratorium, Borgerhout; and
- Testing of Measures for Coastal Protection with Physical and Numerical Models, by Corrado Altomare, University of Ghent.

## CEDA-BE / PIANC-BE Joint Event: Sustainable and Resilient Design and Management of Waterborne Transport Infrastructure

CEDA-BE and PIANC-BE, the Belgian Sections of CEDA and PIANC, organised a joint event on 17 October. As both organisations have a well-established environmental commission, and considering that there are important developments in this field, it was decided to focus the event on developments within both commissions.

First both chairmen, Harald Koethe for PIANC-EnviCom and Polite Laboyrie for CEDA's Environmental Commission, presented an overview of the recent activities of their commission. They were followed by presentations, from members of both commissions, on working with nature, ecosystem services, real-time forecasting of

environmental effects of dredging activities and knowledge exchange.

Finally a roundtable discussion, moderated by Marc Huyghens of DEME, allowed attendees to deepen their understanding and exchange views about the presented themes. All presentations are available on both the CEDA-BE and PIANC-BE website.

The opportunity was used to allow the chairmen of the Young Professionals of PIANC-BE, Jan Goemaere and CEDA-BE, Joris Santermans, to present their activities to the participants.

It was agreed that CEDA-BE and PIANC-BE will look for opportunities to repeat this initiative in the future.

## Actions for 2015

CEDA-Belgium is as usual planning three events in 2015 of which one will be in co-operation with CEDA-Netherlands. The efforts to attract new members will be continued. The Young Professionals will be actively supported in their efforts to reach colleagues, in the public and private sectors, and to involve them in activities and events as a marketing tool for CEDA.

Eric Van den Eede  
Chair CEDA-BE

## Dutch Section



**Johan Pennekamp**  
Chair



**Yvonne Duivenman**  
Secretary

Derived from the overall mission and goal of CEDA, the Dutch Section (CEDA-NL) focusses particularly on the dissemination of knowledge and creating a platform for networking in the Dutch and regional dredging community.

In 2014 CEDA-NL organized six events. The meeting subjects were chosen for their broad appeal and prominence and the large audiences that attended the events was a sign of the programme's great success.

CEDA-NL was pleased to be able to jointly host events with Deltares, Van Oord and Rabobank. Apart from helping us to stretch CEDA budgets, more importantly for the other organizations it gave them an ideal opportunity to showcase themselves to the CEDA community.



*The meeting on the future of dredging at Rabobank attracted over 120 participants.*

Growing the attendance and interaction of young professionals in the CEDA community continued to be a priority and this year we welcomed an increasing number to our events. The collaboration with adjacent branch associations, shipbuilders (KNVTS), Hydrographic Society Benelux (HSB) and offshore industry (IRO) was further improved and strengthened by joint meetings.

In 2014 CEDA-NL meetings included:

- 30 January: Explosives: UXO Detection and Disposal, in Delft;
- 6 March: Innovations in Trenching Technology, in association with IRO;
- 24 April: Building Dredgers done Internationally, in association with KNVTS;
- 19 June: Re-use of Dredged Material, at Deltares, Utrecht;
- 30 September: Advances in Survey Concepts, at Van Oord, Rotterdam, in association with HSB; and
- 20 November: Our Dredging Industry in the year 2030, at Rabobank, Utrecht.

The Maintenance in Dredging Society, of which CEDA-NL is one of two founding fathers, convened three times in 2014:

- 10 March: Dredging Involves Worldwide Transport;
- 8 September: Advancements in Dredging Maintenance and Support;
- 3 November: Meticulous Dredging.

Johan Pennekamp  
Chair CEDA-NL

## UK Section



**Nicola Clay**  
Chair

**Jacqueline Finch**  
Associated Societies  
Executive

### Overview

2014 seems to have passed by very quickly! Austerity and efficiency affected the ability of the CEDA UK Committee to deliver a full programme of events. Despite these constraints Committee members actively participated in meetings and we are looking forward to our 2015 programme with renewed vigour.

### Events and Activities

One half-day technical meeting, focusing on future trends, was held in 2014.

#### *Watch out! Future Trends in Dredging*

In December, CEDA UK hosted a fascinating and insightful seminar about future trends affecting the dredging industry. Around 60 attendees joined the Committee to hear how infrastructure projects across different sectors



*At the CEDA UK seminar in November.*

are an important part of the global economic recovery. This seminar brought together experts in the field to look forward to 2015, and beyond, to identify the key trends and initiatives that would affect the dredging industry. Our expert speakers discussed how the availability of dredgers to the UK market is influenced by demand from projects internationally, how the timescale for the planning and design of ships affects the dredging and construction of ports, and how taking a different approach to supplying marine aggregates could lead to a greater use in projects further inland. We heard about what the UK plan-led licensing regime means in practice for maintenance and capital dredging projects, and finally, but crucially, we received a presentation on the implications of the push to a low-carbon economy for the dredging industry.

#### *John Sargent Lecture*

The 2014 John Sargent lecture was given by Marcus Pearson, Environment Manager from DP World London Gateway. The London Gateway Project was awarded the Lloyds List Environmental Innovation Award in 2010. Marcus gave an overview of the challenges and obstacles that were overcome to construct London Gateway. It's the UK's largest privately-funded infrastructure project, combining a container port and logistics centre in the Thames Estuary, and it's making waves as Europe's most innovative and sustainable multi-modal transport hub. The presentation covered engineering techniques used in construction and as well as the challenges of removing 320,000 animals from a vast area of an old former refinery site, un-covering Roman archaeology on a newly created mudflat, and remediating heavy contaminated soils on site without sending any materials to landfill.

The presentation, about such a major and unique project, was interesting and enlightening in equal measure.



*CEDA-UK Committee (l to r): Payam Foroudi (Halcrow Group Limited), Will Shields (Boskalis), Colm Sheenan (Antony Bates Partnership), Nick Smith (Canal & River Trust), Nick Everington (The Crowne Estate), Paul Hesk (Van Oord), John Hughes (DEME), Nicola Clay (Royal HaskoningDHV), John Brien (Harwich Haven Authority), Michael Costaras (HR Wallingford).*

The audience of around 70 professionals asked many perceptive and insightful questions. The Committee would like to thank Marcus Pearson for his excellent lecture.

### **CEDA Input to Legislation**

CEDA UK takes an active role in the development of national and European legislation that may affect the dredging industry. The UK government introduced a new navigation dredging licensing regime in April 2014 and CEDA has provided advice through representation at the stakeholder events. Further government initiatives relevant to CEDA in the UK include the potential designation of more conservation sites (both at national and European level) and a review of River Basin Management Plans (Water Framework Directive).

CEDA UK continues to host the CEDA Liaison Group which is using information from case studies of the use of dredged material to inform evidence-based decision-making by regulators. Key UK regulators and stakeholders are represented on this group. Nick Smith continues to represent CEDA UK in discussions with Defra on inland dredgings. In the UK CEDA is represented on the UK Water Framework Directive/Marine Strategy Framework Directive Navigation Sector Group which provides a forum for the navigation industry and government to liaise on progress with these pieces of legislation.

Committee members have continued to play an active role in wider CEDA activities: Lindsay Murray and Michael Costaras represent the Committee on the CEDA Main Board; Andy Birchenough and Katherine Harris are involved with CEDA's Environment Commission; and Katherine Harris and James Spragg also have a role in Young CEDA.

### **Future Events**

In 2015 the Committee is planning several interesting site visits including a visit to the Liverpool 2 Port development (dredging and reclamation), Clacton beach recharge, an oil and gas project in the north east and potentially to the habitat creation site at Wallasea Island in Essex. Details will be provided when the visits are confirmed.

The 2015 John Sargent Lecture will be given by Francis Archer of Arup. Francis will introduce the exciting Garden Bridge project – a pedestrian bridge spanning the Thames, between the South Bank and Temple, and featuring public space planted with trees, shrubs, hedges and flowers.

Our technical seminars in 2015 will include:

- May: Port development and dredging in Scotland;
- September: Dredging for Infrastructure – bridges, tunnels and canals; and
- December: TBC.

### **Liaison with Kindred Organisations**

The Committee has continued to liaise with kindred organisations including PIANC, the Federation of Dredging Contractors, AINA and of course, the CEDA Main Board. We have secured a place on the ICE Maritime Panel where we are represented by Payam Foroudi. CEDA continues with its official observer roles in the London and OSPAR Conventions.

### **Personnel**

We have said goodbye to Cheryl Maund who managed our Secretariat. We will miss Cheryl and would like to thank her for her calm professional approach and hard work. We have welcomed Jacqueline Finch as our new Secretary and we are enjoying introducing her to the world of dredging!

The CEDA UK Committee composition remains the same as last year and all members have made a strong commitment to CEDA UK through attendance at meetings and leading technical seminars and events. I would like to thank the Committee members for their continued dedication to CEDA UK and enthusiasm for our activities. I look forward to, and appreciate, the continued input from all Committee members during 2015.

Nicola Clay  
Chair CEDA-UK

# EVENTS

## **CEDA Dredging Days 2015: Innovative dredging solutions for ports** 5-6 November 2015, Rotterdam, the Netherlands

Work is well underway in organising CEDA Dredging Days 2015 which will be held, in conjunction with Europort 2015, in Rotterdam in November.

Dredging and the management of sediments are key elements in the sustainable development and operation of most ports. There is a growing call for them to become greener, more environmentally aware, and more responsible operations. As a result, innovative and cost-effective solutions that meet environmental objectives, and offer opportunities for enhancing or creating natural ecosystems around the port, are increasingly important. Achieving this will need advanced dredging



*CEDA Dredging Days 2015 Technical Papers Committee during their 2<sup>nd</sup> meeting assessing the submitted abstracts (l to r): Renaat De Sutter (Antea Group - Belgium), Cees van Rhee – chair (Delft University of Technology - Netherlands), Henrich Röper (Hamburg Port Authority - Germany), Sylvia Minten (Dredging Days 2015 Secretariat - Netherlands), Erik van der Blom (Royal IHC - Netherlands), Colm Sheehan (Anthony D Bates Partnership - UK).*

technology, and a thorough understanding of the natural processes around ports including dealing with the effects of climate change.

In direct response to the need for more sustainable processes, CEDA Dredging Days 2015 will focus on innovative dredging solutions for ports. It will present the latest technical and scientific developments. It will also cover best practice relating to maintenance and capital dredging in ports, and access channels, and the management of sediments including the sediment balance of the broader port environment.

The Call for Papers was issued in September 2014, with a submissions deadline of 7<sup>th</sup> January 2015 for abstracts. The organising committee has received an outstanding response. A record number of high-quality abstracts have been sent in from all over the world. The Papers Committee will have quite a task in selecting which papers to invite for presentation at the conference.

**First Announcement  
CALL FOR PAPERS**

**CEDA DREDGING DAYS 2015**  
Innovative Dredging Solutions for Ports  
Conference and Exhibition  
5-6 November 2015  
Ahoy Rotterdam, the Netherlands

In conjunction with **EUROPORT** exhibition for maritime technology 2-4 November 2015 Ahoy Rotterdam

Organised by **CEDA** Central Dredging Association  
Media Partner **IHS**  
Bronze Sponsor **DAMEN** DREDGING EQUIPMENT

**Submit your abstract by 7 January 2015 at**  
[www.cedaconferences.org/dredgingdays2015](http://www.cedaconferences.org/dredgingdays2015)

- Present your **ideas** to fellow dredging professionals and academics in the field
- Contribute to the **leading dredging event** for the region
- Share** best practice, challenges and solutions

*The Call for Papers to CEDA Dredging Days 2015 resulted in a record number of excellent abstracts.*

## WODA workshop: Underwater sound in relation to dredging – translating science into first-hand guidance

26 March 2015, Paris, France

The WODA workshop on underwater sound in relation to dredging, will be held on 26<sup>th</sup> March 2015, in Paris, France.

In June 2013 WODA published the Technical Guidance on Underwater Sound in Relation to Dredging. It was compiled by the WODA Expert Group on Underwater Sound, under the remit of the WODA Environmental Commission, and reviewed by experts in the field. The paper was well received among scientists and stakeholders from policy and industry and as a result it was agreed to hold a workshop that would bring the Technical Guidance to life.

In 2014 the organising committee conducted much of the preparatory work for the workshop including working

with other organisations to ensure the event will be a success. The programme was finalised towards the end of the year and the promotional activity for the event began soon after.



Invitation to the workshop by the Chair, Frank Thomsen (DHI - Denmark).

The workshop has been organised by CEDA, on behalf of WODA, and is supported by Cerema (Center for expertise and engineering on risks, urban and country planning, environment and mobility), French Maritime Cluster (CMF) and French federation of companies working in the maritime field (Tramaf).

A unique opportunity to learn from top experts.

## Environmental Aspects of Dredging: Two-day training course

18-19 June 2014

The intensive training course Environmental Aspects of Dredging was held at HR Wallingford, Wallingford, Oxfordshire, UK on 18-19 June 2014. Jointly developed by CEDA and IADC the course provided particular guidance on working within the Water Framework Directive in the United Kingdom. Delegates received two very full days of lectures and working group sessions on topics including:

- An overview of the players who may become involved in dredging projects and their perspectives;
- The main types of dredging equipment, their environmental effects and possible mitigation measures;
- Pre-dredging site investigations, monitoring and dredged material management; and
- Material on the Water Framework Directive and the HR Wallingford guidance note Clearing the Waters.

To help consolidate learnings during sessions delegates were split into small groups and directed to find solutions for dredging projects that closely resembling real-life dredging situations. As an additional bonus for attendees the course was officially recognised by IMarEST for its CPD value.



*Attendees to the Environmental Aspects of Dredging Course in Wallingford, June 2014.*





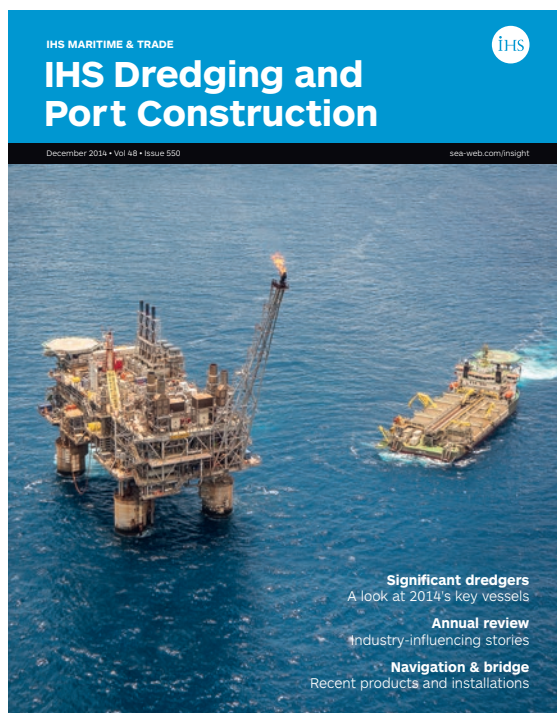
## SERVICES

In addition to providing a platform for learning, information exchange and networking, CEDA also offers a variety of other services to members. In particular, it publishes resources in print and online. It also gives corporate members the opportunity to present themselves online and at events.

### Publications

#### CEDA's official magazine, IHS Dredging and Port Construction DPC

Every CEDA member receives, as a benefit of membership, a subscription to IHS Dredging and Port Construction (DPC), the official magazine of CEDA. This specialised monthly publication keeps the readers informed of the latest developments in the sector and is helpful in identifying appropriate business partners. DPC also keeps readers up-to-date on the activities of CEDA and its sister associations, EADA and WEDA. CEDA members have access to the online version of DPC and can browse or download the archives.



All CEDA members receive the print magazine DPC and have access to the online version.

Subscribers to IHS Dredging and Port Construction including all CEDA members – can benefit from enhanced features such as:

- Access to the IHS Sea-web™ news module: [www.sea-web.com/news](http://www.sea-web.com/news) ; and
- Digital magazine: [maritime.emags.ihs.com](http://maritime.emags.ihs.com).

#### CEDA papers on adaptive management and environmental monitoring



The two working groups together during their first meeting hosted by Witteveen+Bos (l to r): Henrich Röper (Hamburg Port Authority - Germany), Mark Lee (HR Wallingford - UK), John Kirkpatrick (HR Wallingford - UK), Rebecca Gardner (Anchor QEA AS - Norway), Gerard van Raalte (Boskalis/Hydronamic - Netherlands), Marcel Van Parys (Jan De Nul - Belgium), Frederik Goethals (Dredging International - Belgium), Steve Challinor (Royal HaskoningDHV - UK); Ida Brøker (DHI - Denmark), Ulrik Lumborg (DHI - Denmark), Dafydd Lloyd Jones (Marine Space Ltd - UK). On the screen: Andrew Costen (BMT WBM - Australia), Ram Mohan (Anchor QEA AS - USA) participated in the meeting via teleconferencing.

At the end of 2013, two CEDA working groups were set up, by the CEDA Environment Commission (CEC), with the aim of producing two closely related documents - one on Adaptive Management (AM) and one on Environmental Monitoring Procedures (EMP). The activities of the two working groups have been closely harmonized because of the clear interaction and connections between the two subjects. AM is heavily dependent on good monitoring while environmental monitoring itself can be done in an adaptive manner.

Both working groups were made up of international experts, with broadly diverse backgrounds and expertise working under the remit of the CEC.

CEC extends its thanks to the following CEDA/ WEDA members who volunteered to share their time and expertise:

- WG Adaptive Management: Gerard van Raalte (Boskalis / Hydronamic - Netherlands) (Chair), Chris Adnitt (Royal Haskoning DHV - UK), Marijn Huijsmans (Witteveen+Bos - Netherlands), John Kirkpatrick (HR Wallingford - UK), Ram Mohan (Anchor QEA, LLC - USA), Marcel Van Parys (Jan De Nul - Belgium), Henrich Röper (Hamburg Port Authority - Germany) and Craig Vogt (Craig Vogt Inc - USA).
- WG Environment Monitoring: Ida Brøker (DHI – Denmark) (Chair), Steve Challinor (RoyalHaskoning DHV - UK), Andrew Costen (BMT – Australia), Rebecca Gardner ( Anchor QEA AS – Norway), Frederik Goethals (DEME – Belgium), Mark Lee (HR Wallingford – UK), Dafydd Lloyd Jones (Marine Space –UK) Ulrik Lumborg (DHI – Denmark), Frederik Roose (Min. of the Flemish Community, Maritime Access Division – Belgium), Marcel Van Parys (Jan De Nul - Belgium)

The majority of work was carried out throughout 2014, with both papers published in March 2015.

### ***CEDA position paper: Integrating Adaptive Environmental Management into Dredging Projects***

During the year the Working Group on Adaptive Management worked on its overview of how adaptive management principles could contribute to the environmentally sound execution of dredging projects. The first



*The WG Adaptive Management during their second meeting hosted by Royal HaskoningDHV (l to r): Marcel Van Parys (Jan De Nul – Belgium), Henrich Röper (Hamburg Port Authority – Germany), Gerard van Raalte (Boskalis/Hydronamic - Netherlands); Marijn Huijsmans (Witteveen+Bos - Netherlands), Chris Adnitt (Royal HaskoningDHV - UK); John Kirkpatrick (HR Wallingford - UK).*

full draft was produced in April 2014 and the final draft was submitted to the CEC meeting, in autumn 2014, and approved for publishing at the end of the year.

The published position paper covers:

- what adaptive environmental management (AM) can do for a dredging project;
- the types of projects that can benefit from AM and how projects should be organised to achieve those objectives;
- what critical success factors should be taken into account; and
- case studies to illustrate the results so far achieved by applying AM.

The position paper can be downloaded from the “Resources” section of the CEDA website.



*Gerard van Raalte (Boskalis/Hydronamic – Netherlands) Working Group Chair joins the CEC meeting in Hamburg from his desk in Papendrecht to discuss the final draft version of the position paper.*

### ***CEDA information paper: Environmental Monitoring Procedures***

The Working Group on Environmental Monitoring Procedures, liaised closely with the Working Group on Adaptive Management during 2014, in which time they produced a corresponding information paper on environmental monitoring procedures.

This information paper considers that dredging has the potential to change the quality of the environment positively and/or negatively. Monitoring allows for measuring and recording environmental parameters, at both spatial and temporal scales, to characterise the environment and to assess environmental change and potential impact. Based on such measurements the need for adaptation of dredging plans can be assessed and the paper covers why and how environmental monitoring is undertaken. It includes:

- references to different types of monitoring in relation to the different stages of a dredging project;
- case studies to illustrate monitoring methods and covering different types of monitoring, including baseline, surveillance and compliance monitoring; and
- examples to illustrate the relevance of adapting the monitoring programs as the understanding of the system and its response to pressures changes. Also illustrated is how the dredging project may be adapted during the project period as a result of knowledge obtained by monitoring.

The information paper can be downloaded from the “Resources” section of the CEDA website.



*Putting final touches to the paper (l to r): Mark Lee (HR Wallingford – UK), Ida Brøker Working Group Chair (DHI – Denmark).*

### **In preparation: CEDA-IADC handbook “Sustainable Dredging” (working title)**



*Claudia Flecken, Hamburg Port Authority, Member of the CEDA Board, emphasises the importance of sharing knowledge and best practice via a new book while welcoming participants of the workshop CEDA-IADC handbook “Sustainable Dredging” to Hamburg.*

Since the publication in 2008 of CEDA-IADC book *Environmental Aspects of Dredging* (ed. N. Bray), there have been considerable advances in knowledge about the natural environment and its processes and dynamics. The focus of environmental concerns associated with dredging projects has shifted from contaminated sediments to issues including climate change, working with nature, and habitat. As a result the CEDA and IADC Boards felt it was time to summarise that new knowledge and make it available to a broad audience in a new book.

Once again, a joint Editorial Advisory Board has been set up to guide the project. In 2014 the first draft was reviewed by the CEDA Environment Commission (CEC) and the equivalent body within IADC.

A series of in-depth discussions followed which culminated in a one-day workshop in October 2014, hosted by the Hamburg Port Authority and attended by 20 leading international experts. Participants included members of the CEC (the workshop was conveniently linked to

the fall meeting of the Commission) and invited experts. It resulted in a detailed outline of the book, reflecting the experts' views on what specific content, type of data, recipes, guidance, tools and concrete examples they would find useful.

As a next step the advisory board invited a team of lead authors – two authors per chapter - and set up a writing session in January 2015.



Lots of discussions...

... resulting in lots of valuable input.

Participants of the workshop CEDA-IADC handbook “Sustainable Dredging” (October 2014, Hamburg, Germany):

First name	Surname	Company	Country
Stefan	Aarninkhof	Boskalis	Netherlands
Andrew	Birchenough	CEFAS	UK
Mark	Bollen	IMDC	Belgium
Ida	Brøker	DHI	Denmark
Anna	Csiti	CEDA	Netherlands
Pieter	De Boer	Ministry of Infrastructure & Environment	Netherlands
Erik	Eekelen, van	Van Oord	Netherlands
Katherine	Harris	HR Wallingford	UK
Rienk	Hessels	Rohde Nielsen	Denmark
Marc	Huygens	DEME	Belgium
Anders	Jensen	CEDA/DHI	Denmark
Rene	Kolman	IADC	Netherlands
Mark	Koningsveld, van	IADC/Van Oord	Netherlands
Astrid	Kramer	Boskalis Hydronamic BV	Netherlands
Joel	l' Her	CETMEF	France
Polite	Laboyrie	Witteveen+Bos	Netherlands
Helmut	Meyer	Federal Waterways and Shipping Agency, North Western Region Office	Germany
Arie	Noordijk	Port of Rotterdam	Netherlands
Rita	Ramos	Port of Lisbon	Portugal
Frederik	Roose	Flemish Government, Maritime Access	Belgium
Henrich	Roeper	Hamburg Port Authority	Germany
Teresa	Sa Pereira	Port of Lisbon	Portugal
Udo	Seidenkranz	Wasser- und Schifffahrtsamt Freiburg	Germany
Jos	Smits	IMDC	Belgium
Erik	van den Blom	Royal IHC Merwede BV	Netherlands
Andre	van Hassent	Port of Rotterdam	Netherlands
Marcel	Van Parys	Jan De Nul	Belgium

## CEDA white paper on integrated risk management

By a 'white paper' we mean a technical article that provides detailed information about a product or service. White papers have an objective, educational approach. However, unlike conference papers that must avoid commercialism, white papers can contain additional promotional material that offers a particular product or service as the favourable solution to a particular problem. By publishing a CEDA white paper on the CEDA website corporate members can reach a large portion of their target audience.

In September 2014 we published the white paper on integrated risk management - CSD ECO200 by CEDA corporate member Dredge Yard. The document can be downloaded from the "Resources" section of the CEDA website.

White Papers
Understanding Dredging

### CSD ECO200

Basel Yousef, Michel Debo, Kabi Eisa,  
John Irving Gica, Manish Jangir  
DREDGE YARD

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Date: September 2014

This publication reflects the opinions of the authors and does not necessarily reflect the opinions of the members of the Central Dredging Association.  
[www.dredging.org](http://www.dredging.org)

White papers can have commercial content.

## Books with discount for CEDA members



The newest addition of the list of books that can be ordered at special CEDA member discount price.

To allow us to offer CEDA members favourable discounts on relevant technical books we work closely with publishing companies to get the best deals. Books available at a CEDA member discount price

are listed in the 'Resources > Bookshop' section of the CEDA website, [www.dredging.org](http://www.dredging.org) and includes the most recent edition of Dredgers of the World (2014).

## Digital services

### CEDA websites and e-newsletters

The two CEDA websites, [www.dredging.org](http://www.dredging.org) and [www.cedaconferences.org](http://www.cedaconferences.org), as well as the CEDA Newsletter, are the most effective ways to keep members, and other stakeholders, informed about CEDA's activities. They also facilitate the sharing of dredging knowledge and information. More and more employees of CEDA corporate members are opening personal accounts so that they can receive CEDA e-notices and e-newsletters directly, even in the absence of the CEDA contact points for their organisations.

### CEDA website gets an update

This year saw the radical updating of the CEDA website [www.dredging.org](http://www.dredging.org). The aim was to make it a more useful, informative, and attractive resource for the CEDA membership, and our many other online visitors, and we hope it achieves its objectives.



The new CEDA website has been given a thoroughly modern update with improved functionality.

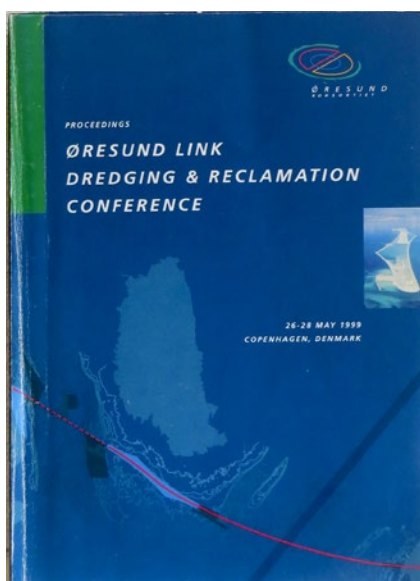
Not only does the new website look great, with a thoroughly modern design, it also has a highly improved functionality which makes it much easier for visitors to find their way around and access what they need. CEDA members will hopefully notice the differences that have been made to the newly designed members' area. It is now much easier for them to find and access restricted content, such as some guidance documents, section information, and conference proceedings.

The new site is a work in progress and the CEDA Secretariat would be pleased to hear your feedback on it. We would like visitors to the site to help us make sure that it continues to be the first port of call for our membership and for anyone looking for an authoritative dredging resource.

### CEDA proceedings online

Over 700 peer-reviewed conference papers, published in CEDA Dredging Days and WODCON conference proceedings, are available online on the CEDA website (Resources > CEDA publications online), and are readily accessible for CEDA members free of charge. For most of the papers the corresponding presentations from the conferences can be also viewed online, or downloaded, thereby bringing the content of the documents closer to the reader.

The online proceedings are also available to non-members who can access any full paper for €20.00.



*In 2014 we digitised and added the Proceedings of the Oresund Conference (1997) to the collection of online papers available from CEDA.*

### Social media

In autumn 2014 we launched our Twitter page (@CEDAdredging) and re-activated our LinkedIn page. The aim was to expand our reach and to enable members, and non-members, to connect, share ideas and stay up-to-date more easily.



*A promising start for CEDA.*

Those interested in dredging can communicate, start debates and network with each other, on three LinkedIn groups - CEDA, Young CEDA and CEDA-UK. Each group allows members to connect, and have meaningful dialogue, with like-minded professionals and associates in the industry.

While the start is encouraging, more work will need to be done in 2015 to develop these means of communication and ensure that they continue to add value for members and others.

### Services to corporate members

Corporate members of CEDA have the opportunity to promote their products and services directly to the membership. They can also reach a broader audience through publishing commercial white papers on the CEDA website, which we distribute via the CEDA e-newsletter and our social media channels including LinkedIn and Twitter.

The list of corporate members on the CEDA website, which includes hyperlinks to the companies' own websites, is one of the most frequently visited pages of the site.



## SPECIAL FEATURE: SEEKING SOLUTIONS

Lisa Maher of CEDA's official magazine, IHS Dredging and Port Construction (IHS DPC) caught up with three of the newest faces at the CEDA Environmental Commission (CEC) and asked them why participation is so important and what can it achieve. The interview in full length is reprinted here with the kind permission of IHS DPC.



**Astrid Kramer**

**Pieter de Boer**

**Rita Ramos**

Five new CEC members

- Astrid Kramer, Boskalis, replaces Gerard van Raalte
- Pieter de Boer, Rijkswaterstaat replaces Pol Hakstege
- Rita Silveira Ramos, Port of Lisbon Authority
- Henrich Roeper, Hamburg Port Authority, replaces Axel Netzband
- Mark Bollen, IMDC, replaces Jos Smits

Marine biologist Kramer, eco-engineer de Boer and geomatics engineer Ramos perfectly illustrate a point that Kramer made early on: "Biologists speak a certain language, as do engineers, regulators, etc. Problems arise when they just don't understand each other. So in some ways I'm a translator. There are a number of people on the CEC committee who are like that – we're all from different backgrounds and companies but we come together and translate for each other."

### **Drawing on diversity**

De Boer agreed: "It is the total picture that makes it interesting. However, my main interest is how to keep dredging (water management) possible in an environmentally-friendly and cost-effective way." He added: "I bring experience with, and knowledge about, Dutch projects – goals, planning, tendering/contracting, realisation

– and on the implementation of international and national environmental regulations. CEC provides [examples of] best practices and an international network of experts. This is important [and] efficient because it is very difficult to find all the relevant developments yourself. CEC offers a broad view on developments that are or could be relevant to dredging."

Ramos concurred: "We share problems, solutions and experience of projects [and] works. The best way to find innovative solutions is talking to others with expertise, who share the same problems.

That was echoed by Kramer: "I got involved because one of my colleagues has been on the committee for over 20 years but he's retiring so, when he asked if I'd take it on, I liked it because it allows me to be involved in different aspects of dredging which, day-to-day, I don't usually deal with."

She continued: "I have found it a useful way to learn – I gain from it. If there are projects here at work, or barriers we face, there's always someone on the committee who has seen the same thing so they all help. And we look at best practice and ways to apply that."

"Within CEC we discuss and monitor international developments on both dredging (projects, techniques) and environment and their relationship," de Boer noted. He got involved "because dredging is a very important means of water management in the Netherlands; [such] water systems are regarded as important 'environments'. Knowledge of this is important for water management and for my daily work. Also, we like to showcase our projects that we are proud of and get feedback."

Ramos noted: "[The] dredging department has followed CEDA's work and guidelines for a long time, and being part of this commission is recognition that our work matters. I've worked with dredging [projects] for more than 15 years and, in Portugal, we have to follow an entire dredging project from the design until the works, including the tender. So I hope that my experience can give the group a global vision of how it needs to integrate several aspects of a dredging project from the point of view of the port authority.

Kramer also highlighted the positive aspects of participating on the CEC: "I've only been to three meetings so far, but my aim is to bring in more feedback and more experience of projects worked. Half the committee is under 40 and half are women, so the CEC has many different backgrounds and opinions and experiences to draw on. It's not just marine biology – some are legislators or engineers. It is more diverse now – closer to the real world environment – which is its strength."



## Looking ahead

“Environment is not just the ecological environment,” she continued, “it is also the financial and social environment – which is where more efforts are needed over the next few years. Ecologists are interested in links, the interconnectedness; whereas engineers are more focused on quantification. Part of CEC’s role is to bring in other viewpoints by being aware and expanding and talking to different people. Building with Nature is a really good example – it looks at projects from lots of different angles. First you need to really understand the problem or project, then you can move to the design aspects.”

Asked if the current agenda was likely to change, de Boer suggested, “It is difficult to predict the future. I think the current agenda is addressing the most important issues, but I think that regulatory aspects [will] need to be on the agenda for a long time. I think that best practices could be made more important. Furthermore, the trend is towards an integrated approach, so more sectoral issues should disappear (for example, focusing solely on contamination of sediments should be something from the past).

Kramer agreed: “In the last decade, more elements have become an accepted part of the environmental

evaluation of a project – turbidity and contaminated sediment are now integral parts of what has to be considered. Increasingly, the effects of underwater sound and marine mammals are doing the same.”

Ramos agreed: “One of the issues that are under discussion that I consider more important is the dredging carbon footprint so it can be viewed in an integrated way within an entire project, not only the dredging, but by considering other aspects of a project.”

“The CEC has discussed its goals for the next 4-5 years – there are a lot of things it wants to achieve, but it’s difficult to get enough time to do them all. One thing I can do is inform my colleagues in my own organisation – present results, etc, but finding the time to do so...” Kramer added.

However, all three felt the CEC was a valuable resource for members – whether ports, consultants, contractors, or a government department. “CEC is actively seeking answers for members,” Kramer ended. “From my point of view, everyone benefits with CEC’s work,” said Ramos. “I think there are benefits for all kinds of members,” de Boer concluded.



# REPORTS FROM THE COMMISSIONS

## Educational Activities Commission (EAC)



**Cees van Rhee**  
Chair

As part of the new Strategy, the Board of CEDA is committed to strengthen CEDA's role in the creation, dissemination and exchange, of high-quality, unbiased, relevant and timely knowledge and best-practice experience.

This work will be carried out under the remit of the newly established Educational Activities Commission (EAC) and I am honored to be its first chair. We had our first meeting in November 2014 and it was an inspiring brainstorming session. First we deliberated on which initiatives and activities would bring the most value to CEDA members and to the wider dredging community. We then discussed issues that we could realistically work to improve, and the role that CEDA should, or could, play in them, given its resources and remit. We looked at how best we could:

- increase the pool of well-trained dredging specialists across the CEDA region of Europe, Africa, and Middle East;
- increase the number of indexed publications that were available on a broad range of dredging related subjects;
- facilitate scientific research and make it easier for the public to access and engage in the results.



The first meeting of the Educational Activities Commission, hosted by TU Delft, resulted in some excellent ideas (l to r): Arjan de Heer (Young CEDA rep, Royal HaskoningDHV - Netherlands), Johan Pennekamp (Deltares - Netherlands), Michael Costaras (HR Wallingford - UK), Cees van Rhee, Chair (TU Delft - Netherlands), Anders Jensen (DHI - Denmark), Dingeman van Woerden (TID - Netherlands), Yvonne Duivenman (CEDA - Netherlands).

We also discussed how to extend and/or modify our existing content platforms, and tap into the collective knowledge of participants, in order to more widely share the learning opportunities that they provide.

Cees van Rhee  
Chair Educational Activities Commission

## Environment Commission (CEC)



**Polite Laboyrie**  
Chair

In 2014 CEDA's Environment Commission met its goals to encourage a more sustainable approach to how developments in the dredging field interact with the environment; to share industry experiences; and to provide useful information on the possibilities for dealing with those issues. We had two inspiring meetings during the year. The first in the spring

in Deventer, the Netherlands, hosted by Witteveen+Bos Consulting Engineers, and the second in the autumn in Hamburg, hosted by the Hamburg Port Authority. Both meetings were well attended.



The CEDA Environment Commission in Hamburg, visiting the pilot project Kreesand (l to r): Ida Brøker (DHI - Denmark), Manfred Meine (HPA - Germany), Joel l'Her (Cerema - France), Andy Birchenough (Cefas - UK), Erik van der Blom (Royal IHC - Netherlands), Pieter de Boer (Ministry of Infrastructure and Environment - Netherlands), Rita Ramos (Port of Lisbon - Portugal), Frederik Roose (Ministry of Flemish Community, Maritime Access - Belgium), Katherine Harris (HR Wallingford - UK), Jos Smits (IMDC - Belgium), Mark Bollen (IMDC - Belgium), Teresa Teresa Sá Pereira (Port of Lisbon - Portugal), Astrid Kramer (Boskalis - Netherlands), Polite Laboyrie (Witteveen+Bos - Netherlands), Helmut Meyer (Water and Shipping Directorate Northwest - Germany), Henrich Roeper (HPA - Germany).

## CEDA representatives at international forums



**Andy Birchenough**  
Cefas, UK

- ◆ LONDON CONVENTION
- ◆ OSPAR



**Pieter de Boer**  
Ministry of Infrastructure and Environment, Netherlands

- ◆ EU WASTE DIRECTIVE



**Vera Breitung**  
German Federal Institute of Hydrology, Germany

- ◆ INTERNATIONAL COMMISSION FOR THE PROTECTION OF THE RIVER DANUBE



**Polite Laboyrie**  
Witteveen+Bos, Netherlands

- ◆ LONDON CONVENTION



**Noemi von Meijenfeldt**  
Witteveen+Bos, Netherlands

- ◆ EU MARINE STRATEGY DIRECTIVE SCG
- ◆ EU MARINE STRATEGY DIRECTIVE NAVI (UNTIL 1 NOVEMBER 2014)



**Marie Pendle**  
HR Wallingford, UK

- ◆ OSPAR INTERSESSIONAL CORRESPONDENCE GROUP MARINE STRATEGY DIRECTIVE



**Henrich Roeper**  
Hamburg Port Authority, Germany

- ◆ EU WATER FRAMEWORK DIRECTIVE NAVI
- ◆ EU MARINE STRATEGY DIRECTIVE NAVI



**Frank Thomsen**  
DHI, Denmark

- ◆ EU MARINE STRATEGY DIRECTIVE, TECHNICAL SUBGROUP UNDERWATER SOUND
- ◆ OSPAR INTERSESSIONAL CORRESPONDENCE GROUP NOISE



**Thomas Vanagt**  
eCoast, Belgium

- ◆ OSPAR

## A diverse and supportive membership

The CEC is fortunate to have members from Belgium, United Kingdom, Denmark, France, Germany, The Netherlands, Italy, Russia and Bulgaria. New is our member of Portugal from the Port of Lisbon. The membership represent governments, port authorities, consultants, contractors, dredging constructors and research institutes. The members themselves are also diverse, working as civil engineers, ecologists, mechanical engineers, and doctors in science. This variety helps to ensure there is sufficient knowledge, and experience, within the Commission to cover all the different subjects it deals with.

The CEDA members are very supportive of the CEC working groups. The working groups

are installed once the CEC has selected a subject, and formulated the Terms of Reference and an invitation. In 2014 we had working groups on: environmentally sound dredging through adaptive management; environmental monitoring procedures; and a WODA working group on underwater sound. Preparations have started on working groups on beneficial use and governance of dredging projects.



*There is a lot to cover in one-and half days.*

## Working in partnership

CEDA likes partnering and on 17<sup>th</sup> October CEDA Belgium and PIANC Belgium organized a seminar: Sustainable and Resilient Design and Management of Waterborne Transport Infrastructure. The CEDA and PIANC Environment Commissions presented their activities.

On 19<sup>th</sup> September members of the CEC attended the conceptual conference "Environmentally Friendly Port" in St. Petersburg, Russia. The event was organised by the Russian State Hydrometeorological University, followed by a PIANC EnviCom seminar where the PIANC report on Greenports - which was finished in 2014 and to which CEC contributed – was also presented.

The CEC also works closely with EUDA. A joint EUDA-CEDA session at the 2<sup>nd</sup> European Climate Change Adaptation Conference (ECCA) 2015, in Copenhagen, is currently in preparation. It is a joint initiative with a number of major European research projects and other stakeholders. The conference will cover a broad range of issues, related to climate change adaptation, and will place a greater emphasis on understanding and assessing adaptation in action under the theme: Integrating climate adaptation actions in science, policy, practitioners and business. The title of the EUDA-CEDA joint session will be: Sustainable Dredging Approaches to Climate Change Adaptation. A major contribution will come from our information papers on climate change adaptation and new 'adaptable' approaches such as adaptive management and monitoring.

Also with EUDA the CEC is preparing a workshop on how legislation affects dredging projects. This started as a follow up on a CEDA-EUDA-ESPO workshop on the implications of the EU Waste Directive on dredged material management. It was concluded that, instead of a workshop on existing legislation, it would be more useful to organise a workshop on how to develop better, simpler rules.

The CEC continues to play a proactive role in the London Convention, the Oslo and Paris Convention, and in EU-policy advising groups. We use our experience and knowledge to help ensure that policy and legislation is based on the best available knowledge and that any early mistakes are not repeated. These advisory bodies focus on relevant items including: new assessment guidelines for the handling of dredged material; and dealing with underwater sound and seafloor integrity. We are also involved in discussions on what constitutes a good environmental status. Members of the CEC join in these discussions and their contributions are very much appreciated.



Andy Birchenough (Cefas - UK) gave a presentation entitled "WODA's experiences with coastal resilience" during the Science Day of the London Convention Scientific Group meeting. Here he runs through the presentation for the CEC.

In the London Convention Scientific Group meeting held in May 2014, in New Orleans, USA, presentations on technical guidance on underwater sound; and information papers on ecosystem services, and the WODA principles of sustainable dredging were given. The presentations were well received. Underwater sound was noted by delegates to be an emerging issue worthy of additional work. A good discussion on the principles of sustainable dredging followed the presentation. A few years ago CEDA was commissioned by the London Convention to develop the Low-tech Waste Assessment Guidelines. Now the London Convention has agreed to establish an Intercessional Correspondence Group on the Development of Guidance on Low-technology Field Monitoring. CEDA (WODA) will have a role in this Group.



Until 2014 Cor Schipper, from Deltares, was representing CEDA on the Environmental Impacts of Human Activities Committee (EIHA) meeting of OSPAR. The CEC has been lucky to find Thomas Vanagt, from eCoast Belgium, to replace him. During the year the EIHA adopted the revised Dredged Material Guidelines and our remarks and comments were taken into account.

The EU Marine Strategy Framework Directive (MSFD) provides the legislative basis and sequence of steps for EU Member States to establish national marine strategies to achieve or maintain Good Environmental Status (GES). CEDA, represented by Noemi von Meijenfheldt from Witteveen+Bos, chaired the NAVI group. The NAVI group is a stakeholder group which can give input to the EU on this legislative process. In 2012 Member States submitted their initial assessment of their marine environment, to the European Commission, to provide the baseline for the state of the environment and for determining what is considered to be “good environmental status”. This assessment also identified what is required in terms of environmental targets to guide progress from the present state to GES. As part of this implementation process all Member States are obliged to submit a report on their Programmes of Measures to the European Commission by the end of 2015.

### A more environmental approach

These days there is a new attitude towards the environment. It is no longer the case that a civil structure is designed and the effects are calculated and mitigated afterwards. Nowadays the environment and society are expected to be an integral part of the design process. Design principles such as building with nature, working with nature, and even engineering with nature are becoming the norm worldwide. Even in new legislation and guidelines these principles have become accepted and, what is more, are used. As a result of this change in attitudes the CEC, together with IADC, started to develop a new book as a successor to the book “Environmental Aspects of Dredging” which will be based on these new design principles. An Editorial Advisory Board was set up to guide the process, and in October a workshop with experts from CEDA and IADC was organized in Hamburg to give direction and input to the book.

Polite Laboyrie  
Chair Environment Commission

### Thank you!

We would like to extend our thanks to Noemi von Meijenfheldt, who stepped down as Chair of the Marine Strategy Navigation Group at the end of 2014. She was also the CEDA representative on the EU Marine Strategy Co-ordination Group and its Working Group Good Environmental Status since 2011. In that capacity Noemi has attended several meetings of the CEDA Environment Commission and took part in its work.

CEC greatly appreciated Noemi's dedication and professionalism and the regular updates, in particular those to the CEDA membership on the MSFD implementation process and issues relevant to the dredging community. We also greatly valued her efforts in soliciting, collating and bringing CEDA knowledge and experience into the MSFD implementation process.

This work has put a considerable demand on Noemi's time, and the Board of CEDA is also very grateful to Noemi's employer, Witteveen+Bos, the Netherlands for making this possible.



## Strategy Commission



**Wim Klomp**  
Chair

Based on the results of the ground-work completed in 2013, which included a Strategy workshop, WODCON XX delegate interviews, and several discussions, with amongst others the CEC, we revised the CEDA Strategy 2009. We also developed the CEDA Strategic Action Plan 2014 – 2018 and both documents were adopted by the Board in October 2014.

The new strategy document, Leading the Way in Dredging: CEDA Strategy 2014, preserves the original values and aims of CEDA. It embodies our achievements and reflects the current times and changing needs of our members.

The CEDA Strategic Action Plan 2014 – 2018, builds on CEDA's existing base of activities and capabilities in three key areas:

- CEDA's role in knowledge dissemination and exchange;
- Increasing the value of CEDA membership, in particular, by introducing new benefits for Corporate Members;
- Extending our presence and operations into the digital world.



*Strategy Commission during their fall meeting hosted by Tideway in Breda (l to r): Wim Klomp (Royal HaskoningDHV - Netherlands), Daan Rijks (Boskalis - Netherlands), Polite Laboyrie (Witteveen+Bos - Netherlands), Stefan Bruggeman (Jan De Nul - Belgium), Arjan de Heer (Young CEDA rep, Royal HaskoningDHV - Netherlands), Bart Verboomen (Baggerwerken Decloedt & Zoon N.V. - Belgium)*

Based on the Strategic Action Plan, which is an organic document, the Strategy Commission develops annual action plans for consideration and endorsement by the Board, monitors progress and evaluates results.

Wim Klomp  
Chair Strategy Commission

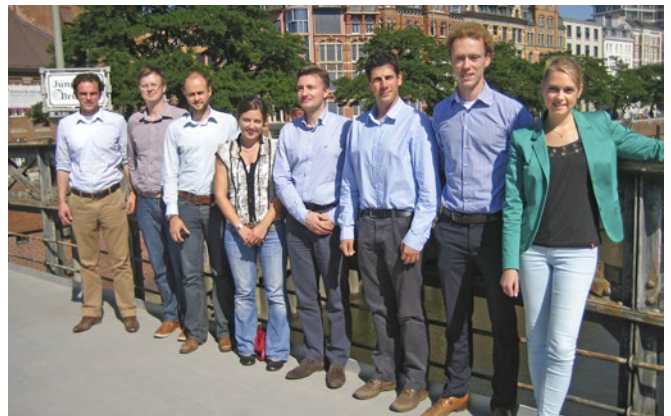
## Young CEDA Commission (YCC)



**Arjan de Heer**  
Chair

Young CEDA aims to organise events to involve young professionals and students in the dredging industry. Technical excursions, seminars and CEDA club evenings act as a platform to meet with other young people and extend their network with experienced professionals. In the past year Young CEDA focused on organising events in four countries and setting out their strategy for the longer term.

### Young CEDA Commission and participation in other CEDA commissions



*Young CEDA Commission during their meeting in Hamburg (l to r): Arjan de Heer (Young CEDA rep, Royal HaskoningDHV - Netherlands), Henrich Roeper (Hamburg Port Authority - Germany), Joris Santermans (IMDC - Belgium), Katherine Harris (HR Wallingford - UK), Nicolas Hibert (DEME - Belgium), Stefan Bruggeman (Jan De Nul - Belgium), Roderik Hoekstra (Deltares - Netherlands), Stefanie Nasner (Hamburg Port Authority - Germany).*

The countries represented in YCC are Germany, Belgium, United Kingdom and the Netherlands. We managed to have all these countries represented by at least two people. We welcomed two new members: James Spragg from Boskalis, UK, and Christoph Tiggesbäumker from HPA, Germany. All commission members also take part in other CEDA commissions in order to maximise the exposure of Young CEDA within our organisation. For the Technical Paper Committee for the Dredging Days 2015, Jordan Gillepsie, from Boskalis, UK, will act as our representative.

## Young CEDA events



Touring Port of Antwerp.

**Antwerp:** On 31 March, a group of 30 students from the Universities of Gent and Antwerp made a visit to the Amoras Plant in Antwerp. On board their tour vessel, presentations were given on working in the dredging industry in general and the Amoras Plant in particular. The event finished with a tour around the Port of Antwerp and plenty of time for networking.



Time to make new friends and to catch up with old ones.

**Delft:** The Delft University of Technology hosted an evening seminar, on 2 June, for students from Delft and the Universities of Applied Sciences from The Hague and Rotterdam. The seminar was chaired by Professor Cees van Rhee and included the following presentations:

- Science Rocks: Research as a First step in your Dredging Career, by Jort van Wijk, IHC;
- Engineering in Practice, by Wouter Ockeloen, Van Oord;
- Sustainability in Hydraulic Engineering, by Jaap van Thiel de Vries, Boskalis; and
- Working for a Medium-sized Dredging Contractor, by Pim van Leeuwen and Hans Wortelboer, Dutch Dredging.

65 people attended including representatives from CEDA member companies.

**Hamburg:** This excursion was organised for five universities in the region of the Port of Hamburg on 6 June. A group of 30 students was invited for a boat tour through the Port of Hamburg, including viewing some operational dredging equipment, and a visit to the METHA Plant. While on board attendees were treated to presentations on working in the dredging industry, the port's sediment



Wouter Ockeloen (Van Oord – Netherlands) tells about the projects he has been involved as a coastal engineer since he graduated in 2007 including work in Denmark, Dubai, Sri Lanka and India.



Students from five universities participated in the meeting in Hamburg.

management programme, and the sediment treatment plant METHA.

**Portsmouth:** A group of 35 people joined an evening seminar at the University of Portsmouth on 6 October. Dredging-related courses are not generally part of the university programme so this event provided the perfect opportunity to hear from a variety of people working in the dredging industry, followed by the opportunity for further discussion and networking. Presentations given were:

- The Marine Management Organisation and Marine Licensing, by Matthew Kinmond, MMO;
- Dredging and Reclamation Works, by Gert Jan Peters, Boskalis; and
- Survey and Monitoring Works in the Dredging Industry, by Mark Lee, HR Wallingford.

For a smaller group of 11 people, an excursion was organised, on 10 October, to the Southampton

*Visiting the Southampton Approach Channel Dredging Project.*

Approach Channel Dredging Project. The aim of the programme was to see a dredging project in operation from close up. The programme included a boat tour through the port to see trailer suction hopper dredger Willem van Oranje in action.

### Long term strategy and events

For announcement of our activities, and events, and to improve communications with our members, Young CEDA has followed CEDA's lead and uses the CEDA website, the Young CEDA LinkedIn group, and Twitter for our communications.

For the longer term it is relevant to keep young people interested in the dredging industry and to keep them interested to get involved with (Young) CEDA. Next to country events, Young CEDA aims to be well-represented at the Dredging Days 2015. We aim to organise a special programme for our target group and a networking event.

Arjan de Heer  
Chair Young CEDA





# FINANCES

## Balance sheet 2014

Expenditures	€ x 1.000	Income	€ x 1.000
Office and governance	47.6	Membership fees	
Staff	124.5	- Individual members	31.9
		- Corporate members	214.2
		Interest and exchange diff.	6.9
Environment Commission	2.7	Sponsorship	2.2
Young CEDA	3.2	African Section	0.0
Services and DPC subscriptions	55.5		
National sections			
- African Section	0.0		
- Belgian Section	12.5		
- British Section	6.5		
- Netherlands Section	12.8		
Promotion CEDA and its Corporate Members	7.5		
Provisions	0.0		
<b>Total</b>	<b>272.8</b>	<b>Total</b>	<b>255.2</b>
<b>Result</b>			<b>-17.6</b>
<b>Reserves</b>			<b>485.3</b>

## Figures

Individual CEDA members:	456
Corporate CEDA members:	123
National section meetings:	11
Expenditures 2014:	272.800
Budget 2014:	253.600



## OBJECTIVES FOR 2015

We are looking forward, in 2015, to continuing our programme of activities within the National Sections, the International Conventions, and relevant bodies in the European Commission.

- One particular highlight of the coming year is the return of our signature conference and exhibition, CEDA Dredging Days. If the outstanding response to the call for papers is any indication, so far, we anticipate a great event with excellent learning and networking opportunities.
- We will also continue our work on underwater sound in relation to dredging, in partnership with our sister associations under WODA. As part of that work there will be a workshop, in Paris in the spring, to present WODA's most up-to-date Technical Guidance to an audience of scientists, policy makers and other industry stakeholders.
- The newly established Educational Activities Commission will lead on how CEDA, as an organisation, can meaningfully contribute to dredging education as a whole. The Commission is very much in the preliminary stages but will aim to consider how best to: nurture a growing pool of dredging specialists in the region; publish a broader range of indexed dredging and related titles; and generally foster a public appreciation of dredging.
- Young CEDA is committed to continuing its popular programme of meetings in different countries. They will also follow up on the earlier successful initiative of involving students in the CEDA Dredging Days.



- In co-operation with IADC we will work closely with the authors of the new book Sustainable Dredging (working title) which we aim to publish in the first part of 2016.
- The Environment Commission will set up two new working groups to produce information, and/or position papers. One will focus on the beneficial use of dredged material and share recent best practice experience, and the other will focus on governance of dredging projects.
- We will be canvassing our members on their expectations, or lack thereof, around CEDA getting actively involved in deep-sea mining, and offshore energy, in the context of dredging.
- We will increase our efforts on Twitter and LinkedIn with the aim of extending the opportunities for interaction and professional exchange between members and others.



*Peter de Graaf (Royal IHC – Netherlands) presents the findings of the Audit Committee at the 36<sup>th</sup> Annual General Meeting in Brussels.*

As always, our thanks are extended to our members for helping us to accomplish so much in 2014. The CEDA Secretariat and Board appreciate that we can only achieve our objectives through the dedication and enthusiasm of the membership. We look forward to their continued support and valuable input during 2015.

# ORGANISATION

## CEDA Board of Directors

CEDA is governed by the Board of Directors, which generally meets twice a year. Elections are held every two years. After the most recent election in November 2013 and one interim retirement during the year, the Board of Directors counts 15 members from five countries. The next election will take place in November 2015. In the November meeting Polite Laboyrie (Witteveen+Bos, the Netherlands), has been elected as the next CEDA President. Mr Laboyrie will succeed the current President, Anders Jensen, DHI, in November 2015. Until then he continues to fulfil his role as Chair of the CEDA Environment Commission.

## CEDA Annual General Meeting

The Annual General Meeting (AGM) in 2014 took place on 17<sup>th</sup> October, in Brussels, Belgium, and was hosted by the Ministry of the Flemish Community, Maritime Access Division. The AGM followed the joint seminar of the Belgian Sections of CEDA and PIANC entitled Sustainable and Resilient Design and Management of Waterborne Transport Infrastructure. On this occasion the President's and Secretary/Treasurer's reports were presented by Johan Pennekamp, Vice-President CEDA (Deltares – the Netherlands). Peter de Graaf (Royal IHC - the Netherlands) presented the findings of the Audit Committee. The other two members on the Audit Committee were Rikke van Berk (Independent Consultant – the Netherlands) and Lynyrd de Wit, (Svasek – the Netherlands).

## CEDA Secretariat

The day-to-day management of CEDA is carried out by a permanent secretariat based in Delft, the Netherlands. In 2014 CEDA employed two staff members with 1.63 full-time equivalents: Anna Csiti, general manager and Yvonne Duivenman, administrative assistant. Mark Luchs, MSc student at the Delft University of Technology, supported the Secretariat on a part-time basis. The main areas of work for the secretariat include (but are not limited to):

- Planning, managing, executing and supporting, the execution of various CEDA projects;
- Overseeing, organising and assisting, CEDA activities including CEDA Dredging Days, seminars and conferences;
- Supporting the Board of Directors and the various CEDA commissions;
- Acting as CEDA's contact point for other related organisations, individuals and national sections;
- Developing and maintaining the online presence of CEDA;
- Managing CEDA's financial and operational administration;
- Membership administration;
- Acting as the secretariat for the Dutch Section.

In addition to the central CEDA Secretariat, every national section organises its own national secretariat.



*The spring meeting hosted by the Delft University of Technology, members of the Board visited the laboratories of the Section Dredging Engineering (l to r): Michael Costaras (HR Wallingford – UK), Loek Verheijen (Royal IHC – Netherlands), Eric Van den Eede (Vandee Consult – Belgium).*



## CEDA VOLUNTEERS

A word of thanks is due to all the volunteers who work for the benefit of CEDA. We pay tribute to all those silent and sometimes not so silent workers who give up their free time to contribute to CEDA's successes. In many cases, their employers allow them to do part of this work in their company's time, so we express our gratitude to those companies too.

In 2014 the staffing of CEDA's voluntary-based units was as follows:

### Standing bodies

#### Board of Directors

##### *Elected members*

**Michael Costaras**, HR Wallingford, UK

**Kathleen De Wit**, IMDC, Belgium

**Claudia Flecken**, Hamburg Port Authority, Germany

**Wim Klomp**, Royal HaskoningDHV, the Netherlands  
(*Chair Strategy Commission*)

**Anders Jensen**, DHI (*President*)

**Lindsay Murray**, Independent Consultant, UK  
(*Vice-President*)

**Johan Pennekamp**, Deltares, the Netherlands  
(*Vice-President, Chair CEDA-Netherlands Executive Committee*)

**Cees van Rhee**, Delft University of Technology, the Netherlands (Secretary/Treasurer, Chair Educational Activities Commission, Chair Technical Papers and Programme Committee CEDA Dredging Days 2015)

**Daan Rijks**, Royal Boskalis Westminster, the Netherlands

**Jan Vandenbroeck**, S.D.I. (*DEME*), France

**Eric Van den Eede**, Vandee Consult (*Chair CEDA-Belgium Executive Committee*)

**Bart Verboomen**, Baggerwerken Decloedt & Zn (*DEME*), Belgium

**Loek Verheijen**, IHC Dredgers, the Netherlands

##### *Ex officio members*

**Arjan de Heer**, Royal HaskoningDHV, the Netherlands  
(*Chair Young CEDA*)

**Polite Laboyrie**, Witteveen+Bos, the Netherlands (*Chair Environment Commission - CEC*)

#### *General Manager*

**Anna Csiti**, the Netherlands

#### *Alternates to Board Members*

**Klavs Bundgaard**, DHI, Denmark

**Thibault van Craen**, S.D.I. (*DEME*), France

**Helmut Meyer**, Federal Waterways and Shipping Administration, Germany

**Dirk Roukema**, Blue Pelikan, the Netherlands

**Denis Seuryneck**, Dredging International (*DEME*), Belgium

**Martin van Ommen**, Royal IHC, the Netherlands

#### **Environment Commission - CEC**

**Andrew Birchenough**, Cefas, UK (*Vice-Chair*)

**Eric van der Blom**, Royal IHC, the Netherlands

**Pieter de Boer**, Ministry of Infrastructure and Environment Centre for Public Works, the Netherlands

**Mark Bollen**, IMDC, Belgium (*from October 2014*)

**Ida Brøker**, DHI, Denmark

**Anna Csiti**, CEDA, the Netherlands

**Katherine Harris**, HR Wallingford, UK

**Astrid Kamer**, Royal Boskalis Westminster, the Netherlands

**Polite Laboyrie**, Witteveen+Bos, the Netherlands (*Chair*)

**Igor Liska**, International Commission for the Protection of the Danube River, Austria

**Helmut Meyer**, Federal Waterways and Shipping Administration, Germany (*Vice-Chair*)

**Olivier Piet**, CETMEF, France

**Heinrich Roeper**, Port of Hamburg, Germany

**Frederik Roose**, Ministry of the Flemish Community, Belgium

**Michael Shilin**, Russian State Hydrometeorological University, Russia

**Rita Silveira Ramos**, Port Authority of Lisbon, Portugal  
(*from October 2014*)

**Jos Smits**, IMDC, Belgium (*until October 2014*)

**Emmanuele Zanutto**, eAmbiente, Italy

#### *Corresponding Members*

**John Dobson**, EADA, Australia

**Valerie Penchev**, Black Sea Coastal Association, Bulgaria

**Craig Vogt**, Ocean and Coastal Protection Division, USA

**Shuho Yano**, Mitsubishi Heavy Industries, Japan

#### *Alternates to CEC members*

**Stefan Aarninkhof**, Royal Boskalis Westminster, the Netherlands

Joël L'Her, CETMEF, France  
Birgit Schubert, Federal Institute of Hydrology, Germany

**Retiring from the Commission in October 2014  
with special thanks for his contribution was:**

Jos Smits, IMDC, Belgium

**Strategy Commission - CSC**

Anna Csiti, CEDA, the Netherlands  
Arjan de Heer, Royal HaskoningDHV, the Netherlands  
Wim Klomp, Royal HaskoningDHV, the Netherlands  
*(Chair)*  
Polite Laboyrie, Witteveen+Bos, the Netherlands  
Bart Verboomen, Baggerwerken Decloedt & Zn (DEME),  
Belgium

**Communications Commission - CCC**

Anna Csiti, CEDA, the Netherlands  
Kathleen De Wit, IMDC, Belgium *(Chair until March  
2014)*  
Martin van Ommen, Royal IHC, the Netherlands  
Bart Verboomen, Baggerwerken Decloedt & Zn (DEME),  
Belgium

**Young CEDA**

Stefan Bruggeman, Jan De Nul, Belgium  
Katherine Harris, HR Wallingford, UK  
Nicolas Hibert, Dredging International (DEME), Belgium  
Arjan de Heer, Royal HaskoningDHV, the Netherlands  
Roderik Hoekstra, Deltares, the Netherlands  
Jaco den Hoed, Royal IHC, the Netherlands  
Joris Santermans, IMDC, Belgium  
James Spragg, Boskalis Westminster Limited, UK  
Christoph Tiggesbäumker, Hamburg Port Authority,  
Germany

**CEDA-Africa Executive Committee**

Mulud Abudib, Drapor, Morocco *(Chair)*  
Fogan Kodjo Adegnon, Port Authority of Lome, Togo  
Felix Blutna Nandungue, Administration Des Port  
"Apgb", Guinee Bissau  
Mohamed Choura, SEACNVS, Tunis  
Sidi Mohamed Ould Didi, Ministere, Mauritania  
Cheikh Nema Ahmed, BACS, Mauritania  
Ahmed El Omari, Morocco  
Abdelkebir Hmimou, Drapor, Morocco  
Ahmed Lofti, Institution for Port Construction, Morocco

**Retiring from the Executive Committee  
in June 2014 with special thanks for his  
contribution was:**

Abdelkebir Hmimou, Drapor, Morocco

**CEDA-Belgium Executive Committee**

Randi Lheureux, Jan De Nul  
Martin Ockier, Dredging International (DEME)  
Jos Smits, IMDC  
Renaat De Sutter, Antea Group  
Eric Van den Eede, Vandee Consult *(Chair)*  
Bart Verboomen, Baggerwerken Decloedt & Zn (DEME)  
Francis Verhees, Jan De Nul

**CEDA-Netherlands Executive Committee**

Aline Arends, Ministry of Infrastructure and Environment  
Ivar Daemen, Van Oord Dredging & Marine Contractors  
Kees van de Graaf, Dutch Dredging  
Marcel van Hoogstraten, Boskalis Nederland  
Johan Pennekamp, Deltares *(Chair)*  
Dirk Roukema, Blue Pelican Associates  
Loek Verheijen, Royal IHC

**Alternate:**

Roderick Hoekstra, Deltares

**CEDA-UK Executive Committee**

Andy Birchenough, CEFAS  
John Brien, Harwich Haven Authority  
Nicola Clay, Royal HaskoningDHV *(Chair)*  
Michael Costaras, HR Wallingford  
Nick Everington, The Crown Estate  
Paul Hesk, Van Oord Ltd  
John Hughes, Dredging International UK Ltd  
Payam Foroudi, Halcrow Group  
Lindsay Murray  
Colm Sheehan, Anthony D Bates Partnership  
Will Shields, Boskalis Westminster Ltd  
Nick Smith, Canal & River Trust *(Vice-Chair)*

**Alternate:**

Sarah Cooper, RSPB  
Nick Hodder, HR Wallingford  
Martin Maloney, Anthony Bates Partnership

**Retiring from the Committee in 2014 with  
special thanks for his contribution was:**

John Hughes, Dredging International

## Temporary committees and working groups

---

### Audit Committee 2014

**Rikke van Berk**, Independent Consultant, the Netherlands

**Peter de Graaf**, Royal IHC, the Netherlands

**Lynrd de Wit**, Svasek, the Netherlands.

### Advisory Group for the EU Waste Directive

**Pieter de Boer**, Ministry of Infrastructure and Environment (*Chair*)

**Henrich Röper**, Hamburg Port Authority, Germany

**Nick Smith**, British Waterways, UK

### CEDA Dredging Days 2015: Technical Papers and Programme Committee

**Cees van Rhee**, Delft University of Technology, the Netherlands (*Chair*)

**Erik van der Blom**, IHC, the Netherlands

**Anna Csiti**, CEDA, the Netherlands

**Renaat De Sutter**, Antea Group, Belgium

**Jordan Gillespie**, Young CEDA representative, Royal Boskalis Westminster, UK

**Henrich Röper**, Hamburg Port Authority, Germany

**Colm Sheehan**, Anthony D Bates Partnership, UK

### Editorial Board CEDA-IADC Handbook “Sustainable Dredging” (working title)– CEDA representatives

**Andrew Birchenough**, Cefas, UK (*until June 2014*)

**Anna Csiti**, CEDA, the Netherlands

**Katherine Harris**, HR Wallingford, UK (*from June 2014*)

**Polite Laboyrie**, Witteveen+Bos, the Netherlands (*from June 2014*)

**Anders Jensen**, DHI, Denmark (*Chair*)

### Working Group on Adaptive Management

**Christine Adnitt**, Royal HaskoningDHV, UK

**Marijn Huijsmans**, Witteveen+Bos, the Netherlands

**John Kirkpatrick**, HR Wallingford, UK

**Ram Mohan**, Anchor QEA, LLC USA (*corresponding*)

**Gerard van Raalte**, Boskalis/Hydronomic, the Netherlands (*Chair*)

**Henrich Röper**, Hamburg Port Authority, Germany

**Marcel Van Parys**, Jan De Nul, Belgium

**Craig Vogt**, Craig Vogt Inc, USA (*corresponding*)

### Working Group on Environmental Monitoring Procedures

**Ida Brøker**, DHI, Denmark (*Chair*)

**Steve Challinor**, Royal Haskoning DHV, UK

**Andrew Costen**, BMT WBM Pty Ltd, Australia (*corresponding*)

**Rebecca Gardner**, Anchor QEA AS, Norway

**Frederik Goethals**, Dredging International, Belgium

**Mark Lee**, HR Wallingford, UK

**Dafydd Lloyd Jones**, Marine Space Ltd, UK

**Ulrik Lumborg**, DHI, Denmark

**Frederik Roose**, Ministry of Flemish Community, Division Maritime Access, Belgium

**Marcel Van Parys**, Jan De Nul, Belgium

### CEDA representatives on international bodies

---

#### IMO: London Convention (1972) and Protocol (1996)

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**Polite Laboyrie**, Witteveen+Bos, the Netherlands

#### OSPAR Commission

**Cor Schipper**, Deltares, the Netherlands (*until April 2014*)

**Thomas Vanagt**, eCoast, Belgium (*from June 2014*)

#### Intersessional Correspondence Group for the Marine Strategy Framework Directive

**Marie Pendle**, HR Wallingford, UK

#### Intersessional Correspondence Group Underwater Noise

**Frank Thomsen**, DHI, Denmark

#### International Commission for the Protection of the Danube River - ICPDR

**Vera Breitung**, Federal Institute on Hydrology (*BfG*), Germany

#### European Commission: Marine Strategy Framework Directive

#### Strategic Co-ordination Group (SCG)

**Noemi von Meijefeldt**, Witteveen+Bos, the Netherlands (*until October 2014*)

### **SCG Working Group Good Environmental Status (GES)**

Noemi von Meijenfeldt, Witteveen+Bos, the Netherlands (until October 2014)

### **SCG WG GES Technical Subgroup Underwater Noise**

Frank Thomsen, DHI, Denmark

### **European Commission: Waste Directive – H14 Working Group to Developing Criteria for distinguishing hazardous / non hazardous waste**

Georg Reifferscheid, Federal Institute on Hydrology (BfG), Germany

### **Water Framework Directive Navigation Task Group – WFD NAVI**

Henrich Röper, Hamburg Port Authority, Germany

### **Marine Strategy Navigation Group – MSFD NAVI**

Anna Csiti, CEDA, the Netherlands

Noemi von Meijenfeldt, Witteveen+Bos, the Netherlands (Chair until October 2014)

Henrich Röper, Hamburg Port Authority, Germany

### **PIANC Environment Commission**

Anna Csiti, CEDA, the Netherlands

Polite Laboyrie, Witteveen+Bos, the Netherlands

### **PIANC EnviCom WG 157: Environmental Aspects of Dredging and Port and Waterway Construction around Coastal Plant Habitats**

Matthew James Jury, DHI (S), Singapore

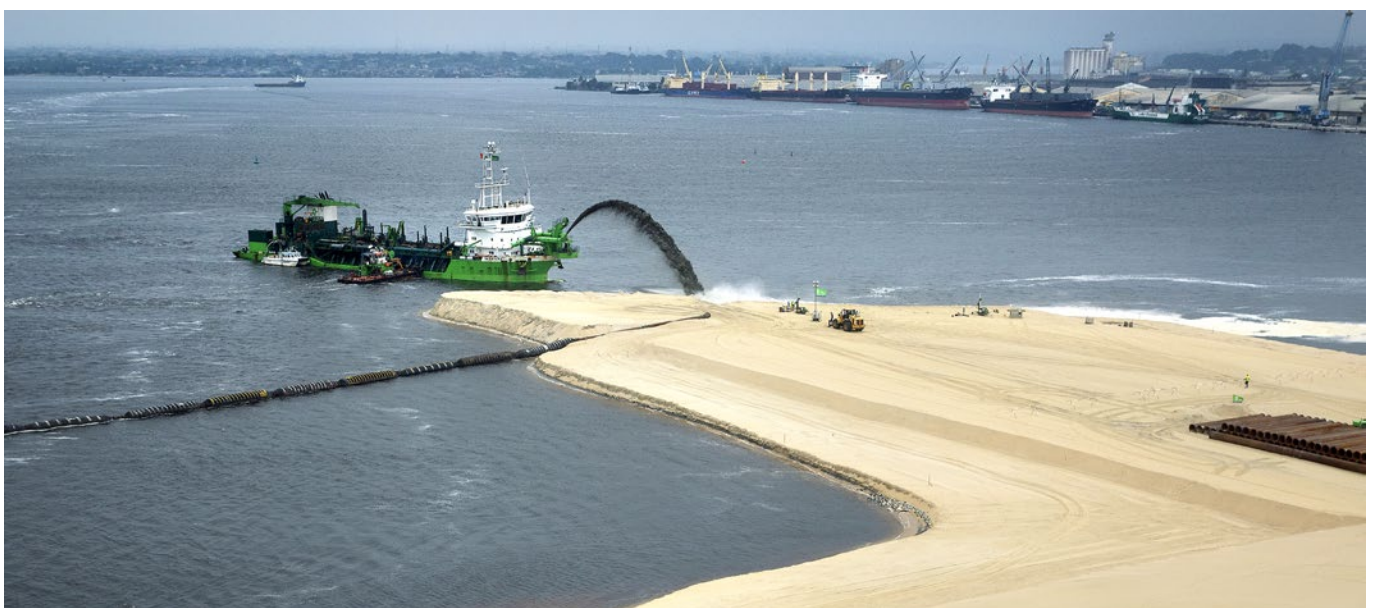
### **PIANC Marcom WG136: Recommendations for Sustainable Maritime Navigation**

Steve Challinor, Royal HaskoningDHV, UK

## ACKNOWLEDGEMENT

CEDA, as a small and independent organisation, can neither exist nor survive without the support of its members – especially its corporate members. This support is not only financial, in the form of membership fees and sponsorship. It is also manifested by member companies and organisations endorsing their employees' active participation in CEDA's work, through their membership in various commissions, committees and task groups.

The CEDA Board of Directors wishes to express its sincere gratitude to the following companies and organisations which, through their corporate membership, contributed to CEDA's work and achievements in the 2014.







# THE CORPORATE MEMBERS OF CEDA

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NETHERLANDS



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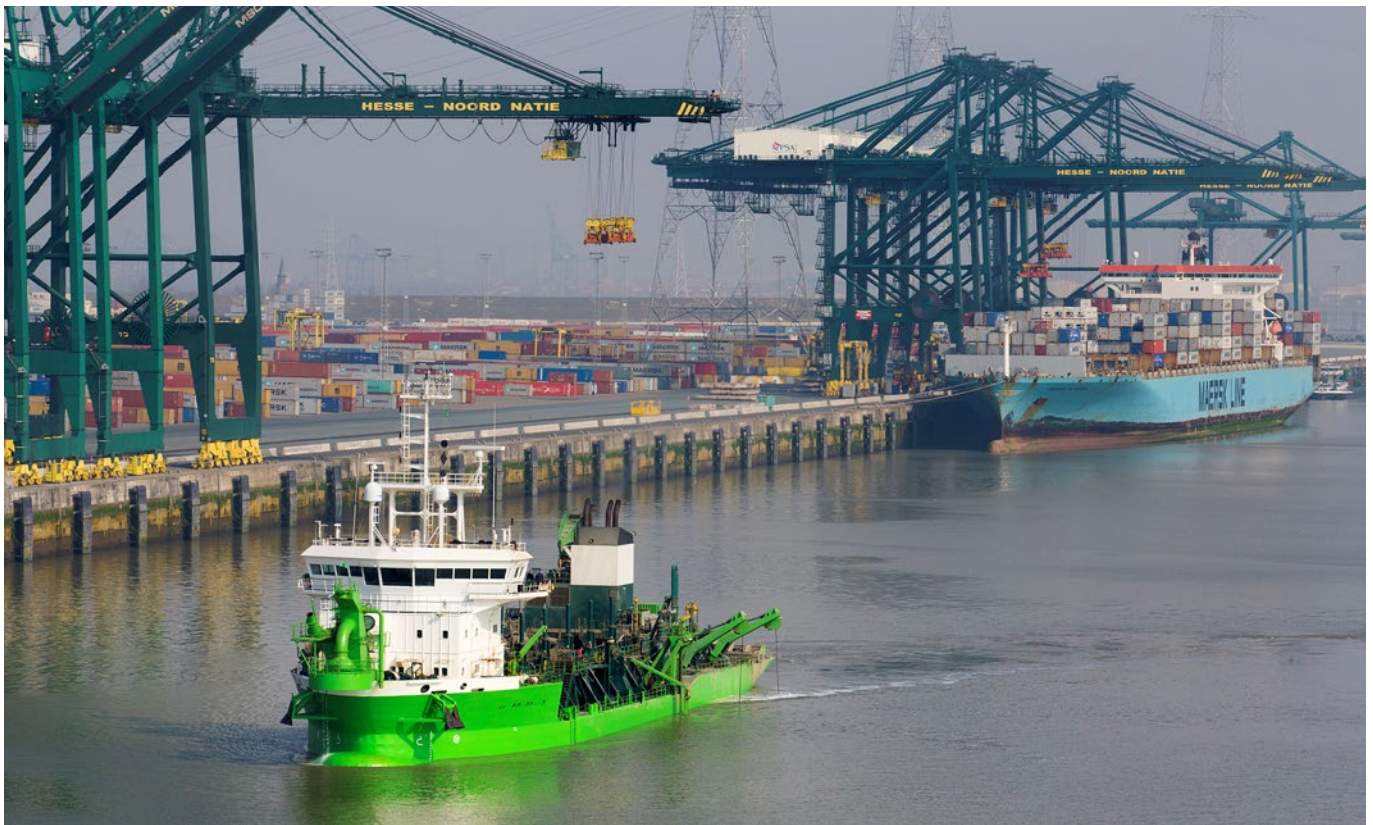
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