



Annual Report 2011



Central Dredging Association

Understanding Dredging



Message from the President and the General Manager	1
About CEDA	2
Membership	3
National Sections	5
Events	10
Services	15
In the Focus: The Two CEDA Working Groups	19
Special Feature: A Low Technology Approach to Dredged Material Management	22
Commissions	23
Finances	28
Figures	28
Objectives for 2012	29
Organisation	29
CEDA Volunteers	31
Thank you	33
Corporate Members of CEDA	34

MESSAGE FROM THE PRESIDENT AND THE GENERAL MANAGER

Amid all the challenges of the global economy, year 2011 was a good year for our association. Among our many achievements the following stand out:

- **Record breaking attendance at our flagship conference, the CEDA Dredging Days “Dredging and Beyond”.** This conference powerfully demonstrated that dredging is no longer a stand-alone exercise but is rather becoming part of a broader, more integrated project realization process.
- **The launch of the CEDA Digital Library.** This allows members and others to have prompt access to a wealth of dredging knowledge including high-quality, peer-reviewed technical papers and CEDA conference proceedings – a big leap forward towards fulfilling our objective to be an easily accessible up-to-date knowledge centre on dredging.
- **The publication of the CEDA Position Paper “Underwater Sound”.** This document has been received with great interest from within as well as outside CEDA. We are rightly proud of the pro-active and scientifically sound approach presented by this document on a very timely subject.
- **Engaging a larger number of members in CEDA’s work.** Our success in this area is very encouraging. It shows that while there is considerable demand on our members’ time, CEDA offers an appreciated unique platform in which it is worthwhile to invest a portion of this highly valuable commodity.
- **Increasing CEDA’s value as a networking platform by attracting members from new fields.** The offshore oil and gas industry as well as the deep sea mining business move to more offshore and into deeper waters and are increasingly relying on dredging services, specialized equipment and know-how. While a lot remains to do, we have made important first steps towards attracting professionals into our community.

We are grateful to our members who enthusiastically dedicated their time and expertise towards these achievements and many others described in this report. The support of their companies, organizations making their work for CEDA possible is just as much appreciated.

Anders Jensen
CEDA President

Anna Csiti
General Manager



Anders Jensen, CEDA
President



Anna Csiti,
General Manager

ABOUT CEDA

The Central Dredging Association (CEDA) is an internationally recognised independent professional association. It is an easy-to-access leading platform for the exchange of knowledge and an authoritative reference point for impartial technical information. Strongly recommending working with nature, CEDA actively strives to contribute towards sustainable development. CEDA members are corporations, professionals and stakeholders involved in a diversity of activities related to dredging and marine construction.

Mission

CEDA's mission is to be an independent, easy-to-access, leading platform for corporations, professionals and stakeholders involved in any kind of activity related to dredging and marine construction. Through CEDA's programmes, products and services to members, it aims to advance professional development and corporate and personal success. It fosters technological innovation and advances in best practice.

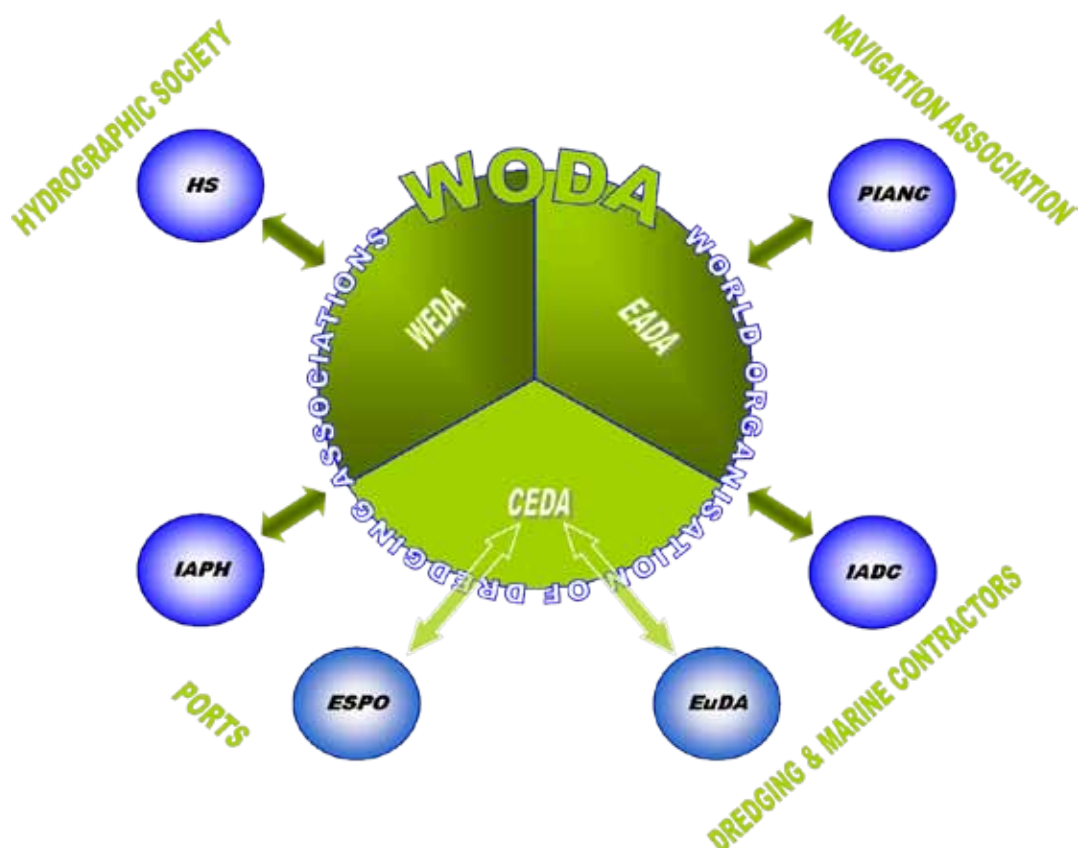
Vision

CEDA's vision is to be essential to corporations, professionals and stakeholders in the fields of dredging and marine construction and to be universally recognized for its professional expertise and balanced, impartial 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, currently operate in dredging and related fields. The graph below shows those international organisations with which CEDA has regular contacts and co-operates on projects of common interest.



Easy to access leading platform for the exchange of knowledge

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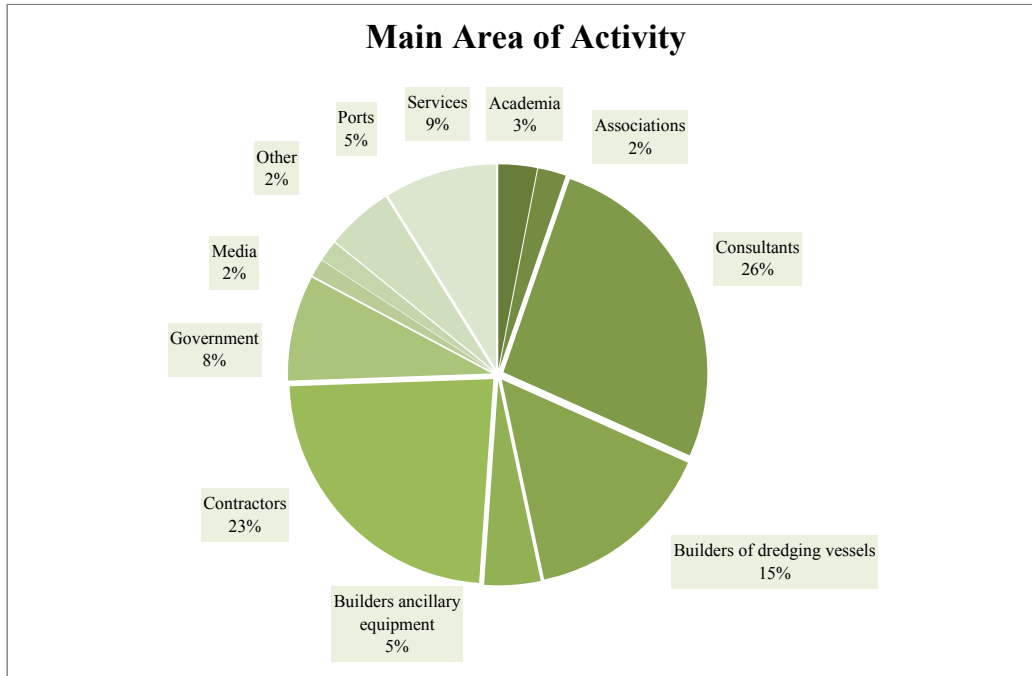
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MEMBERSHIP

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



Members Composition of CEDA’s membership by main area of activity

Countries of Origin

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

At the end of 2011, CEDA had 525 individual members including 6 students, 11 starters, 42 retired members and 14 university or college lecturers. The number of individual members continues to decrease (in the previous year the number was 527).

As to Corporate Members: At the end of the year 2011 we had 126 corporate members as compared to 119 members in the year before. In addition to that in 2011 the CEDA African Section administered 5 corporate members resulting in total 131 corporate members.

Attracting new members and retaining existing ones is a challenge. It is important to put extra effort in attracting new members into our community and all members are encouraged to be good ambassadors for CEDA.



CEDA members are active in many diverse fields.

New Corporate Members

In 2011 we were delighted to welcome the following companies/ organisations as new Corporate Members in the CEDA Community:

Abeko Dredging & Marine Contractors, the Netherlands
 Denialink SL, Spain
 dotOcean BVBA, Belgium
 DSB Offshore Ltd, UK
 GEO.xyz, Belgium
 KCI BV, the Netherlands
 Marinestar, the Netherlands
 Metalogenia S.A., Spain
 MWH Nederland, the Netherlands
 Nortek B.V., Nortek, the Netherlands
 Northern Dredging Company Ltd, Russia
 RKT International, the Netherlands
 Witteveen+Bos Consulting Engineers, the Netherlands

CEDA VOLUNTEERS: CEDA PILLARS

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

*CEDA is driven by
its volunteers.*



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of Dredging Associations, WODA

NATIONAL SECTIONS

Areas or countries with many CEDA members can set up a Regional or National CEDA section to support the interior networking by organizing national/regional events. These sections are the smallest clusters through which CEDA members can become part of the CEDA network and through WODA be connected to the worldwide network of professionals who share the same interest in dredging and marine construction. The Chairpersons of these Sections are CEDA ambassadors through whom newcomers can swiftly and easily enter the CEDA community.

In 2011, CEDA's National Sections continued offering a successful series of meetings and site visits on timely subjects that attracted plenty of attention. Altogether, CEDA's four National Sections held 12 well-attended meetings/site visits/events over the year 2011. Many of the presentations are available online for CEDA members on the CEDA website on the appropriate National Section pages.

African Section

After a very busy 2010, the African Section took a step back in 2011. The Executive Committee evaluated the Section's achievements since its establishment in 2002, reaffirmed its aims and objectives and prepared plans for the coming year. These include organising a seminar in Togo. The role and functioning of the various country sub-committees and sub-sections was also discussed. One of these, the Tunisian sub-section has worked hard in 2011 to prepare the International Seminar in Hammamet, Tunisia early 2012.

Tarik Jakhoukh
Chair



Tarik Jakhoukh
Chair



Khadija Legliti
Secretary



CEDA-AS Exco during one of their meetings.



Belgian Section

It was quite a busy year for the Belgian section. After a good start of the year with our annual new year's reception for the Belgian members, the Executive Committee organised 4 meetings during the year.

- The first meeting in January 2011 dealt with "Brazil and South Africa as emerging economies on the Southern Hemisphere" and the subsequent opportunities for dredging contractors.
- The second meeting in April 2011 was about "Dredging and risks" and reviewed the managing of risks of dredging due to unexploded ammunition or toxic materials. The seminar took place at Castle Arenberg, a venue that was made available to CEDA by the University of Leuven. Consequently, the session was easily accessible to students.
- June 2011 the meeting was about the design and construction of islands in shallow waters for the purpose of oil and gas production in the Caspian Sea.
- In the fourth meeting, in October 2011, experiences were shared on the "Dredging of rock and hard materials". We had a "full house session": all 56 participants confirmed their satisfaction on the information that was given on the implementation of innovative dredging and blasting techniques.

Also during 2011, we accepted the resignation of our chairman, Mr. Freddy Aerts. The Belgian board evaluated the situation attracted discussions Mr Eric Van den Eede who agreed to take over the chairman's role.

Mr. Eric Van den Eede also took on the role as Chairman of the Executive Committee of WODCON XX "The Art of Dredging", which will be held in Brussels from 2 to 7 June in 2013. Further organisation steps were taken throughout 2011 and the main contracts in relation to the event were signed.



Eric Van den Eede
Chair



Christel Goetschalckx
Secretary

The trailer for the congress was further promoted throughout the year. The call for papers will be sent to all members of CEDA, EADA and WEDA in early 2012.

During the Forum on "Early Contractor Involvement" in London in June 2011, a large Belgian delegation was actively involved in the different discussions and workshops.

In 2011, Young CEDA organised 3 information sessions at Universities in Belgium in which young engineers shared their experiences of their first years on the job with 150 participating students.

As a follow-up for 2011, those students who showed the most interest in the dredging industry (which was evaluated via a motivation letter), were invited to the "CEDA Dredging Days – Dredging and Beyond" at the Europort exhibition in Rotterdam. All of the 16 Belgian student-participants did enthusiastically confirm that this provided them with further insight into the industry.

In 2012, Young CEDA will be hosting a technical site visit for students in Belgium. This visit will be paid to a site where state-of-the-art environmental and dredging techniques are currently being implemented.

Martin Ockier
Deputy chair

Invitation poster for one of Belgian meetings.

British Section



Nicola Clay
Chair



Cheryl Honess
Secretary

Events and Activities

Two half-day technical meetings were held in 2011

- Sustainable dredging
- Marinas and recreational dredging: barriers to development

The Sustainable Dredging seminar covered the topical issue of climate change and its relevance to dredging. Discussion focussed on adaptation to climate change and its effects on inland and coastal/marine settings.

Nearly 70 people attended the second meeting which brought together industry and regulators involved in dredging at marinas and recreational sites. The event produced some lively discussion on the distinct set of issues facing smaller operators and the recognition by government of the importance of a proportionate approach to regulation.

In addition to circulation via the CEDA, PIANC and ICE networks, publicity for the second meeting included distribution via 'Bob Earl' a UK-based e-mail distribution services for those involved in coastal and marine industries. This additional publicity generated approximately half of the total attendance reaching those in environmental, regulatory and academic areas. While there is a fee associated with this service the results were considered sufficiently positive that the CEDA UK section will continue to use this distribution list where appropriate.

There were no technical visits in 2011 due to the timing of relevant projects; however several technical visits are in preparation for 2012.



Measures to deal with expected sea level rise include managed retreat of sea defenses in the Humber estuary.

Membership Event

A further Membership Event was held in December 2011 featuring a presentation about the Maasvlakte 2 by Gerard Loman of Delft University/Boskalis as well as an introduction to CEDA. After the presentations there was an opportunity for networking over drinks/canapés. CEDA Committee members mingled with existing and potential members to highlight the benefits of joining CEDA. The event attracted a good amount of interest (approx. 30 attendees) and non-members were offered an option of joining CEDA at a special reduced membership fee.



Two hoppers at work at Maasvlakte 2.

Last year's John Sargent Lecture 'Identifying Archaeological Sites at Sea' was held on the 5th of April 2011 and delivered by Paul Baggeley of Wessex Archaeology.

The presentation focussed on identifying archaeologically interesting sites at sea (including wrecks) and explained how they are studied using standard marine geophysical techniques, and how the results of the geophysical surveys can be used to inform further archaeological works including diver survey or geotechnical investigations. The lecture was instructive, well received, and a new topic to many of us without day to day knowledge of maritime archaeology.

This year's topic is 'The Fixed Link Across Fehmarnbelt: Technical solutions and the EIA study' to be delivered by Anders Jensen of DHI and President of CEDA. We are looking forward to hearing about this innovative project.

...a continuously active role in the development of legislation...



CEDA Input to Legislation

CEDA continues to play an active role in the development of national and European legislation that may affect the dredging industry.

In the UK CEDA is the chair of the UK Water Framework Directive/Marine Strategy Framework Directive Navigation Sector Group (secretariat provided by PIANC) which provides a forum for the navigation industry and government to liaise over the progress with these pieces of legislation. CEDA is also currently hosting 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.

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, Nicola Clay and Katherine Harris are involved with CEDA’s Environment Commission and Katherine Harris also has a role on Young CEDA. From 2009 to 2011 Nicola Clay was Chair of the Marine Strategy Navigation Group (MSNG).

Future Events

In 2012 we are planning three site visits to a range of sites including major ports and a managed realignment project. Details will be provided when the visits are confirmed. We are seeking to arrange a meeting of the CEDA Liaison Group to coincide with a technical seminar (and potentially a site visit) to bring a practical focus to the discussions about using dredged material. Discussions are ongoing with respect to the topics for one or two additional technical seminars.

Liaison with Kindred Organisations

The Committee have continued to liaise with kindred organisations including the ICE Maritime Panel, the Federation of Dredging Contractors, , Dredging Liaison Group (Nicola Clay), the Defra Marine Licensing Group and, of course, the CEDA Main Board. CEDA continues with its official observer roles in the London and OSPAR Conventions. Agreement has also been reached with PIANC to work more closely together at UK level (where appropriate) and to share minutes of meetings.

Personnel

2011-12 has seen a number of new faces join the Committee including Will Shields (Westminster Dredging), John Tharme (Van Oord), Nick Hodder (Dredging International) and Colm Sheehan (Anthony Bates and Partners). Our new members have made an active contribution and we look forward to, and appreciate, the continued input from all Committee Members.



CEDA-UK Exco members with CEDA President. From left: Anders Jensen, Steve Challinor; Lindsay Murray, Andy Birchenough, Michael Costaras, Nicola Clay, Will Shields, Colm Sheehan and Nick Smith.

Nicola Clay
Chair



Member of the World Organisation of Dredging Associations, WODA

Dutch Section



Johan Pennekamp
Chair



Yvonne Duivenman
Secretary

Of the central CEDA-mission, the Dutch Section specifically targets knowledge dissemination and the facilitation of networking. Once again CEDA-NL succeeded to organize a whole range of meetings, where a stimulating high level of attendance continued throughout the year. Clearly CEDA-NL managed to schedule themes of broad interest attracting plenty of attention. It was possible for corporate members to host almost all the CEDA-NL meetings which relieved CEDA but, even more importantly, allowed corporate members to present themselves. Increasing the involvement of young professionals in the CEDA-community got appropriate attention. The collaboration with kindred branch associations such as shipbuilders, offshore industry and surveyors was propelled further.

Dates and topics of the 2011 CEDA-NL meetings in 2011 were as follows:

- 20 January: “The Sand Engine”
- 08 March: “New developments between Dredging - and Oil and Gas Industry” in cooperation with IRO, Dutch branch association for Oil and Gas Industry.
- 28 April: “Views on navigability of rivers” in cooperation with the Royal Dutch Association of Naval Engineers
- 19 May: “Developments in Drill land Blast and work on the new Panama Canal”
- 22 September: “Space for River Flow: The Noordwaard”
- 20 December: “The development of harvesting wind energy offshore”

The society: “Maintenance in Dredging”, of which CEDA-NL is a founding father, convened three times in 2011: 14th of March “Design and Maintenance of Hydraulic Cylinders”, 20th of June “Minimizing Emission” and the 3rd of October “Save Repair”.

Johan Pennekamp
Chair



Students attending the CEDA-NL meeting learnt a lot not only about current technologies but also about the history of dredging in the National Dredging Museum in Sliedrecht.



CEDA-NL at the "Royal" facilities of Rabo Bank.

EVENTS

CEDA Dredging Days 2011: Dredging and Beyond

10-11 November 2011, Rotterdam, the Netherlands

The most recent edition of this renowned series of conferences has proved once again that it is the place to be for all professionals who want to stay abreast of dredging's latest developments.

Under the theme Dredging and Beyond, the conference and exhibition focussed on areas where a new trend is emerging, namely when dredging becomes part of increasingly broader and more integrated projects:

- dredging for offshore oil and gas winning and deepsea mining and
- building with nature for soft and hard dredging solutions.

The conference started with two inspiring keynote presentations in which prominent experts shared their insights about the requirements of and opportunities in their respective fields in the context of dredging. First Professor Peter Halbach from Berlin's Free University talked about mining of deepsea minerals. Then Hans de Boer, managing director of the Association of Dutch Suppliers in the Oil and Gas Industry, took the floor to talk about developments in the Dutch offshore industry.



Delegates to CEDA Dredging Days 2011 came from more than 20 countries.

Although both of these



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industries have used the dredging sector's services for many years, their requirements are changing fast as their operations move to deeper and deeper waters. The conference presentations in two dedicated sessions featuring exciting new technologies left no doubt that the dredging field is matching the speed when responding to these demands.

The concept of working/building with nature itself is not new and has been used in the past for creating wetlands, beach nourishments, coastal restorations and so on. Recently however, more effort is being put into applying it in an increasing number of countries in order to achieve win-win solution for both the economy and the environment. CEDA Dredging Days 2011 explained the concept and in three technical sessions presented related research and innovative case studies. The conference programme also included the by now traditional and much valued Academic Session featuring cutting-edge science by PhD students and faculty. The talks covered a broad range of topics as speakers of this session did not have to adhere to the conference theme.

Participants also received an update on the activities of Young CEDA and the CEDA Environment Commission. The latter included the presentation of the CEDA Position Paper "Underwater Sound in Relation to Dredging and the preliminary findings of the CEDA Position Paper "Climate Change Adaptation as it Affects the Dredging Community". The conference was complemented by a specialised dredging exhibition with 17 stands where leading CEDA member companies showcased their most recent equipment and services, especially in the oil, gas and mineral-winning areas and when working with nature.



CEDA-Receptions are superb for networking.

The following companies participated in the exhibition: Aqua Vision; Damen Dredging Equipment; DEME; Denialink; IHC Merwede; Marinestar; Nortek; Prolec; QPS; RKT International; Rotonics Manufacturing; Seatools; Van Oord Offshore; VOSTA LMG.

No CEDA Dredging Days would be complete without the CEDA-Netherlands Reception with its unparalleled opportunities for networking. An additional 50 CEDA members joined their colleagues on this occasion – also taking the opportunity to visit the exhibition stands.



IHC Merwede and OceanfLORE hosted this year's technical visit.

An optional technical visit to IHC Merwede's Kinderdijk shipyard took place before the conference. Many delegates took advantage of this rare opportunity. The Deep Sea Dredging & Mining Unit and OceanfLORE, a joint venture between IHC Merwede and DEME, were excellent hosts showing participants around the yard.

CEDA is grateful to the following CEDA Member companies and organisations for their support to Dredging Days 2011: Seatools (main sponsor); DPC (official

media partner); Cable Arm, Damen Dredging Equipment, Deltares, IHC Merwede, iPS, IRO, Vereniging van Waterbouwers, Vuyk Engineering Rotterdam.

Some 280 experts from over 20 countries from all over the world participated in the conference and exhibition including 35 students as part of the CEDA Dredging Days Student Programme 2011 (see under Young CEDA section in this report). Further 50 CEDA members attended the CEDA-Netherlands reception.



Dredging and Beyond



Dean Kashiwagi puts forward an assertive and optimistic approach to construction projects.



Peter Lundhus (right) conference chair and Marc Gramberger, head of the facilitators team.

CEDA members have online access to all conference papers free of charge via the CEDA Digital Library (CDL is accessible through the CEDA website). The majority of the presentation files are available also to the general public via the CDL.

Forum on Early Contractor Involvement: Partnering Creates Possibilities

20-24 June 2011, London, United Kingdom

One thing has become clear to all attending this event that was jointly organised by CEDA and IADC: conventional procurement is not always cost-efficient and clients and consultants are ready to look for alternatives – like Early Contractor Involvement (ECI). At the start of ECI the exact definition of “Early Contractor Involvement” was not clear to a number of attendees. The EC I Forum exposed many areas of conflict but, at the end of these highly interactive two days, it clarified for the 75 plus participants the necessity for thinking out of the box and revealed the potential for the EC I process.



Programme structure of the EC I Forum

The scene was set in two keynotes: Professor Dean Kashiwagi, an internationally recognized expert in optimizing the delivery of construction and other services, of Arizona State University, USA presented an optimistic approach to making construction projects more profitable and less antagonistic. He was followed by Peter Lundhus, Technical Director, of Fehmarn Belt Ltd, Denmark, also conference chair on behalf of CEDA, who spoke about the stumbling blocks and need for cooperation and transparency when working on multi-national projects such as the Fehmarnbelt Link between Germany and Denmark. During these talks receptiveness to the EC I concept noticeably gained momentum.

Further presentations included four case studies of prominent projects in different countries in which representatives of the project owners told about their successes with EC I as well as the demands that EC I puts on all parties.

A presentation about the legal issues with the main message that “the EU regulations are certainly not the obstacle: “Legally EC I is possible” rounded off the list of talks.

Professionally mediated interactive workshop sessions were essential components of the forum. First split into three groups – clients, consultants, contractors - participants addressed three issues from their own perspectives: the challenges of EC I, the benefits of EC I and what each group “needs” from the other parties.



Participants were asked to arm wrestle with their neighbour as a demonstration of how we can either oppose or co-operate with each other.

The second series of workshops – now in mixed groups – focused on concrete solutions. Final conclusions were then drawn in plenary sessions. An excellent article in the September issue of Terra et Aqua by three enthusiastic Young CEDA reporters summarises the discussions and the conclusions and essential lessons.

All those present found the Forum extremely useful, educational and enjoyable. We encourage CEDA members to make more use of the unique opportunity this type of events offer.



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Training Course Environmental Aspects of Dredging

13-14 December 2011, Abu Dhabi, UAE

Initiated and sponsored by CEDA member National Marine Dredging Company, NMDC, this joint course of CEDA and IADC took place at the Abu Dhabi Higher Colleges of Technology (HCT).

Compacted into two very full days, the course was composed of lectures and working group sessions. Topics covered include an overview of the “players” who may become involved in dredging projects and their perspectives; main types of dredging equipment, their environmental effects and possible mitigation measures; pre-dredging site investigations, monitoring and dredged material management. During the workshops, participants work in small groups to come up with solutions for dredging projects showing close resemblance to real-life dredging situations.



Yasser Nasser Zaghloul, CEO, NMDC, welcomes the participants.

With 37 participants attending, this was definitely the biggest EAD course ever held. With so many participants, we had to enlist some extra help: The two regular lecturers Gerard van Raalte (Boskalis/Hydronamic, the Netherlands) and Nick Bray (HR Wallingford, UK) were assisted by Mark van Koningsveld (Van Oord, the Netherlands), Michael Costaras (HR Wallingford, UK) and Lena Paipai (independent consultant, Dubai).



Participants represented a broad range of fields and expertise.



2011: Biggest EAD course so far

Even with the special arrangement, we were unable to accommodate all registrants. It was a hard decision to say no to a number of people who very much would have liked to join us. However, we needed to limit the class size in order to safeguard the quality of the working sessions which are designed for hands-on attention in small groups.



While working in small groups, participants also learn from each other.

Given the demand CEDA and IADC are planning to repeat the course in the region shortly.

While the course is based on the book Environmental Aspects of Dredging that was produced as a joint effort by CEDA and IADC and published by Taylor and Francis in 2008, the course material is constantly updated to reflect the most current knowledge and thinking. A more substantial update is planned for early 2012. When next presented on 19-20 April 2012 in Delft, the Netherlands in co-operation with the Postgraduate Academic Programme (PAO) of the Delft University of Technology the course will already have the new revised content.



Handing out the certificate of achievement. From left: Gerard van Raalte, Waleed Al Tamini, Vice President - Project Development, Abu Dhabi Ports Company and Nick Bray.



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World Dredging Congress XX – The Art of Dredging

3 – 7 June 2013, Brussels, Belgium

We are delighted that WODCON is coming into our region again. While the lion’s part of work is still to come, preparatory works were well in underway in 2011. The WODCON Executive Committee selected the PCO (Professional Conference Organiser) with whom it will work closely on staging the event. The Technical Papers Committee has been set up and started work on the Call for Papers. The Executive Committee has a new Chairman, ir. Van Den Eede of Waterwegen en Zeekanaal NV (Waterways and Sea Channel), Belgium.



*More information at:
www.wodcon.org*

The deadline for submitting abstracts for WODCON XX is 29 October 2012.

SERVICES

In addition to offering a platform for information exchange and networking by organising conferences, seminars and training courses, CEDA offers a variety of other services to its members. An important service is delivering information in publications in print as well as online. Another service is the possibility for corporate members to present themselves online, at events and in publications including white papers. With the release of the CEDA Digital Library (CDL) the digital services have been stepped up considerably in 2011.

Publications

CEDA’s Official Magazine, Dredging and Port Construction - DPC

Every CEDA member receives, as a benefit of his/her membership, a subscription to 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 the 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.



Every CEDA member receives DPC.



DPC: CEDA’s Official magazine



CEDA Information Paper: Environmental Control on Dredging Projects: Lessons Learned from 15 years of Turbidity Monitoring

The purpose of the paper is to share recent experience gained from the development of marine infrastructure projects in environmentally sensitive areas, with a particular focus on the realisation phase. The main emphasis is on lessons learned from 15 years of turbidity monitoring during dredging and sediment placement operations. These are summarised as follows:

- Each project is unique. Nevertheless, with great care, lessons learned from one project can be used for the next.
- Dredging-induced turbidity impacts should be evaluated as an increase above background level, not as absolute values. Environmental limit levels should be based on the resilience of the local ecosystem, while accounting for natural fluctuations in turbidity level.
- Monitoring programmes should be designed in an adaptive manner, to allow for procedures to be reviewed and, if appropriate, adjusted.
- Environmental monitoring should be an integral part of project preparation and planning, to ensure effective mitigation of possible environmental effects.

The document can be downloaded from the CEDA web site.

A CEDA Information Paper - June 2011

CEDA
Central Dredging Association

Environmental control on dredging projects

Lessons learned from 15 years of turbidity monitoring

Marine and inland water-based infrastructure is a prerequisite for the sustainable development of economic benefits and public welfare. Dredging works are needed to realise and maintain such infrastructure. It is widely recognised that such projects create an impact on the environment and in recent years awareness of these impacts has grown – on the client side as well as among contractors.

The purpose of this paper is to share recent experience gained from the development of marine infrastructure projects in environmentally sensitive areas, with a particular focus on the realisation phase. The main emphasis is on lessons learned from 15 years of turbidity monitoring (see Figure 1) during dredging and sediment placement operations.

Dredging projects and the environment
Environmental aspects play an important role during the full cycle of project initiation, development, realisation and operation. While detailing the project at hand, legal frameworks such as the *London Convention* and the *EU Water Framework Directive* pose strict environmental controls. Any environmental effects – both adverse impacts and benefits – are evaluated as part of the environmental impact assessment, often in consultation with the legal commissioner. This evaluation may result in revision of the project design or the implementation of nature compensation measures.

Contractors are responsible for minimising environmental impacts during project realisation (process impacts). Sometimes, the use of environment-friendly work methods and robust environment management plans proves a decisive factor in project tendering. Once contracted, environmental monitoring schemes should be in place before construction works begin. Given the costs associated with these schemes and their strategic importance for environmental control,

development of these programmes should be integral to project preparation.

Environmental monitoring
To ensure the care and protection of surrounding ecosystems, while enabling the construction of marine infrastructure, environmental monitoring has become common on dredging projects since the Øresund Fixed Link Project between Denmark and Sweden (1996). Major marine infrastructure projects in, for example, Melbourne

Environmental monitoring is directly relevant to the success of marine infrastructure projects and their appreciation by the general public.

CEDA Information Paper: CEDA Update on the EU Marine Strategy Framework Directive

This document has been prepared by the CEDA Environment Commission (CEC) to inform CEDA members about the implementation process of the EU Marine Strategy Framework Directive (MSFD) and CEDA’s involvement in the process. The paper gives a brief overview of the ongoing concerns of the dredging and navigations sectors and current concerns, issues at the time of the publication. For more details about CEDA’s work on the MSFD please refer to the CEDA Environment Commission section in this report.

The document can be downloaded from the CEDA web site.

MARINE STRATEGY FRAMEWORK DIRECTIVE
Marine Strategy Navigation Group Activity in 2011
Report from CEDA (Chair)
November 2011

This document has been prepared for CEDA members to inform them about the implementation process of the EU Marine Strategy Framework Directive and CEDA’s involvement in the process.

1. Introduction

Formed in 2009 and chaired by CEDA, the **Marine Strategy Navigation Group (MSNG¹)** is a ‘thematic cluster’ of navigation sector bodies that coordinates the exchange of knowledge, experience and views of the participating associations and provides professional advice that can be used in the implementation of the MSFD. The MSNG is chaired by CEDA and the CEDA chair’s role is overseen by the CEDA MSFD Advisory Group. This paper provides CEDA members with a summary of the activity of the MSNG during 2011.

What is the EU Marine Strategy Framework Directive (MSFD)?

The ambitious Marine Strategy Framework Directive 2008/56/EC (adopted in June 2008) aims to protect the marine environment across Europe. The Directive requires Member States to prepare national strategies to manage their seas to achieve or maintain Good Environmental Status (GES) by 2020, and to protect the resource base upon which marine related economic and social activities depend.

Why is the MSFD relevant for dredging activities?

The MSFD mainly applies to marine waters (normally beyond 1 nautical mile) and will influence activities including:

- Sediment management
- Sand mining/aggregate dredging
- Laying of cables and pipelines
- Dredging for the offshore and wind farm industries
- Navigation dredging
- New constructions (harbours, breakwaters, bridges, and tunnels)
- Land reclamation
- Coastal protection

¹MSNG members include:

- CEDA
- EBA
- EBI
- ECSA
- EuDA
- ESPO
- ICOMIA
- ISU
- PIANC

1

Understanding Dredging

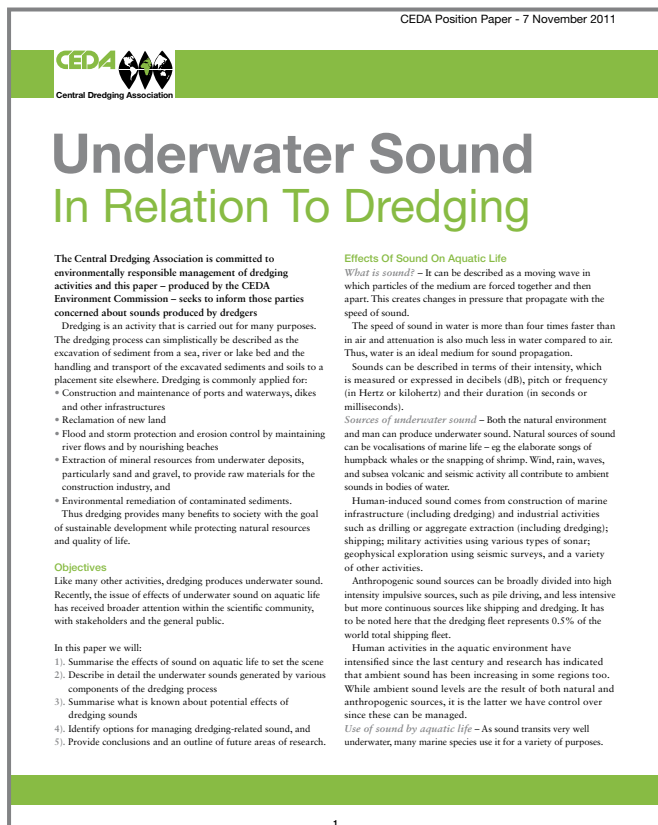
CEDA Secretariat - Radex Building, Rotterdamseweg 183c, 2629 HD Delft, The Netherlands, T +31 (0)15 268 2575
E ceda@dredging.org www.dredging.org

CEDA is chairing the Marine Strategy Navigation Group a thematic cluster of 8 international associations.

CEDA Position Paper: Underwater Sound in Relation to Dredging

Published in November 2011, this document describes in detail the underwater sounds generated by various components of the dredging process, and what is known about potential effects of dredging sounds. It identifies options for managing dredging-related sound, and provides conclusions and an outline of future areas of research. For details please refer to the “In the Focus” Section of this report.

The document is available to download from the CEDA web site.



Very well received within and outside CEDA.

CEDA Position Paper: Climate Change Adaptation (in preparation)

The aim of this document – to be published in March 2012 - is to raise awareness and help the dredging community prepare for climate change and understand how dredging can contribute to adaptation measures. For details please refer to the “In the Focus” Section of this report. The document will be available to download from the CEDA web site.

Conference and Seminar Presentations

Some 80-90% of the presentations at CEDA conferences and seminars are made available to the public on the dedicated CEDA website (www.cedaconferences.org) 3-4 months after a particular event. Participants and corporate members of CEDA have access to these files right after the events. The popularity of these online documents is clearly demonstrated by the website’s statistics.

CEDA Quality Stamp

The CEDA Quality Stamp on a document means that it has been reviewed and endorsed by a panel of experts from across CEDA’s diverse membership representing a wide range of expertise, disciplines and nations. Endorsement by CEDA is a guarantee for impartial, state-of-the-art information for academics, industry professionals, regulators, decision-makers and stakeholders within its fields of interest.



CEDA: Sharing knowledge



Member of the World Organisation of Dredging Associations, WODA

We were pleased to grant for the first time the CEDA Quality stamp to the document “Dredging Plant and Equipment” produced by the International Association of Dredging Companies (IADC), in their series ‘Facts About’. This concise document describes the most commonly used dredging equipment, such as cutter suction dredgers, trailing suction hopper dredgers, backhoes and water injection dredgers, and gives a general impression of which plant is appropriate for a particular location and for various types of soil - for instance, sand, clay or rock. The document can be downloaded from www.iadc-dredging.com.



The CEDA Quality Stamp on a document is a guarantee for impartial information

Books with Discount for CEDA Members

We make a conscious effort to make arrangements with publishing companies to be able to offer relevant technical books with a CEDA member discount. The list of books currently available at a CEDA member discount price can be viewed in the “Publications and Resources” section of the CEDA web site www.dredging.org.

Digital Services

CEDA Websites and E-newsletters

The two CEDA websites, www.dredging.org and www.cedaconferences.org as well as the CEDA Newsletter remain to be useful tools to inform members and others about CEDA’s activities and to share relevant dredging knowledge and information. More and more employees of CEDA Corporate Members make use of the opportunity to open personal accounts so that they can receive directly, without any delay CEDA e-notices and e-newsletters even in the absence of the CEDA Contact Points for their companies/organizations.



The CEDA website keeps members up to date on CEDA activities.

CEDA Digital Library (CDL)

The CDL opened in August 2011 with some 230 technical papers that were readily available in electronic format. These were published in the last decade in the CEDA Dredging Days and the WODCON XVII (2004, Hamburg) proceedings. All conference papers included in the CEDA Digital Library have been peer-reviewed by renowned international experts and represent high-quality technical content. As an additional bonus, for most of the papers the corresponding presentations made at the conferences can be also viewed online or downloaded, thereby bringing the content of the documents closer to the reader.

The CEDA Digital Library provides CEDA members immediate online access free of charge to a wealth of scientific and technical knowledge on all aspects of dredging and marine construction. Non-members can purchase the full papers for € 20.00 per paper.



Numerous technical papers are available through CEDA Digital Library.



CEDA Member video featured on the CEDA website.

Services to Corporate Members

Corporate Members of CEDA have the opportunity to promote their products and services directly to the CEDA membership and to a broader audience through publishing

- commercial white papers in the CEDA e-Newsletter and on the CEDA web site and/or
- a short video on the front page of the CEDA web site

The listing of Corporate Members on the CEDA web site with hot-links to the companies own web sites is one of the most frequently visited pages of the CEDA web site.

IN THE FOCUS: THE TWO NEW CEDA WORKING GROUPS

At the recommendation of the Strategic Implementation Commission the CEDA Board decided to rely more on working groups with a clear and short-term mandate to produce CEDA publications. The primary aim is to shorten the production time and to actively involve more members in CEDA's work. In 2011 two such working groups have been established – both very successful.

Working Group on Underwater Sound

The effects of underwater sound on aquatic life have become a very important environmental issue. There are a variety of sources of underwater sound both biologically and man-made and effects can be wide ranging as water is an ideal medium for sound. The issue has been taken up amongst others by OSPAR and the EU Marine Strategy Framework Directive where advice on indicators for impulsive- and ambient noise is currently being prepared in a technical sub-group.

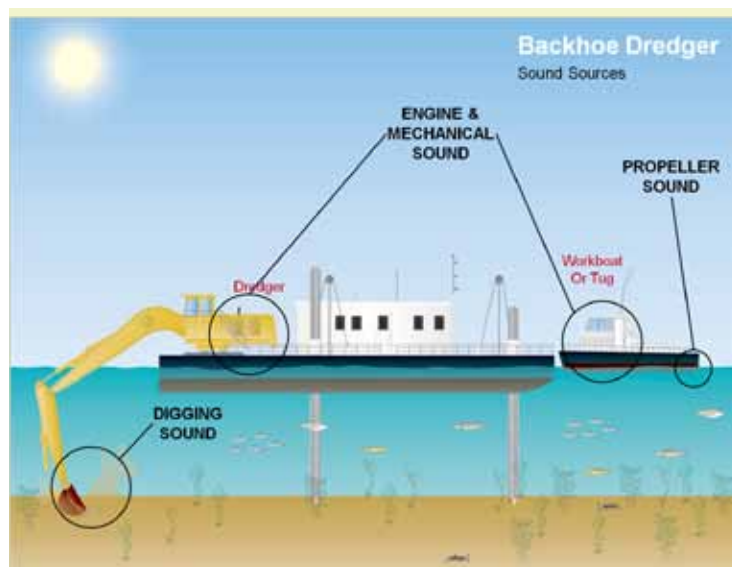


The Working Group Underwater Sound during their first meeting in Delft, the Netherlands at the CEDA Offices. First row from left: Frederik Goethals, Frank Thomsen, Martine Holtkamp Second row from left: Frederik Roose, Philip Spadaro, Gerard van Raalte, Pim de Wit.

To be proactive The CEDA Environmental Commission established a CEDA Working Group on Underwater Sound with the objective to draft a CEDA position paper on underwater sound in relation to dredging, and to provide informed input to the EU consultations.

The Working Group held its inaugural meeting in January 2011 and met two more times before finalisation of their task. The CEDA position paper on dredging sound was then presented during the CEDA Dredging Days in November 2012.

The position paper provides an overview of the various activities involved in dredging that produce underwater sounds. It shows that compared to other manmade sounds dredging is within the lower range of emitted sound pressure levels. The paper concludes that dredging sound has the potential to affect the behaviour of aquatic life in some cases but injury in most scenarios should not be a concern. Finally, the paper states that more information on sounds from dredging and its effects on aquatic life is necessary to further identify risks and support informed decisions about potential mitigation measures.



Excellent illustrations support the explanations of dredging generated sound. In the picture: Schematic overview of a backhoe dredger.

The position paper was received very well within and outside CEDA. The CEC has now recommended following this work by establishing a WODA Expert Group on Underwater Sound (WEGUS). The group shall extend the previous achievements to a broader international level and shall promote and facilitate the development of an underwater sound monitoring protocol/procedure for dredging in conjunction with other initiatives.

The CEDA Position Paper on Underwater Sound in Relation to Dredging can be found here in the "Resources & Publications" section of the CEDA web site, www.dredging.org.

For the full list of Working Group Members please refer to Voluntary Section in this report.

Frank Thomsen
Chair

Working Group on Climate Change Adaptation as it Affects the Dredging Community

Climate change is now a fact. In addition to trends for a steady rise in global temperature and associated sea level rise it is anticipated that there will be an increase in the frequency of extreme events like storms, surges, floods and droughts. These changing conditions may induce changes in erosion and sedimentation patterns, with potential consequences for dredging requirements and volumes, both inland and offshore.

The Environmental Commission of CEDA established a Working Group in spring 2011 to draft a position paper aimed at raising awareness, helping the dredging community prepare for climate change, and understanding how dredging can contribute to adaptation measures.

The Working Group, with experts from dredging companies, consultancies and water authorities, held three meetings in 2011 to arrive at a final draft. The preliminary results were well received at the CEDA Dredging Days in November 2011 in Rotterdam.

- The position paper discusses potential implications for the dredging community for three types of environments: open coasts, seaports, estuaries and access channels and inland waters. The paper concludes with the following key messages of CEDA to the dredging community:
- Climate change will bring both challenges and opportunities to the wider dredging community
- The dredging community has an important role to play in promoting solutions for many of the consequences of climate change, and needs to be prepared to act
- The magnitude and rate of change of some climate change parameters may be greater than previously projected by the IPCC
- Climate change adaptation measures need to be based on a well-informed, pro-active and integrated approach
- Innovation and flexibility will be crucial factors for successful and sustainable adaptation both in terms of technical solutions and the regulatory context.

The final draft position paper will be reviewed and depending on the results should be ready for publication after the first quarter of 2012.

For the full list of Working Group Members please refer to the CEDA Volunteers list in this report.

Pol Hakstege
Chair



The last meeting of the Working Group on Climate Change Adaptation as it Affects the Dredging Community took place at the CEDA-UK Section's home base, the Institution of Civil Engineers. In the picture: From left: Ida Brøker, Pol Hakstege, Braam Steijn, Lucas Lowe-Houghton, Jan Brooke, Maertens Jonas.



Dredging plays a role in enlarging the discharge capacity of rivers for flood management



SPECIAL FEATURE: CEDA Develops a Low Technology Approach to Dredged Material Management for the London Convention and its 1996 Protocol

London Convention (LC) and its 1996 Protocol (LP) are global conventions to protect the marine environment and the most widely applicable legislative instruments for the regulation of the disposal of dredged material at sea. CEDA actively participates in the work of the LC/LP where it represents WODA.

Through feedback from participants in regional workshops LC/LP identified the need to develop a low technology approach to dredged material management to help those countries where regulations are currently absent or in development and where technical equipment and know how is lacking or too expensive to realistically set up from scratch. Therefore the IMO contracted CEDA to develop such an approach in the form of a training set extension to the LC/LP Waste Assessment Guidelines (WAG) and based on the LC Specific Guidelines for Assessment of Dredged Material (previously known as the DMAF).

The WAG training set extension for the application of low-technology techniques for assessing dredged material (Low-tech WAG) has now been developed for CEDA by Centre for Environment, Fisheries and Aquaculture Science (Cefas) a corporate member of CEDA. The low-tech WAG provides information on low-cost sampling (including an inventive use a cola bottle), testing, information gathering and documenting, low-cost monitoring and feedback surveys to help improve decision making in relation to dredged material. It also focuses on the alternative use of dredged material referencing recent work undertaken by CEDA.

The low-tech approach is seen as a temporary measure to allow countries to adopt a precautionary approach to the management of dredged material, in the event that they have not yet developed sufficient capability to allow them to follow the full approach of the LC/LP Guidelines.

The Low-tech WAG was adopted by the LC/LP governing bodies in October 2011 and is available to be 'road-tested' by its intended audience (e.g. ports and regulatory authorities operating in low-tech environments). It is hoped that this process will enable identification of further low-tech approaches that can be incorporated in the future to increase the Low-tech WAG's usability. The document is on the CEDA website in the Section "Independent Expert Advice".

The term waste is used in the document in line with the London Convention current terminology. However, WODA, CEDA and other organisations dealing with dredged material (PIANC, IAPH, IADC, EUDA) consider that it is a resource and therefore do not consider it as a waste. As the term dumping is often associated with waste the term disposal is also used in reference to dredged material in these guidelines.

Andy Birchenough
Lead Author



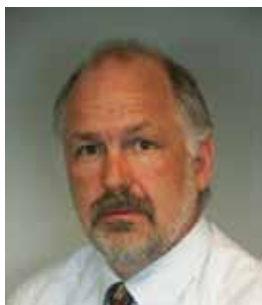
Near bed flow and sediment transport patterns can be investigated by using seabed drifters which are released at the disposal site.



Member of the World Organisation
of Dredging Associations, WODA

COMMISSIONS

Strategy Implementation Commission - CSIC



Hendrik Postma
Chair

With the adoption of “The Way Ahead - CEDA Strategy 2009” the Board of CEDA committed to a more strategic approach to planning and implementing CEDA’s activities. This helps focusing on initiatives and actions that ensure that CEDA continues to meet the changing needs of and remains relevant to the members and the dredging profession at large. CSIC’s task is to make certain that CEDA keeps on with this objective. Unless required otherwise, CSIC meets once a year.

In the 2011 regular meeting CSIC reviewed compliance with the general guidelines for implementing CEDA Strategy 2009 and the progress with CEDA Action Plan 2011. Based on the review results CSIC developed recommendations for the CEDA Board, which were subsequently endorsed.

CSIC was pleased to note the success of its recommendation in the previous year to make a much better use of the vast amount of collective knowledge and experience within the CEDA membership by more actively engaging members in CEDA work. Following the recommendation of CSIC two CEDA working groups have been set up (see earlier in this report).

CSIC also offered advice on the draft CEDA Action Plan 2012 and commented on the draft budget for the year 2012. The conclusions in this regard can be seen in different sections dealing with future activities in this report.

Hendrik Postma
Chair

Environment Commission – CEC and CEDA’s International Representation



Polite Laboyrie
Chair

Membership

The members of the Environment Commission come from different countries within the CEDA-region. Their mother organisations are port authorities, dredging contractors, governmental organisations, consultants, institutes and universities. For the full list of members please refer to the Voluntary list in this report.

Meetings

Normally there are two meetings per year and the activities of CEC centre around these meetings. The meetings are often combined with site visits and/or with a seminar. The goal of these meetings is to work on and give an update on all activities, generate new ideas, and to exchange developments and assign tasks. During the meetings there are working group sessions. The meeting in April 2011 was hosted by Thetis in Venice, Italy. This meeting was linked to the Sednet conference. The second meeting in October was hosted by the Flemish Government in Antwerp, Belgium and was combined with a site visit to AMORAS, a recently built plant in the Antwerp harbour for Mechanical Dewatering, Recycling and Application of Sludge.



Two members of CEC at the Amoras plant in October.
Left: Pol Hakstege, right Gerard van Raalte.



*Climate change
requires pro-active and
integrated approach.*

Aims of CEDA's Environment Commission (CEC)

The CEC aims to promote the education and instruction of CEDA members and others in the fields related to dredging and marine construction with an emphasis on environmental aspects. CEC also aims to generate and disseminate quality information on environmental aspects of dredging and associated matters and to develop or contribute to the development of guidelines relating to good practice. Finally, the CEC aims to be pro-active in providing expertise in relevant policy making activities.

International Representation

CEDA has official Non-Governmental Observer (NGO) status at a number of international bodies. CEDA representatives actively participate in meetings and relevant working groups of these bodies to provide independent expert advice to help shape policy development. CEDA's overarching aim with this activity is to ensure that any legislation pertaining to dredging and disposal activities and maritime construction works is based on the sound technical and scientific knowledge takes account of best practice and is ultimately workable. Below a brief overview is given of our work in 2011 in this regard.

The London Convention

The London Convention was one of the first global conventions to protect the marine environment from human activities; it is the most widely applicable international regulatory instrument. Its objective is to promote the effective control of all sources of marine pollution and to take all possible steps to prevent pollution of the sea by dumping of wastes and other matter. WODA has official Non-Governmental Observer (NGO) status at the London Convention. Currently CEDA participates in the following activities:

- Being a member of the Intersessional Corresponding Group which is revising the ten year old Dredged Material Assessment Framework. In 2012 this revision has to be finished. Important is to identify full references for available technical guidance documents to be cited and included in the Framework;
- Taking the lead in producing a low-tech training set on waste assessment guidance for developing countries. This was adapted in October 2011. For details see the Special Feature in this report on page. Next a road-test will be executed: a short document will be produced with recommendations on how best to road-test the product. This will be submitted to the next session of the Scientific Groups in May 2012



London Convention.

OSPAR Convention

This is one of the regional conventions, named the Oslo and Paris Convention (OSPAR Convention), which covers the north-east Atlantic and North Sea and is open to countries which border these sea areas. The OSPAR Convention is important in setting basic requirements for the management of dredged material disposal at sea and produces guidelines which provide the context within which assessment of the suitability of dredged material for disposal is carried out within contracting countries. In this convention, regulating sand and gravel mining, the effects of underwater sound and sand mining, the implementation of the MSFD and dredged material issues are currently relevant.

European Union

On European level we are actively involved in the work concerning the implementation of three Framework Directives:

- The Water Framework Directive - We are member of the multi-association Navigation Task Group (WFDTG) which is led by PIANC.
- The Marine Strategy Framework Directive - CEC set up task group on this subject called CEDA Advisory Group for the MSFD. This group supports CEDA's work on the multi-association group named "Marine Strategy Navigation Group", MSNG. The task of the MSNG is to coordinate the exchange of knowledge, experience and views on international navigation issues in the context of the MSFD implementation goals. MSNG is chaired by CEDA (Nicola Clay). The MSNG has met twice in 2011, the first meeting in March and the second in September. Both meetings were timed to inform preparation for the meetings of the Good Environmental Status (GES) and Economic and Social Assessment (ESA) Working Groups. On behalf of MSNG/CEDA these Working Group meetings were attended by Marie Pendle and Katherine Harris. The MSNG submitted formal written comments to the GES and ESA WGs in March/April. In 2011 the focus was on deriving common understanding of what GES is and how the status of ecosystems should be quantified with respect to the general definitions of the 11 descriptors embedded in the Directive. For this purpose, a Common Understanding Document was produced to which MSNG contributed with comments. Our comments were taken seriously

and many of them have been taken into account. We also joined discussions on how to deal with underwater noise. The comments of our Task Group have been taken into account.

- The CEDA-EuDA Task Group on the Waste Directive - This group, chaired by Pieter de Boer, is keeping an eye on the progress on the Waste Directive. Additionally, there is a working group of the European Commission active on this subject. They are now discussing whether chemical calculations or bioassays should be used for establishing whether a material is hazardous or not. For the time being, dredged material has not been addressed. CEDA and EuDA are formally represented in this group by Dr Georg Reifferscheid, Federal Institute of Hydrology, Germany. There was a general agreement that the chemical calculation approach was preferable. In some countries dredged material is still considered as waste. The CEC is making an effort to find out the reasoning behind this approach.

Information and Position Papers

The three documents described earlier in this report and listed below were prepared under the remit of CEC:

- CEDA Information Paper: Environmental Control on Dredging Projects
- CEDA Position Paper: Underwater Sound in Relation to Dredging
- CEDA Position Paper: Climate Change Adaptation as it Affects the Dredging Community (in preparation)

Polite Laboyrie
Chair

Communications Commission - CCC



Kathleen De Wit
Chair

In 2011, the CCC decided to go for the following 4 goals :

- to attract also offshore companies to become CEDA members
- to publish the annual report 2010
- to compose a toolkit of statements for CEDA representatives
- to investigate further the practical use of the CEDA websites.

In order to realise the first goal, in February and September 2011 a letter, signed by the CEDA president, was sent to the CEO's of some 100 offshore companies in the Netherlands, Belgium and Denmark. In this letter CEDA was presented and the attention was drawn to the coming CEDA Dredging Days and their interesting theme for the industry.

The annual report 2010, containing 32 pages, i.e. 8 more than the report 2009, was published in May 2011. The lay-out was taken care of with the highly appreciated voluntary help of one of our corporate members (DEME) and a very nice appealing report was the result. For the layout work for this year's report, another CEDA corporate member (IHC) already offered his evenly appreciated assistance.

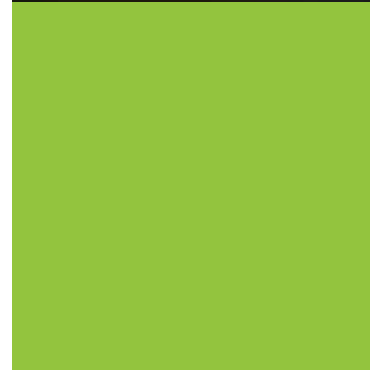
The toolkit of statements is meant to be used by all CEDA members representing CEDA at an event somewhere. It was concluded that, in the first place, a general knowledge of CEDA is very important for these people and some documents should be produced to help them to introduce CEDA. In this regard, members that want to share their warm heart for CEDA with others not yet familiar with our organisation, can make use of the CEDA publicity kit that has been prepared and put on our website.

In addition, the CCC started to draw up an easy-to-use business card-like ticket, containing the essence of CEDA in a few lines and written in a very easy-to-understand language. This tool will be distributed soon to all CEDA members interested.

The last goal was realised by performing a thorough analysis of the CEDA website statistics. This analysis led to the following conclusions:

The results of the 2010 statistics were in line with those of the year 2009. There was however a trend showing a slightly increasing use of the CEDA website ;

- In relation to the limited number of CEDA members, the CEDA websites (www.dredging.org and www.cedaconferences.org) are visited frequently by a vast and steady group of users, very well knowing what they are looking for ;



- The pages visited most on www.dredging.org were those containing publications and other downloadable documents, together with those giving National Section meeting info. Therefore CEDA will continue expanding this services where possible ;
- Obviously, on www.cedaconferences.org, the pages about WODCON XIX and the CEDA Dredging Days were also very popular.

Also in 2011 the CCC had to say goodbye to his extremely motivated chairman, Mr. Jos Claessens, who retired as a CEDA Board member and chairman of the CCC at the AGM in November. He was succeeded by the undersigned chairwoman, who will at least try to continue to do this job with the same never-ending enthusiasm as her well appreciated predecessor.

Kathleen De Wit
Chair

Young CEDA



Daan Rijks
Chair

In 2011, Young CEDA continued to concentrate on the three areas defined in 2010: Activities, Communication, and interaction with the CEDA Board and -Commissions.

In each of these areas, CEDA's youngest commission worked to achieve its' main objectives:

- Involve younger members in CEDA;
- Challenge the Board with new ideas;
- Provide constructive feedback in the various CEDA Commissions; and
- Offer its' members (students and young professionals) a unique network in the field of dredging, representing research institutes, universities, industry, governmental authorities and consultants.

Activities

Young CEDA organises activities such as technical excursions and seminars to involve younger members in the CEDA organization. Experiences from young professionals are presented and discussed, but Young CEDA also taps in on the extensive knowledge of the more experienced CEDA colleagues. In this way CEDA is kept alive and up-to-date. Indispensable after activity drinks offer ample opportunity to exchange ideas, gain new (technical) insights and expand networks with valuable new contacts.

Excursion: Confined Disposal Site 'Hollandsch Diep'

This year, Young CEDA organized a technical visit to the large scale underwater Confined Disposal Facility 'Hollandsch Diep' This aquatic island depot can store 10Mm³ of contaminated sediments and is located in the centre of the Hollandsch Diep River, a busy navigational corridor. The excursion started with a boat trip from the city of Dordrecht to the depot during which several presentations were given on the planning, development and construction of the depot. After arrival at the depot, the group received an extensive tour of the facilities including the sand separation basins. On the way back, the participants had some well deserved drinks and warm pancakes. Young CEDA thanks Arnoud de Wit for organizing the event and of course the speakers and sponsors for making the excursion possible! More information and pictures on the Young CEDA webpage on the CEDA website.



As with previous Young CEDA excursions, the site visit was complemented by informed commentary by those involved with the project.

CEDA Dredging Days Student Programme 2011

Under the programme, CEDA offered a considerable number of free registrations to graduate and post-graduate students who've shown great affinity with dredging technology in their studies. Organised and coordinated by Young CEDA the programme reached out to graduate and post-graduate students from 20 European universities and institutions of higher professional education. This resulted in the participation of 35 students from 6 universities in three countries: Belgium, Germany and the Netherlands.

Upon arrival to at the conference in Rotterdam, students were welcomed by Young CEDA members and assisted in finding their way around. Thanks to Martin van Ommen from Young CEDA for the organization.



35 students attended CEDA Dredging Days 2011. In front the middle from left Young CEDA Commission members Martin van Ommen and Daan Rijks.

Communication

In 2011, Young CEDA launched a Linked-In group that allows for efficient communication to all Young CEDA members. Feel free to apply for membership of the group via Linked-In and receive regular updates and information on Young CEDA activities.

Furthermore, Young CEDA provided regular input for the CEDA newsletters and website and DPC articles.

Participation in Board and Commissions

Young CEDA actively participated in the Board meetings and was involved in each of the CEDA commissions. Constructive involvement in the discussions aimed at launching new ideas, providing advice on involvement of younger members, representing the interests of younger members in the visions and strategies of CEDA and offering the Young CEDA network for spreading of general CEDA activities.

Looking at 2012

In 2012, we are planning on organizing a new series of seminars on Working in the Dredging and Marine Infrastructure Sector in England, Germany and Belgium. Furthermore, we are planning two excursions in Belgium and the Netherlands.

Become a Member

Feel free to contact any Young CEDA member for more information, take a look at the dedicated Young CEDA pages by following the Young CEDA link on www.dredging.org and become member of the Young CEDA LinkedIn Group.

Daan Rijks
Chair



*Young CEDA:
Introducing CEDA to
students and young
professionals*

FINANCES

Balance Sheet 2011

Expenditures		Income	
	k€		k€
Office and governance	37,1	Membership fees	
Staff	113,4	Individual members	33,7
		Corporate Members	201,5
		Interest and exchange diff.	6,8
Environment Commission	1,8	Events/sponsorship	54,0
Young CEDA	4,1		
Services and DPC subscriptions	33,8		
National Sections			
African Section	4,4		
Belgian Section	7,1		
British Section	7,5		
Dutch Section	11,2		
Promotion CEDA and its Corporate Members	7,7		
Provisions	15,0		
Sundries	4,9		
TOTAL	247,9	TOTAL	296,0
RESULT			48,1
RESERVES			334,5

FIGURES

Individual CEDA members	525
Corporate CEDA members	131
National Section meetings	13
International representations	24
Expenditure 2011	€248,000
Budget 2012	€244,000

OBJECTIVES FOR 2012

In addition to our regular activities, including the meetings of the National Sections and providing independent expert advice at various international forums such as the London Convention, OSPAR and appropriate bodies of the European Commission, the plans for 2012 include the following:

- To set up a WODA Expert Group on Underwater Sound with the aim of
 - producing further state-of-the-art review of ambient sound, dredging induced underwater sound and impact of this on aquatic biota
 - developing an underwater sound monitoring protocol/procedure
 - providing technical guidance on how to assess underwater sound by dredging.
- To continue working on World Dredging Congress XX (2013, Brussels, Belgium) organised by CEDA for the world-wide dredging community to ensure an outstanding success and event to remember.
- To organise a CEDA Dredging Days in Abu Dhabi, UAE.
- To sponsor, in co-operation with the Russian State Hydrometeorological University (RSHU) a two-day technical programme on dredging as part of the International Coastal Conference “Coast, Evolution, Ecology, Economy” in Tuapse, Russia.
- To publish the CEDA position paper Climate Change Adaptation and its Effects on the Dredging Community.
- To organise the CEDA workshop “How to get dredging projects done” with the aim of bringing together experience from large projects and summarise the lessons learned.
- To launch cedawiki to tap into the enormous knowledge base of the CEDA membership and make it available to members and non-members alike.
- To update and present the CEDA-IADC Training Course “Environmental Aspects of Dredging” in Delft and actively look for other venues.
- To finalise the Russian translation of the book “Environmental Aspects of Dredging” and by facilitating its publication in Russian language meeting an important demand for dredging knowledge among Russian speaking professionals, filling an important gap of knowledge.

With these activities we continue our journey towards our vision as set out in CEDA Strategy 2009 “The Way Ahead” for the benefit of our members and the dredging professional community at large. The results of 2011 and the strength and dynamism of our association provide a sound foundation for success in the years ahead.

ORGANISATION

CEDA Board of Directors

As stipulated in the statutes, CEDA is governed by the Board of Directors, generally meeting twice a year. After the election of November 2011 the Board of Directors counts 14 members from 6 different countries. The next election will take place in November 2013.



CEDA Board at work during their November meeting hosted by Witteveen+Bos.



CEDA Annual General Meeting

The Annual General Meeting (AGM) in 2011 took place in Rotterdam, the Netherlands. During this AGM the President gave a brief overview of the activities and achievements of CEDA in 2010/2011, the Secretary/Treasurer presented the final figures for the year 2010 and the Audit Committee reported their findings. Further, an election took place to replace the retiring CEDA Directors. The AGM adopted the proposed revisions of the CEDA Articles of Association and the CEDA Bylaws.

CEDA Secretariat

The day-to-day management of CEDA is carried out by a permanent Secretariat based in Delft, the Netherlands. In 2011 CEDA employed two staff members with 1.63 full time equivalents: Anna Csiti, general manager and Yvonne Duivenman, administrative assistant. The main areas of work for the Secretariat are (but not limited to):

- managing, executing or supporting the execution of various CEDA projects
- preparing, 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.

Apart from the central CEDA secretariat, every National Section organises its own national secretariat.

WODA Board and Secretariat

Following the rotating pattern of the organization of WODCONS, the WODA Chairmanship also rotates between the three component associations. The WODA Chair and the WODA Secretariat is always with the association that is organising the forthcoming WODCON. Accordingly, the current WODA Chairman is the CEDA President, Anders Jensen, and the current WODA Secretary General is the CEDA General Manager, Anna Csiti.



Kathleen De Wit presents the findings of the Audit Committee for the year 2010.



Central Dredging Association

Member of the World Organisation
of Dredging Associations, WODA

CEDA VOLUNTEERS

A word of thanks to all the volunteers working for the benefit of CEDA. All those silent, sometimes not so silent, CEDA workers spent part of their free time contributing to CEDA's successes. Often their employers allow them to do part of it in their company's time. Thanks for this too.

In 2011 the (wo-)manning of CEDA's voluntary based units was as follows :

Board of Directors

Elected Members

Michael Costaras, HR Wallingford, UK
 Kathleen De Wit, IMDC, Belgium (*Chair Communications Commission, Acting Vice-President*)
 Claudia Flecken, Hamburg Port Authority, Germany
 Wim Klomp, DHV, the Netherlands
 Tarik Jakhouk, Drapor, Morocco (*Chair CEDA- Africa Executive Committee*)
 Anders Jensen, Femern A/S, currently: DHI – Water and Environment, Denmark (President)
 Lindsay Murray, Independent Consultant, UK
 Johan Pennekamp, Deltares, the Netherlands (*Chair CEDA-Netherlands Executive Committee*)
 Hendrik Postma, Royal Boskalis Westminster, the Netherlands (*Chair Strategy Implementation Commission - SIC*)
 Cees van Rhee, Delft University of Technology, the Netherlands (*Secretary/Treasurer*)
 Jan Vandenbroeck, S.D.I. (DEME), France
 Bart Verboomen, Baggerwerken Decloedt & Zn (DEME), Belgium
 Loek Verheijen, IHC Dredgers, The Netherlands

Ex officio Members

Polite Laboyrie, Witteveen+Bos, the Netherlands (*Chair Environment Commission - CEC*)
 Daan Rijks, Royal Boskalis Westminster, the Netherlands (*Chair Young CEDA*)
 Eric Van den Eede, Waterwegen en Zeekanaal (*Chair CEDA-Belgium Executive Committee*)

General Manager

Anna Csiti, The Netherlands

Alternates to Board Members

Klavs Bundgaard, DHI - Water and Environment, Denmark
 Thibault van Craen, S.D.I. (DEME), France
 Helmut Meyer, Federal Waterways- and Shipping Administration, Germany
 Daan Rijks, Royal Boskalis Westminster
 Dirk Roukema, Blue Pelikan, the Netherlands
 Denis Seurnyck, Dredging International (DEME), Belgium
 Martin van Ommen, IHC Dredgers, the Netherlands

Retiring from the Board in November 2011 with special thanks for their contributions were:

Freddy Aerts, Ministry of the Flemish Community, Maritime Access, Belgium (*Chair CEDA-Belgium Executive Committee*)
 Andrew Birchenough, Cefas, UK
 Jos Claessens, Flemish Dutch Scheldt Commission, Belgium (*Vice-President and Chairman Communications Commission - CCC*)

Commissions, Committees

Environment Commission - CEC

Andrew Birchenough, Cefas, UK
 Eric van der Blom, IHC Merwede, the Netherlands
 Ida Brøker, DHI - Water and Environment, Denmark
 Nicola Clay, HR Wallingford, UK
 Anna Csiti, CEDA, the Netherlands
 Siegfried D'haene, Dredging International, Belgium
 Pol Hakstege, Ministry of Infrastructure and Environment
 Centre for Public Works, the Netherlands
 Axel Netzband, Hamburg Port Authority, Germany
 Polite Laboyrie, Witteveen+Bos, the Netherlands (Chairman)
 Igor Liska, International Commission for the Protection of the Danube River, Austria
 Helmut Meyer, Federal Waterways- and Shipping Administration, Germany

Olivier Piet, CETMEF, France

Gerard van Raalte, Royal Boskalis Westminster, the Netherlands
 Frederik Roose, Ministry of the Flemish Community, Belgium
 Michael Shilin, Russian State Hydrometeorological University, Russia
 Jos Smits, IMDC, Belgium

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
 Katherine Harris, HR Wallingford, UK
 Joël l'Her, CETMEF, France
 Birgit Schubert, Federal Institute of Hydrology, Germany
 Heinrich Roeper, Port of Hamburg, Germany

Retiring from the commission in 2011 with special thanks for his contribution was:

Hugo De Vlieger, Dredging International de Panama (DEME), Panama
 Lindsay Murray, Cefas, UK (*Vice-Chair*)
 Daan Rijks, Royal Boskalis Westminster, the Netherlands
 Javier de la Riva, Port Authority Santander, Spain
 Paul Vercrujisse, IHC Merwede, the Netherlands
 Emmanuele Zanotto, Venice Port Authority, Italy

Strategy Implementation Commission - CSIC

Anna Csiti, CEDA, The Netherlands
 Wim Klomp, DHV, The Netherlands
 Polite Laboyrie, Witteveen+Bos, The Netherlands
 Hendrik Postma, Royal Boskalis Westminster, the Netherlands (*Chair*)
 Bart Verboomen, Baggerwerken Decloedt & Zn (DEME), Belgium
 Loek Verheijen, IHC Dredgers, the Netherlands

Communications Commission - CCC

Kathleen De Wit, IMDC, Belgium (*Chair*)
 Anna Csiti, CEDA, The Netherlands
 Martin van Ommen, IHC Dredgers, the Netherlands
 Bart Verboomen, Baggerwerken Decloedt & Zn (DEME), Belgium
Retiring from the commission in November 2011 with special thanks for his contribution was:
 Jos Claessens, Flemish Dutch Scheldt Commission, Belgium (*Chair*)

Young CEDA

Klavs Bundgaard, DHI, Denmark
 Björn Gäbe, Federal Waterways- and Shipping Administration, Germany
 Katherine Harris, HR Wallingford Ltd, UK
 Martin van Ommen, IHC Dredgers, the Netherlands
 Daan Rijks, Royal Boskalis Westminster, the Netherlands (*Chair*)
 Joanne Ronald, Van Oord UK, UK
 Joris Santermans, MIDC, Belgium (*Treasurer*)
 Denis Seurnyck, Dredging International (DEME), Belgium
 Yi-Bin Shan, Ministry of the Flemish Community, Maritime Access, Belgium
 Andreas Wurpts, University Hannover, Germany
Country representatives:
 Robin Morelissen, Deltares, the Netherlands
 Frederik Roose, Ministry of the Flemish Community, Maritime Access, Belgium
Retiring from the commission in November 2011 with special thanks for her contribution was:
 Kathleen de Wit, IMDC, Belgium (*Treasurer*)

CEDA-Africa Executive Committee

Fogan Kodjo Adegnon, Port Authority of Lome, Togo
 Smain Bachtarzi, Meditram, Algeria
 Abdelhamid Frioui, Meditram, Algeria
 Riahd Hentati, Taparura, Tunisia
 Abdelkebir Hmimou, Drapor, Morocco
 Tarik Jakoukh, Group World Drapor
 Amadou Kane, Port of Dakar, Senegal
 Anouar Khalifa, Agency of Marine and Ports Commerce, Tunisia
 Ahmed Lofthi, Institution for Port Construction, Morocco
 Ahmed Mohktar, Porto of Nouakchott, Mauritania
 Ahmed Ould Mohameden, Port of Nouadhibou, Mauritania
 Jean Piere Oyiba, Oprag, Gabon
 Bara Sady, Port Authority of Dakar, Senegal
 Carlos Da Silvia, Port Authority Guinee Bissau, Guinee Bissau
 Carlos Teixeira, Hidroports, Angola
 El Houssain Youzalen, NC2, Morocco

Retiring from the committee in April 2011 with special thanks for their contributions were:

Youssefi Abdeljabbar, Ministry of Equipment and Transport, Morocco
 Jamal Benjelloun, National Agency of Maritime Ports, Morocco
 Said Hanafi, Drapor SA, Morocco
 Olumide Amos Oluwole, Chemicals & Oil Services, Nigeria
 Ahmed Zinoun, Central Insurance Company, Morocco

CEDA-Belgium Executive Committee

Christiaan Dekeyzer, Jan De Nul
 Christian Demeyer, Witteveen + Bos
 Martin Ockier, Dredging International (DEME)
 Jos Smits, IMDC
 Eric Van den Eede, Waterwegen en Zeekanaal (*Chair*)
 Bart Verboomen, Baggerwerken Decloedt & Zn (DEME)

Retiring from the committee November 2011 with special thanks for their contributions was:

Freddy Aerts, Ministry of the Flemish Community, Maritime Access, (Chairman)
 Jos Claessens, Flemish Dutch Scheldt Commission

CEDA-Netherlands Executive Committee

Aline Arends, Ministry of Infrastructure and Environment
 Ivar Daemen, Van Oord Dredging & Marine Contractors
 Kees van de Graaf, Dutch Dredging
 Dirk Roukema, Blue Pelican Associates
 Bert Kips, IHC Beaver Dredgers
 Bart Pröpper, Royal Boskalis Westminster
 Johan Pennekamp, Deltares, (*Chair*)
 Loek Verheijen, IHC Dredgers

Alternates:

Robbert Jan Nortier, Ministry of Infrastructure and Environment
 Robin Morelissen, Deltares

Retiring from the committee in May 2011 with special thanks for their contributions were:

Simon Burgmans, Van Oord Dredging & Marine Contractors N.V.
 Jelle Visser, Ministry of Infrastructure and Environment

CEDA-United Kingdom Executive Committee

Andrew Birchenough, Cefas
 Steve Challinor, Royal Haskoning UK
 Nicola Clay, HR Wallingford (*Chair*)
 Mike Costaras, HR Wallingford
 Payam Foroudi, Halcrow Group
 Bob Kidd, Westminster Dredging Co
 Martin Maloney, Anthony Bates Partnership
 Lindsay Murray
 Colm Sheehan, Anthony Bates Partnership
 Will Shields, Royal Boskalis Westminster
 Nick Smith, British Waterways
 Brian White, Royal Boskalis Westminster
 Peter Whitehead, ABP Marine Environment Research

Retiring from the committee in 2011 with special thanks for his contribution was:

John Goodwin, Anthony Bates Partnership
 John Mackenzie, Van Oord UK

CEDA Dredging Days 2011 Technical Papers Committee

Anna Csiti, CEDA, the Netherlands
 Ronald van der Hout, Van Oord Dredging & Marine Contractors, the Netherlands
 Claus Iversen, Femern A/S, Denmark
 Bernard Malherbe, Jan De Nul, Belgium
 Johan Pennekamp, Deltares, the Netherlands
 Cees van Rhee, Delft University of Technology, the Netherlands (*Chair*)
 Daan Rijks, Royal Boskalis Westminster, the Netherlands (*Representing Young CEDA*)
 Heinrich Roeper, Hamburg Prot Authority, Germany
 Dirk Roukema, Blue Pelican Associates, the Netherlands
 Marc Sas, IMDC, Belgium
 Marc Van Den Broeck, Dredging International (DEME) Belgium
 Jort van Wijk, IHC Merwede, the Netherlands

WODCON XX Technical Papers Committee – CEDA region

Andrea Barbanti, Intea, Italy
 Pierre-Yves Belan, CEMEX, France
 Michael Costaras, HR Wallingford, UK
 Anna Csiti, CEDA, the Netherlands
 Pierot Gauthier, Drapor, Morocco
 Anders Jensen, DHI- Water and Environment, Denmark
 Johan Pennekamp, Deltares, the Netherlands
 Henrich Röper, Hamburg Port Authority, Germany
 Marc Sas, IMDC, Belgium
 Roberto Vidal, Dravosa, Spain

WODCON XX Executive Committee

Anna Csiti, CEDA, the Netherlands
 Chris De Keyzer, Jan De Nul, Belgium
 Kathleen De Wit, IMDC, Belgium
 Johan Pennekamp, Deltares, the Netherlands
 Eric Van den Eede, Waterwegen en Zeekanaal (*Chair*)
 Ann Wittemans, Dredging International (DEME), Belgium
Retiring from the committee in 2011 with special thanks for his contribution was:
 Freddy Aerts, Ministry of the Flemish Community, Maritime Access, Belgium (Chairman)
 Jos Claessens, Flemish Dutch Scheldt Commission, Belgium
 Hubert Fiers, Dredging International (DEME), Belgium

Forum on Early Contractor Involvement Organising Committee - CEDA Representatives

Anna Csiti, CEDA, the Netherlands
 Wim Klomp, DHV, the Netherlands
 Peter Lundhus, Femern A/S, Denmark, (*Chair*)
 Huub Lavooij, Ministry of Infrastructure and Environment, The Netherlands

Other temporary groups set up for particular tasks for a definite time period

In 2011 the following task groups were operational:

Audit Committee 2011

Kathleen De Wit, IMDC, Belgium (*Chair*)
 Arjan van Egdom, Damen Dredging Equipment, The Netherlands
 Robin Morelissen, Deltares, the Netherlands)

Editorial Board “Environmental Aspects of Dredging” – CEDA Representatives

Nick Bray, HR Wallingford, UK (Chairman)
 Anna Csiti, CEDA, the Netherlands

Editorial Committee CEDA wiki

Andreas Wurpts, University of Hannover, Germany (Chairman)
 Anna Csiti, CEDA, the Netherlands
 Tim Maddock, Van Oord Dredging & Marine Contractors NV
 Wim Vlasblom, Prof Emeritus, Technical University, Delft

CEDA Advisory Group for the EU Marine Strategy Framework Directive

Stefan Aarninkhof, Royal Boskalis Westminster, the Netherlands
 Bart Callaert, Envisan, Belgium
 Nicola Clay, HR Wallingford, UK
 Anna Csiti, CEDA, the Netherlands
 Anneke Hibma, Van Oord Dredging and Marine Contractors
 Anders Jensen, Femern Baelt, now DHI- Water and Environment, Denmark
 Polite Laboyrie, Witteveen+Bos, the Netherlands
 Axel Netzband, Hamburg Port Authority, Germany
 Renaat De Sutter, University of Gent, Belgium
 Retiring from the advisory group in 2011 with special thanks for his contribution was:
 Lindsay Murray, Cefas, UK
 Eugen Jansen, Van Oord Dredging & Marine Contractors, the Netherlands

CEDA Advisory Group for the EU Waste Directive

Pieter De Boer, Ministry of Infrastructure and Environment, (Chair)
 Axel Netzband, Port of Hamburg, Germany
 Nick Smith, British Waterways, UK

CEDA Working Group on Underwater Sound – WGUS

Frederik Goethals, Dredging International (DEME), Belgium
 Martine Holtkamp, MTI Holland, the Netherlands
 Astrid Kramer, Royal Boskalis Westminster, the Netherlands
 Frederik Roose, Flemish Government, Maritime Access, Belgium
 Frank Thomsen, CEFAS, UK (Chair)
 Elena San Martin, ABPmer, UK, (corresponding member)
 Philip Spadaro, Arcadis-US, USA
 Ben Verlinden, Dredging International (DEME), Belgium
 Pim de Wit, Port of Rotterdam, the Netherlands

CEDA Working Group on Climate Change Adaptation as it Affects the Dredging Community

Ida Brøker, DHI - Water and Environment, Denmark
 Jan Brooke, Independent Consultant, United Kingdom
 Pol Hakstege (Chair), Ministry of Infrastructure and Environment, the Netherlands
 Marijn Huijsmans, Witteveen+Bos, the Netherlands
 Maertens Jonas, Dredging International (DEME), Belgium
 Lucas Lowe-Houghton, Van Oord Dredging and Marine Contractors, United Kingdom
 Bernard Malherbe, Jan De Nul, Belgium
 Bram Steijn, Independent Consultant, the Netherlands

CEDA Representatives at international forums and in international groups, working groups**IMO; London Convention (1972) and Protocol (1996):**

Andrew Birchenough, Cefas, UK
 Polite Laboyrie, Witteveen+Bos, the Netherlands

THANK YOU

CEDA, as a small and independent organisation, cannot 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, task groups and so on.

The Board of Directors of CEDA wish to express their gratitude to the following companies and organisations who through their corporate membership contributed to CEDA's work and achievements in the year 2011.

OSPAR Commission

Cor Schipper, Deltares, the Netherlands
 Marie Pendle, HR Wallingford, UK (Intersessional Correspondance Group for the Marine Strategy Framework Directive)

International Commission for the Protection of the Danube River - ICPDR

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

European Union: Water Framework Directive Common Implementation Strategy

Axel Netzband, Hamburg Port Authority, Germany

European Union: Marine Strategy Framework Directive Common Implementation Strategy

Nicola Clay, HR Wallingford, UK
 Anna Csiti, CEDA, The Netherlands
 Frank Thomsen, Cefas, UK; since July 2011: DHI – Water and Environment, Denmark (Technical Subgroup Underwater Noise)

European Union: 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 - WFDNTG

Grahame Newman, British Waterways, UK
 Axel Netzband, Hamburg Port Authority, Germany

Marine Strategy Navigation Group - MSNG

Nicola Clay, HR Wallingford, UK
 Anna Csiti, CEDA, the Netherlands
 Axel Netzband, Hamburg Port Authority, Germany

PIANC Environment Commission

Anna Csiti, CEDA, the Netherlands
 Polite Laboyrie, Witteveen+Bos, the Netherlands

PIANC Envicom WG15: Environmental Aspects of Dredging and Port Construction Around Coral Reefs

Caroline Fletcher, HR Wallingford, UK
 Tom Foster, DHI – Water and Environment, Denmark (Chairing the working group for CEDA)

PIANC Envicom WG 143 (in preparation): Screening Evaluation of Environmental Effects of Navigation and Infrastructure Projects

Ruben Abma, 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 - Water and Environment (S), Singapore

PIANC Marcom WG51 (in preparation): Water Injection Dredging

Edward Debroe, Port of Antwerp, Belgium
 Marcel Van den Heuvel, Van Oord Dredging & Marine Contractors, the Netherlands

PIANC Marcom WG136 (in preparation): Recommendations for Sustainable Maritime Navigation

Steve Challinor, Royal Haskoning, UK

The Corporate Members of CEDA

Members who make a major contribution to our activities for which we thank them

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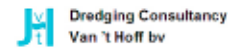
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Dredging Consultancy Van 't Hoff & Partners B.V.

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The Corporate Members of CEDA

Members who make a major contribution to our activities for which we thank them

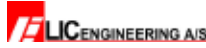
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