



Annual Report 2010



Understanding Dredging



Annual Report 2010



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Word of the President and General Manager

Members, officers and staff,

2010 marked the first year of CEDA's journey towards CEDA Strategy 2009, "The Way Ahead". We are pleased that in this first year of a more strategic way of operations we have made important progress towards our vision and that CEDA remains as vigorous and dynamic as ever.

From CEDA's achievements in 2010 the following stand out most:

- Making the vast amount of knowledge and expertise within our broad membership and our extensive network increasingly available to European Union bodies and expert groups concerned with legislation that affect our members' activities. CEDA engages in this work as an independent organisation and we vigorously safeguard this independent status.
- Young CEDA making a remarkable headway in raising the interest of and involving more and more students and young professionals in the Association and contributing to shaping CEDA, its policy and future.
- Contributing to WODCON XIX in Beijing, China, with over 30 first-rate technical presentations on the latest scientific and technical advances and by actively participating in the formal and informal professional exchange with dredging experts representing all facets of the profession from all over the world.

These achievements and many others described in this report provide a sound foundation for success in the years ahead.

We offer sincere appreciation to all those CEDA members who volunteered their time and expertise to CEDA. We are equally grateful to individuals and their organizations. Without their active participation and invaluable support CEDA would not be what it is today.



From left to right: General Manager, Anna Csiti and President, Anders Jensen



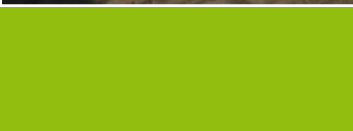
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Member of the World Organisation of Dredging Associations, WODA

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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. CEDA actively strives to contribute towards sustainable development by strongly recommending working with nature. 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.

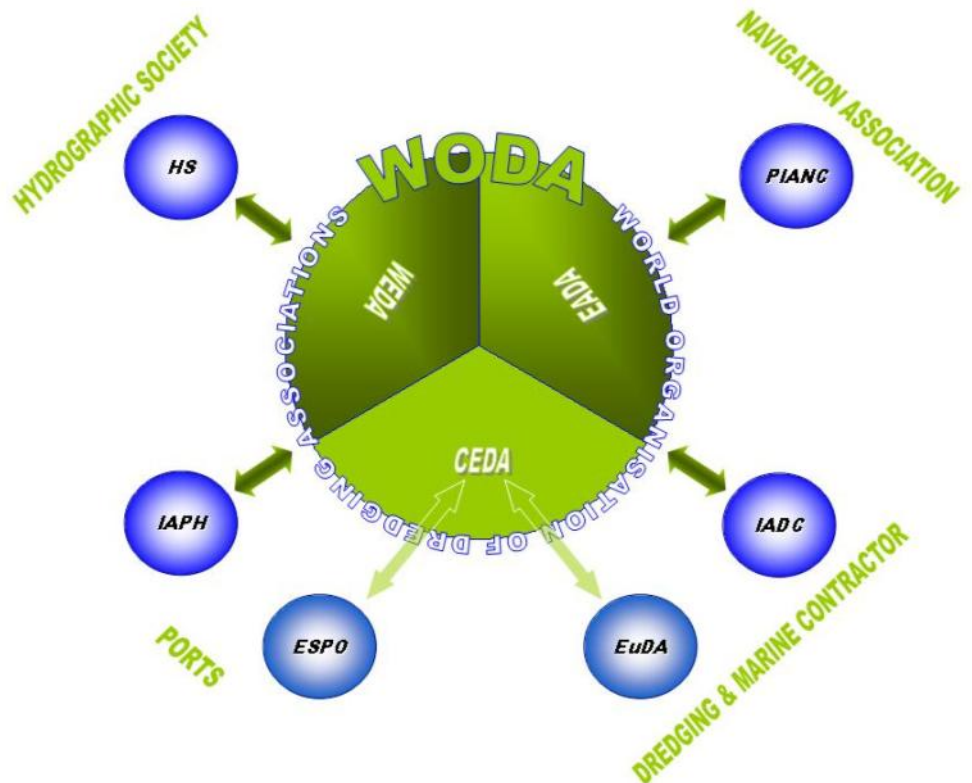
Vision

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.



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 show the diversity and the geographical spread of CEDA's members.

CEDA's striking and scattered membership in a relatively small world-wide sector is the true testament of the need for and value of an organisation such as CEDA for the dredging and marine construction community.

Countries of origin



In 2010 the number of individual members decreased from 551 to 527 members. The number of corporate members also decreased from 127 to 119. This unfavourable change is partly countered by the fact that members from new countries joined, hopefully opening up opportunities for expanding CEDA's membership in those areas.

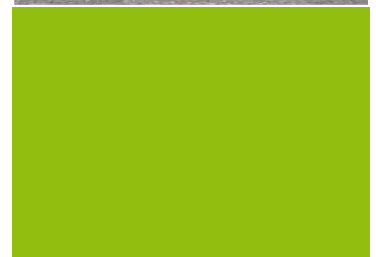
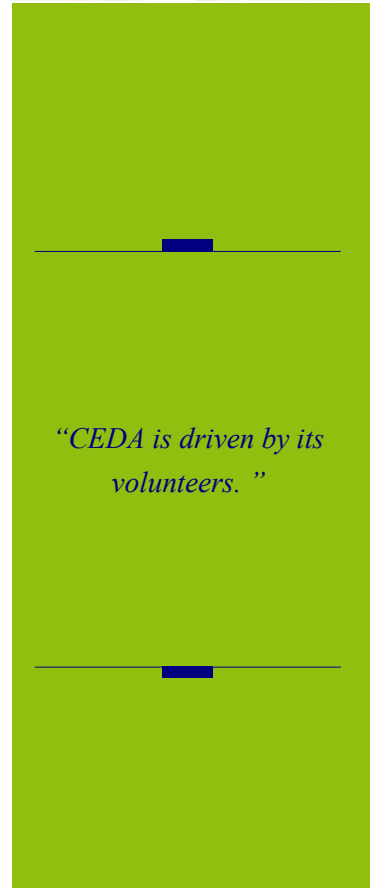
In the year 2010 the following companies/ organisations joined CEDA as Corporate Members:

Arcadis Nederland B.V., Netherlands
 DC Industrial N.V., Belgium
 Prolec, United Kingdom
 Seabed Services AS,
 Stedergroup, Netherlands
 Zeeland Seaports, Netherlands

CEDA cordially welcomes these companies in the CEDA community.

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.



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 Chairmen of these Sections are CEDA ambassadors through whom newcomers can swiftly and easily enter the CEDA community.

Once again CEDA's National Sections succeeded in organising a programme of many meetings; the high attendance of these meetings, established in the preceding years, was kept on a stimulating level throughout the year. The sections managed to list themes of topical interest that attracted much attention. Altogether, CEDA's four National Sections held 14 well-attended meetings/site visits/events over the year 2010. Many of the presentations are available online on the CEDA website on the appropriate National Section pages.

African Section

The African Section organised two international seminars in the fall this year, one in Tunisia and one in Gabon.

International Seminar: "Dredging, Dredging Product & Sustainable Development", Hammamet, Tunisia, 22-24 October 2010

This seminar, attended by some 90 experts, was organised by the Tunisian Committee of the African Section of CEDA under the leadership of Mr Riath Hentati, PDG de la SEACNVS, Tunisia. Spread over three days and presented in five technical sessions, most papers dealt with environmental subjects, in particular environmental monitoring. The CEDA Environment Commission was represented by Mr Bart Callaert, Envisan, Belgium who addressed the audience during the opening ceremony.



Participants of the seminar in Hammamet included experts from public departments and ministries, ports, engineering firms, marine works contractors, academia and students.

International Dredging Conference: "Development of Coastal Areas and Environmental Risks: Strategies for Sustainable Development in West and Central Africa", Libreville, Gabon, 1-3 December 2010

In his opening address Mr Pacôme Ruffin Ondzanga Gabon's minister of environment set the scene for the event saying: "We can rightly deplore the weakness – if not the absence – of strong African initiatives to protect the coastal environment." During this three-day event, experts discussed the ma-

ior challenges and possible ways of fighting coastal erosion and its damaging consequences which are felt throughout the Continent.

The African Section has an important role to play in disseminating relevant information on the subject in which this conference was an important first step.



The conference drew some of the most distinguished experts of coastal development in West and Central African.

Belgian Section

It was a busy year for the Belgian Section, taking into account that the first arrangements had to be made for the organisation of WODCON XX: an Organising Committee was established, a budget was drawn up, a venue was chosen and the first ideas about the program were brainstormed.

Also in 2010, 3 seminars were organised by Young CEDA at the Flemish/Belgian universities where the students were informed about working in the dredging sector by young Belgian professionals.

Apart from those seminars, 3 regular CEDA-Belgium meetings, attended by 35 to 40 people (half of the Belgian membership), were organised.

The following topics were under discussion:

- “Ocean Energy: Wave and Tidal”, followed by a new year reception (January)
- “AMORAS: state of the art technology for mechanical silt treatment”, hosted by Se-ReAnt (March)
- “The enlarging of the Panama Canal” (June)



Amoras. Membrane-ChamberFilter

Finally, the Belgian section organised the 2010 Annual General Meeting of CEDA. The AGM was preceded by a visit to the mechanical silt dewatering plant AMORAS, under construction, in the Port of Antwerp.

AMORAS will provide a permanent solution for recycling and storage of large volumes of silt, dredged in the Port and the Maritime Scheldt.

As the plant will come into operation in April 2011, the visit offered a good idea of the seven treatment steps of the silt: collection in underwater cell; sand separation; hydraulic transport to the plant; consolidation in ponds; dewatering by filter presses; water purification and final deposit of the filter cakes.

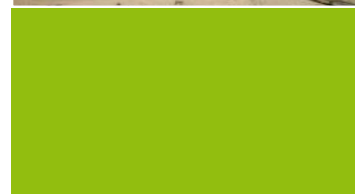
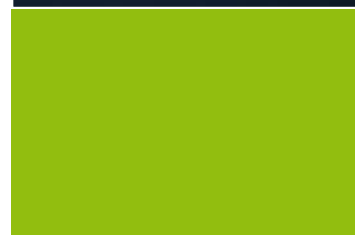
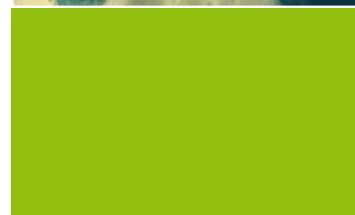
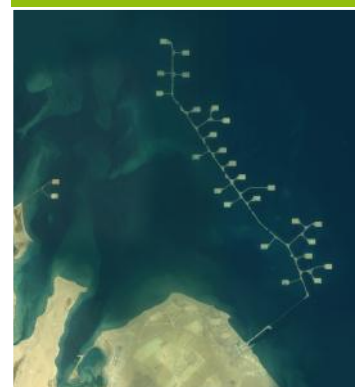
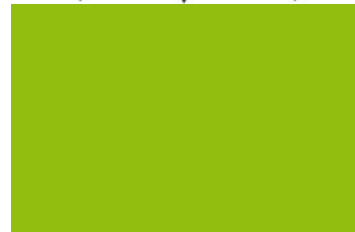
The half day visit was attended by 52 CEDA members.



Visiting Amoras.

British Section

The British National Section of CEDA has been active this year on a number of fronts, including engaging in both national stakeholder groups and continuing its role as an Associated Society of the Institution of Civil Engineers.



In response to the substantial changes in the management and regulation of dredging and dredged material disposal, a half day seminar, “New Legislation for a New Decade”, was held in September. This event attracted about 100 attendees with calls for similar updates to be held on an annual basis. The seminar provided a timely introduction to a number of changes and challenges facing the dredging industry with key speakers from Government Regulators.

A half day meeting was held in December, attendees including government and industry stakeholders, to look at the promotion of the use of dredged material. Guided by CEDA, the meeting included experts from PIANC WG 14, UK Contaminated Sediment Strategy, Waste Management, Marine Dredging Licensing, Environmental Permitting and the Environment Agency Waste Protocol Team. The liaison group agreed a remit including a broader strategic approach to beneficial use, with the aim of developing practical views and approaches such that licensees and regulators can identify beneficial uses and reduce unnecessary disposal of dredged material.

Future programmed meetings of the group will look at developing processes to progress the matter.

CEDA continued the facilitating and informing of stakeholder groups dealing with the implementation of the water framework directive, the EU Marine Strategy Framework Directive, and a workshop assessing the environmental impacts of navigational dredging.



The CEDA Liaison Group for the promotion of the use of dredged material at work.

Dutch Section

The Dutch National Section of CEDA continued in 2010 to provide active and stimulating get-togethers for the Dutch dredging professional community with 6 well attended meetings. Some of these meetings were organized in cooperation with adjacent branch organizations. The topics were:

- “Building with Nature; the first results after the kick start of this research program” hosted by EcoShape (January)
- “Windmill Offshore Energy” together with IRO, the Dutch offshore branch organization (March); more than 220 attendees
- “Maasvlakte 2” together with KNVTS, the Dutch nautical engineers association (April)
- “Safety against floods in the 21st century” hosted by Deltares (May)
- “Modern survey solutions for dredging” together with the Hydrographic Society Benelux (September)
- “Self sailing CSD Athena” hosted by IHC Merwede (November).

In 2010 the attendance of the CEDA-NL meetings was about 100 persons on an average.

Throughout the year 2010 CEDA-members were also invited to join in meetings and workshops of adjacent branch organizations like:

- Maintenance in Dredging of which CEDA-NL is a founding father, (topics: “Dredging on a (silk-)thread”; “Bearings on Board”),
- Hydrographic Society Benelux (topics: “Marine Spatial Data Infrastructure”; “Harbours and their specific survey problems”)
- Technet Delft (topic: “Knowledge exchange market”)

Although it still proves a challenge to increase the attendance of young professionals in the CEDA community, the attendance of young professionals at the national section meetings is growing steadily.



Participants of the Dutch Section meeting organised jointly with HSB are catching up on industry news in an informal, friendly environment.

Events

Conferences and Seminars

As far as conferences and seminars, for CEDA, 2010 was dominated by the most important dredging event for the world-wide dredging community, the World Dredging Congress. The reason is twofold: WODCON XIX took place this year and it will be CEDA's task to organize the next WODCON in 2013.

World Dredging Congresses

WODCON XIX: "Dredging Makes the World a Better Place", Beijing, China, 9-12 September 2010

World Dredging Congresses (WODCONs) are organised once every three years by one of the three sister associations of WODA. First organised in 1967 and held throughout the world since, these congresses have become major highlights of dredging professionals' calendars.

Organised for EADA by its Chinese chapter, the Chinese Dredging Association (CHIDA), WODCON XIX featured some 130 technical presentations (32 of which were poster presentations) from all over the world. CEDA contributed to the programme with 28 high quality peer reviewed papers. The CEDA papers, written by prominent specialists, researchers and engineers, cover a broad range of topics. They describe innovative approaches and solutions in dredging systems and equipment as well as in project design, execution and monitoring. These are a "living proof" that the dredging profession is not only ready to meet the challenges of our times, but is inspired by them.

At the Congress CHIDA presented Best Paper Awards to four authors: one Grand Prize to Liu Ruixiang Ni Fusheng and Zhou Quansheng for their paper "Dredging Simulator of a Cutter Suction Dredger" and three second prizes to one - one author from the CEDA, EADA and WEDA regions. The Best Paper Award from the CEDA region was given to Lynyrd de Wit, Delft University of Technology, the Netherlands, for his paper entitled "Near Field 3D CFD Modelling of Overflow Plumes".

CEDA is grateful to CHIDA and EADA for organising a very informative and memorable event.



WODA Directors and Executives during the closing ceremony of WODCON XIX. From left: Yang Zunwei, Secretary General, CHIDA; Capt. David Padman, Chairman EADA; Anna Csiiti, General Manager CEDA & Secretary General WODA; Anders Jensen, President CEDA & Chairman WODA; Larry Patella, Executive Director WEDA



"Dredging Makes the World a Better Place"



Yang Zunwei, Secretary General of CHIDA (left) presents the Best Paper Award to Lynyrd de Wit, in Beijing.



WODCON XX: “The Art of Dredging”, 3 – 7 June 2013, Brussels, Belgium

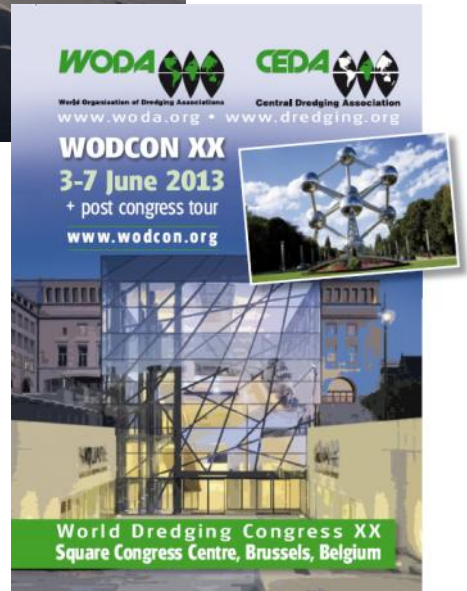
CEDA is delighted that the next WODCON is coming into its own region again and the preparatory works were full in progress already in 2010. CEDA has always sought venues with a maritime flavor for WODCONs. After careful consideration the CEDA Board has decided to hold the event in Belgium, rich in maritime tradition and dredging knowledge and experience, and has invited the Belgian Section to host the event. Under the theme “The Art of Dredging”, WODCON XX will take place in the heart of Brussels, at the Square Congress Centre, on the Mount of Arts, surrounded by museums which are full of old masterpieces. From 3 – 7 June 2013, WODCON XX will bring another type of art to this prestigious Brussels neighborhood – The Art of Dredging – an art which creates new ports, new land and new green recreational areas. More information at: www.wodcon.org

MARK YOUR DIARY!

WODCON XX
“The Art of Dredging”

Date:
 From 3 – 7 June 2013

Venue:
 Square Congress Centre,
 on the Mount of Arts
 Brussels



Freddy Aerts, Chairman of the WODCON XX Organising Committee invites WODCON XIX participants to Brussels.

Events in the Pipeline for 2011

Forum on Early Contractor Involvement: “Partnering Creates Possibilities”, London, UK

23-24 June 2011

This two-day event will bring together top-level decision-makers and their advisors responsible for construction projects to explore the benefits of “contractual partnering” – that is, a co-operation amongst all the contractual players from the very early stages of project development. Early Contractor Involvement can help identify risks, responsibilities and obstacles to co-operation, as well as possible methods to deal with, eliminate or minimize them. Organised by CEDA and IADC, this free-spirited, highly interactive event aims to disseminate existing knowledge and to stimulate new, creative ideas for achieving solutions for “Best for the Project” (win-win).



Member of the World Organisation of Dredging Associations, WODA



During at one of the workshops at the previous CEDA-IADC contract management event in 2007.

CEDA Dredging Days 2011: “Dredging and Beyond”, Rotterdam, the Netherlands, 10-11 November 2011

Dredging is no longer a stand-alone exercise, but is rather becoming part of a broader, more integrated project realization process. The dredging industry is increasingly confronted by projects involving environmental protection, nature development, offshore energy production and mineral mining on the sea floor. It is no longer the era of “Dredging and nothing but dredging”, it is the century of “Dredging and beyond”.

The CEDA Dredging Days 2011 will focus on two main areas where this integrated dredging approach is emerging:

- Dredging and rock dumping for the offshore oil and gas industry and deep-sea mining
- Building with nature for soft and hard dredging solutions (coastal and inland)

Combining the strengths and knowledge within the dredging profession with that within the partnering fields in the above areas presents an enormous innovative potential. CEDA Dredging Days 2011 will bring together a multidisciplinary group of experts to present the newest results of their cooperation and to discuss new requirements and opportunities for improvement.

The call for papers invited representatives of manufacturers, universities, research institutes, contractors, consultants and public authorities working in the dredging, deep-sea mining, offshore oil and gas fields as well as in coastal and inland flood protection to submit papers for the conference.



CEDA Dredging Days: High quality peer-reviewed papers, lively discussions, excellent networking, dynamic and inspiring atmosphere; a must for all dredging professionals.



Technical Visit

Port Expansion Project Gijón, Spain, 27 April 2010

Technical visits are regularly organised by the National Sections and in connection with seminars and conferences. Since 2009 CEDA has been organising standalone site visits exclusively for its members.

Hosted by the Port Authority of Gijón (AGP) and organised and led for CEDA by long-term member and Dravosa Director Roberto Vidal, this was CEDA's second standalone technical visit. The day started at AGP's impressive visitors' centre where the port authority's project director Mario de Miguel Riestra, and its director of infrastructure, José Moyano, told about the immense reclamation work and the unique challenges of the construction of the giant breakwater. Participants – a mix of dredging contractors, government and independent consultants – could see all these for themselves later on. A climb to the hilltop that offered a breathtaking view of the port and its surroundings was followed by clambering up ladders to the top of the breakwater and walking its length. The tour ended with a view of the reclamation work still in progress.

Although the number of participants was somewhat disappointing this year, CEDA is keen to continue offering standalone technical visits in countries where there are no national sections. However a minimum of 20 delegates is needed to make this viable and rewarding for the hosts and the organizers.

Services

In addition to offering a platform for information exchange and networking, CEDA offers a variety of other services to its members. An important service is delivering information via publications as well as online. Another service is the possibility for corporate members to present themselves online at events and in publications including white papers. The digital services and the possibilities for corporate members were expanded considerably in 2009.

Publications

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 CEDA activities. CEDA members have access to the online version of DPC and can browse or download the archives.

On the hill top in Gijón, taking in the port activities.



Dredgers pumping sand into the reclamation area at the Port of in Gijón.



Every CEDA member receives DPC.

CEDA Information Paper: Dredged Material as a Resource: Options and Constraints

Much of the information in this short paper is based on PIANC report no 104, compiled by PIANC EnviCom Working Group 14, which was chaired by CEDA. CEDA promotes the pro-active approach that assumes that dredged material is a valuable resource and its use should be actively sought. This way the chance of finding a project that needs the material is greatly increased and a "win-win" solution that benefits both

projects may be the result. In a concise manner, this CEDA information paper lists the most commonly encountered constraints that prevent the use of dredged material and recommends a number of actions that may help to remove these. For those who are considering the use of dredged material, CEDA recommends the PIANC report and the recent IADC document "Facts about dredged material as a resource" as well as the CEDA - IADC book "Environmental Aspects of Dredging" for further reading. The document can be downloaded from the CEDA website. Select Publications & Resources / Downloads.

A CEDA Information Paper - June 2010



Dredged Material as a Resource: Options and Constraints

Dredging is essential for the maintenance and development of ports, harbours and waterways for navigation, recreation and flood management. This generates large volumes of dredged material. This material can be a valuable resource although much of it is currently disposed because of economic, logistical, legislative or environmental constraints.

Although not common practice in all parts of the world, there is a growing recognition that dredged material is a valuable resource and an inherent option in creative solutions for its use. The use of dredged material has a major contribution to make to sustainable development and can reduce the quantities of primary resources needed for activities such as construction and habitat creation. Some countries already make extensive use of dredged material, for example in Japan in 2005 more than 90% of dredged material was used. In other countries a number of constraints have prevented more extensive use. These include higher costs than traditional disposal, complex and inconsistent legislation and regulations, the difficulty of finding suitable schemes for using the material at the appropriate time or location, the mixed products and sometimes a negative public perception.

Recently it has been recognised that the complete removal of dredged material from a natural system may alter the morpho-dynamic structure and ecological functions of the system, and that an alternative may be to maintain the sediment supply within the local system by exchange as well as create existing structures and functions. Such practices have been defined as sustainable substrates or substrate call maintenance and should be considered as one of the many possible uses of dredged material. In some situations it is appropriate to consider such management techniques prior to any use of the material outside the intertidal zone system. A survey of the disposal and use of dredged material in Europe conducted by CEDA in 2005 showed that less than 10% was used. However this figure did not include sustainable relocation to river and near coast zones and it was estimated that a further 30% was used this way. Examples include the river Scheldt where dredged material is exchanged into both North and Belgian sections and in the UK Humber Estuary where an average of 7 million cubic metres of material is deposited annually within the estuary system.

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Thinned dredged material is used to prepare a beautiful site for building (Foster Project, Belgium).

Tip: Avoid use of the sea.

Bottom: Dredged material is being stored and sorted.




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 and CEDA's involvement in the process.

Conference and Seminar Presentations

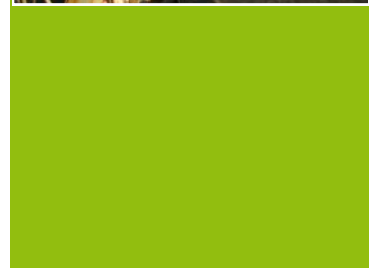
Some 90% of the presentations made at CEDA conferences and seminars are made available to the public on the dedicated CEDA website (www.cedaconferences.org) some 3-4 months after a particular event. Participants at these events and corporate members of CEDA have access to these files without delay. The popularity of these online documents is clearly demonstrated by web statistics.



Viewing a presentation online can never replace hearing it from and perhaps discussing it with the speaker during the event.



The CEDA Information Papers can be downloaded from www.dredging.org.
Select Publications & Resources.





Central Dredging Association

Member of the World Organisation of Dredging Associations, WODA



*Young CEDA:
“challenge the Board
with new ideas and pro-
vide constructive feed-
back”*



New Books with Discount for CEDA Members

This year CEDA added 6 books to the set of books that can be ordered from the publisher with a 25% CEDA member discount (see www.dredging.org).

Digital Services

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 information. More and more employees of Corporate Members make use of the opportunity to open personal accounts so that they can directly receive CEDA e-notices and e-newsletters even in the absence of the CEDA Contact Points for their companies/organizations.



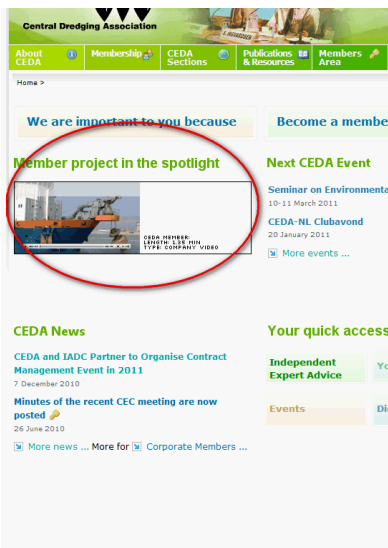
The CEDA website keeps members up to date on CEDA activities.

Services to Corporate Members

Corporate Members of CEDA have the opportunity to promote their products and services directly to the CEDA members 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 links to the company sites is one of the most frequently visited pages on the site (not for the wrong reason, as e-mail addresses are protected).



CEDA Member video featured on the CEDA website.

In the focus: Young CEDA

In 2009 the youngest commission within CEDA, suitably named “Young CEDA”, was formed. Originally named the Development Committee, its main objectives are to involve younger members in CEDA and challenge the Board with new ideas and provide constructive feedback. In the first year Young CEDA concentrated on creating a sound basis for future years. It formulated a mission statement, a set of objectives, ensured that a younger member was involved in (almost) each CEDA commission and started with the organization of activities in 2010.

In 2010, Young CEDA concentrated on three specific areas.

The first area of focus was communication. To be able to reach as many younger members as possible Young CEDA:

- created a dedicated Young CEDA section on the CEDA website containing information on the commission members but also upcoming activities and accounts and photos of past activities;
- printed a Young CEDA brochure;
- created a Young CEDA mailing list so that young members can be reached quickly and effectively to update them on new activities, request for ideas, questions etc.

Further, YC regularly provides input for the CEDA newsletter and DPC articles.

the managing director of the Maasvlakte 2, Frank Verhoeven, chairman of the Dutch Association of Dredging Contractors, Tiedo Vellinga (environmental issues) and Menno Steenman (contract choice and –management).

Afterwards, participants of the presentation were invited to visit the new land on a guided bus tour along a new 4.5 km long road accompanied by lively commentary from Leonard Kok of PUMA. During the tour, participants saw the dredging activities (hoppers and cutters), the construction of the first quay wall and the impressive E-Crane better known as the Blockbuster (40-50 ton concrete blocks). Although the sun was hidden behind the clouds, the excursion ended at a beach club with a great BBQ.



Diéuwertje Klazinga explains what it is like working as a woman in the dredging world.

Under the main theme “Working in Dredging” Young CEDA organised an extremely successful series of seminars: 3 in Belgium and 1 in The Netherlands. The partners in and hosts of these events were the Universities of Ghent and -Leuven and the Ghent Catholic University College (KAHO) in Belgium, and the Delft University of Technology in The Netherlands. During each of the seminars, three young speakers representing government, consultants and contractors spoke about their experiences in the dredging sector in the first years of their careers. The thoughtful selection of speakers allowed attendees to get a good insight into working in each sector. Some 60 – 80 students and young professionals attended these meetings. After the formal talks there was ample opportunity for informal networking during snacks and drinks.

As a third area of work, Young CEDA actively participated in various CEDA Commissions and in the CEDA Board discussions with the intention to provide suggestions and feedback to make proposed actions attractive for younger members. In the beginning of 2010, Young CEDA submitted an overall memo with several suggestions for topics and issues for future CEDA Information Papers including propositions to improve the efficiency and speed at which these papers could be made. These proposals and recommendations were well-received and both the Board and the Commissions acted on those without delay.

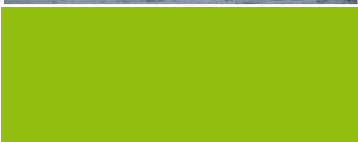


Daan Rijks, Chairman of Young CEDA, welcomes participants to the meeting at the Delft University of Technology and talks about Young CEDA.

The second area of focus was organising interesting programmes for students and young professionals that are both educational and entertaining.

In the spring, Young CEDA organized a unique technical excursion to the 1000ha Port of Rotterdam port expansion project Maasvlakte 2. Over 100 young professionals visited the land reclamation site that is being constructed by PUMA, a consortium of two Dutch dredging contractors, Boskalis and van Oord. Young CEDA organized the excursion together with several other young organizations representing PIANC, Dutch Association of Dredging Contractors (DADC), Port of Rotterdam and Directorate-General of Public Works and Water Management Directorate South Holland.

The excursion started in the information Centre of Maasvlakte 2, Futureland, with a series of presentations by Ronald Paul,



AMORAS (Antwerp, Belgium)



Kathleen de Wit during one of the three meetings held in Belgium.

A look to 2011: Targets for the next years

Young CEDA will continue the work and activities from 2010. The most important activity is the CEDA Dredging Days in November of 2011. Young CEDA is actively involved in the organization and will assist in any way possible.



Magali Bruggeman, has the floor in a room packed with students and professionals at the Catholic University College, KAHO at Ghent.

Furthermore, Young CEDA will improve its means of communication by starting up a LinkedIn Young CEDA group through which Young CEDA can start up discussions and present new activities. There are plans to continue with the ‘Working in Dredging’ seminars in other countries such as the UK and Germany. Another technical excursion will be organised in the Netherlands in the autumn.

Young CEDA is also looking at possibilities to expand the commission whilst keeping a much needed geographical and professional balance in the constitution of the commission member group. Members are sought in particular from southern Europe, but anyone interested in helping to organize an activity is most welcome. At the same time, Young CEDA is investigating whether there is any interest to set up young sections in CEDA’s sister organizations, WEDA and EADA. Young CEDA are keen to share experience in any way possible.

Special Feature: Marine Strategy Framework Directive.

Formed in 2009 and chaired by CEDA, the Marine Strategy Navigation Group (MSNG) is a “thematic cluster” of navigation sector bodies that co-ordinates the exchange of knowledge, experience and views of the participating associations and provides professional advice for the implementation of the EU Marine Strategy Framework Directive (MSFD).

MSNG members include:

- Central Dredging Association
- European Boating Association
- European Boating Industry
- European Community Shipowners Association
- European Dredging Association (Corresponding Member)
- European Seaports Organisation
- International Council of Marine Industry Associations
- International Navigation Association
- International Salvage Union

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

Why is CEDA involved and what is CEDA’s role on the MSNG?

CEDA has welcomed the adoption of the MSFD and supports the principle of protecting the marine environment across Europe whilst, importantly, allowing sustainable uses to continue. Within CEDA’s broad membership considerable knowledge and expertise is available about several MSFD topics. CEDA is working to make this expertise, as well as its extensive network, available to the Commission during the implementation of the MSFD, whilst maintaining CEDA’s independent status.

The MSNG is represented on key Commission working and action groups, including the Working Groups on Good Environmental Status, and Economic and Social Assessment. MSNG representation is also planned for the new sub-group on marine litter.

What has the MSNG achieved during 2010?

Of interest to the navigation sector is the development of criteria and standards for determining Good Environmental Status (GES). The MSFD lists 11 qualitative descriptors that will be used to quantify GES. Those of particular relevance to the navigation and dredging sectors include:

- Biological diversity
- Non-indigenous species
- Sea-floor integrity
- Hydrographical conditions
- Concentrations of contaminants
- Energy (including underwater noise)

The MSNG has made several formal submissions to the Working Group on GES highlighting potential issues of concern to the navigation sector and proposing alternative approaches. MSNG is pleased to note that many of its comments were satisfactorily addressed by the Commission in its important paper on the criteria and standards for determining GES. This demonstrates that the MSNG, as a stakeholder group, is effective and that our contribution is valued by the Commission.

Also of key importance is the economic and social assessment of the implementation of the MSFD. The Directive allows Member States to define their own programmes of measures, which may result in inconsistent measures across Member States, altering the level playing field for cross-boundary sectors like navigation. In submissions to the Commission, the MSNG continues to stress, inter alia, the importance of maintaining a level playing field.

Throughout its submissions the MSNG continues to highlight the overlap between the Water Framework Directive (WFD) and MSFD and stress the importance of avoiding duplicating measures in coastal waters (where the large majority of dredging and disposal activities occur). Measures to improve the quality of coastal waters have been implemented through the WFD river basin planning process. Where these measures adequately address objectives under the MSFD, no additional action may be required.

CEDA MSFD Advisory Group

Within CEDA, work relating to the MSFD is carried out under the auspices of the CEDA Environment Commission. A dedicated task group called CEDA MSFD Advisory Group has been set up as a consultation platform for developing the CEDA position on particular issues. With 10 members, this group acts mainly as a corresponding group and meets when the need arises.

The full text of the MSFD, the MSNG position papers and documents produced so far can be found on the CEDA web site at www.dredging.org/MSFD.

Commissions

Strategic Implementation Commission - SIC

With the adoption of “The way ahead - CEDA Strategy 2009” the Board of Directors 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. SIC’s task is to make certain that CEDA keeps on with this objective. Unless required otherwise, SIC meets once a year.

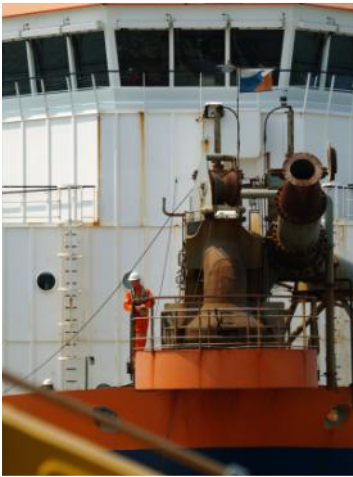
In the 2010 regular meeting SIC reviewed compliance with the general guidelines for implementing CEDA Strategy 2009 and the progress with CEDA Action Plan 2010. Based on the review results SIC developed recommendations for the CEDA Board of Directors, which were subsequently endorsed. These recommendations primarily relate to making 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. As a consequence, in the future, CEDA members will more often receive invitations to join CEDA working groups or task groups or to undertake voluntary or commissioned work for CEDA. As the very first example, the CEDA Working Group on Underwater Noise could be mentioned, which will start work early in 2011. National Sections will be more frequently invited to undertake certain tasks for CEDA as a whole. More attention will also be paid to more evenly distributing work within the CEDA Board and the various Committees. Members of these are also encouraged to more actively engage colleagues or possibly business partners in various CEDA activities and projects.

SIC noted that the response of Corporate Members was less enthusiastic than expected to the possibility to publish commercial white papers in the CEDA e-Newsletter and on the CEDA web site and/or to place a short video on the front page of the CEDA web site. SIC however, recommended continuing with this service one more year with a slightly different approach. SIC came to the same conclusion with regard to the standalone technical visits. SIC also offered advice on the draft CEDA Action Plan 2011 and commented on the draft budget for the year 2011. The conclusions in this regard can be seen in different sections dealing with future activities in this report.

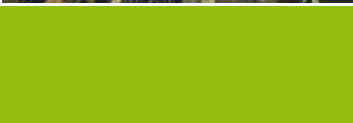
Environment Commission – CEC and CEDA’s International Representation

The Environment Commission, established in 1991, aims to promote the education and instruction of CEDA members and others in the field concerned with dredging and dredging-related activities with an emphasis on environmental aspects. Another aim is 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, CEC aims to be pro-active in providing expertise in relevant policy making activities. CEC members are made up of expert representatives from regulators, consultants, researchers and port authorities as well as dredging contractors from across the CEDA region. This Commission is a vital network for the exchange of knowledge and experiences in environmental aspects of dredging. It is also a centre for communication and training on this subject and a platform for promotion of dredging as a tool for sustainable development.

The activities of CEC come together in the meetings. These are often combined with a project visit and/or with a seminar. The primary goal of the meetings is to give an update on all the ongoing activities and to discuss and decide on emerging issues, to generate new ideas, and to exchange information on new developments. As a new initiative, to increase efficiency and to shorten action-time, actual working sessions are incorporated in the meeting agenda. Every year there are two commission meetings. In May 2010 there was a meeting in Hamburg hosted by the Port Authorities and in October 2010 there was one in Utrecht, The Netherlands hosted by Rijkswaterstaat.



The venue of the London Convention Consultative Meeting at the IMO in London.



International representation

In order to be able to be pro-active on legislation CEC is active in a number of international bodies.

IMO- London Convention (1972) and its updated London Protocol (1996: IMO- LC/LP)

IMO-LC/LP was one of the first global conventions to protect the marine environment from human activities; it is the most widely applicable international regulatory instrument. The objective is to promote the effective control of all sources of marine pollution and to take all practicable 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 and Protocol. CEDA undertakes this work on behalf of WODA and actively participates in meetings and relevant working groups to provide independent expert advice to help shape policy development. The overarching aim 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. At this moment 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.
- Developing a training set for the application of low-technology techniques for assessing dredged material as an extension to the LC/LP Waste Assessment Guidelines (WAG). This document is to be finished in 2011.

OSPAR Convention

The OSPAR Convention is one of the regional conventions - named the Oslo and Paris 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 disposal is carried out within contracting countries. CEDA has also an official Non-Governmental Observer (NGO) status on the OSPAR meetings. In this convention, regulating sand and gravel mining, the effects of underwater noise and spatial planning are relevant for CEDA members at the moment.

European Union

In the last decade CEDA has become increasingly active as a source of unbiased technical information on European level concerning the implementation of EU Directives that may affect CEDA members' current and future activities. In 2010 CEDA has been active in relation to three Directives. We are an official stakeholder on the Strategic-Co-ordination Group of the Water Framework Directive and in the Strategic Co-ordination Group of the Marine Strategy Framework Directive. CEDA is chairing and representing the so-called Marine Strategy Navigation Group (MSNG) which comprises 9 international associations with an interest in dredging and marine navigation. Also CEDA joined discussions on how to deal with underwater noise and setup a CEDA Working Group on the subject.

It is evident that in general dredged material should not automatically be regarded as waste material. In most cases it can be seen as a resource. In April 2010 CEDA organised a workshop entitled "Dredged Material and the Implementation of the New EU Waste Directive" in co-operation with EUDA and ESPO. The goal of the workshop was (1) to explore the possibilities to develop a generic approach to assess the hazardous properties of dredged material and (2) to provide guidance on how the approach is to be implemented by member states as part of the revised Waste Directive implementation and consistent with existing best practices, other EU directives and international conventions. As one of the results of the Workshop, CEDA was invited to join the COM Working Group that develops criteria for distinguishing hazardous / non-hazardous waste (H14), which CEDA accepted.

In 2010 the CEC has worked on the following CEDA Information Papers:

- Dredged Material as a Resource: Options and Constraints.
- How to monitor (control) the Environmental Impact from Dredging and Placement Operations
- Climate Change Adaptation and its Effects on the Dredging Community
- Underwater Noise
- Can dredging improve ecosystem services?

The first of these has been completed, the others are due for publication next year.

The CEC Best Paper Award 2010 was given to Stefan Aarninkhof and his colleagues at Ecoshape. Entitled "Sustainable Development of Nourished Shorelines. Innovations in Project Design and Realization" the paper was presented at the 32nd PIANC Congress. CEC established its Best Paper Award to stimulate the dissemination of good quality information related to dredging and the environment. The Award is granted annually.

As part of its on-going cooperation with PIANC EnviCom, CEC contributed to the EnviCom paper entitled "Reducing lead times for waterways and port infrastructure projects". At the invitation of PIANC, CEC chaired the session "Dredging and Sediments" at the mentioned congress.

Finally, CEDA is represented in the PIANC EnviCom working group 150 "A Practical Guide for a Sustainable Port"



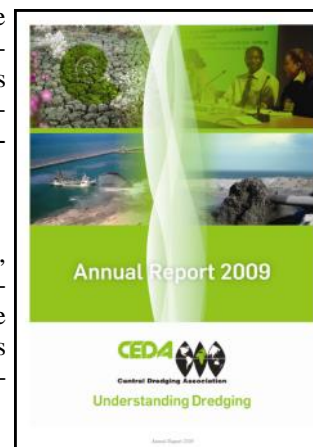
Stefan Aarninkhof (left) receives the CEC Best Paper Award 2010 from Jan van Hoff (former CEDA Director) at the PIANC Congress.

Communications Commission - CCC

In April 2010 the first formal CEDA annual report was published, offering information about CEDA's organisation, its activities in 2009, the objectives for 2010 and a short list of all the people volunteering for CEDA. This short list turned out to be a "long" list showing how many members spent part of their time on CEDA. As a recognition of their effects, the CCC intends to publish the actualised version of this list yearly.

As a second action, the CCC made the arrangements needed to introduce CEDA to the offshore sector in the region. Indeed, dredging and offshore companies work in the same environment, sometimes on the same project, and are often complimentary. They certainly have common interests and cooperation may be beneficial for both sectors. That is also why the 2011 Dredging Days theme is chosen to be "Dredging and Beyond" with special attention to the offshore interests in dredging.

Lastly, the CCC made an analysis of the revamped CEDA website. The main conclusion was that, in relation to the relatively limited number of CEDA members, the CEDA website was visited frequently by a vast and steady group of users, very well knowing what they were looking for. The pages about publications and downloadable documents, conferences and national section meetings details and the list of corporate members were visited most. Consequently, the CCC intends to expand these services where possible.



Finances

Balance sheet 2010

Expenditures			Income	
	k€			k€
Office and governance	39,3	Membership fees		
Staff	115,3	Individual members		34,9
		Corporate Members		198,9
Environment Commission	2,0	Interest and exchange diff.		2,9
Young CEDA	2,3	Income from events/sponsoring		19,7
Services and DPC subscription	36,8			
National Sections				
African Section	6,0			
Belgian Section	9,3			
British Section	3,9			
Netherlands Section	11,9			
Promotion CEDA and its Corporate Members	2,8			
Provisions	15,5			
Sundries	7,0			
TOTAL	252,1	TOTAL		256,4
RESULT				4,3
RESERVES				257,8

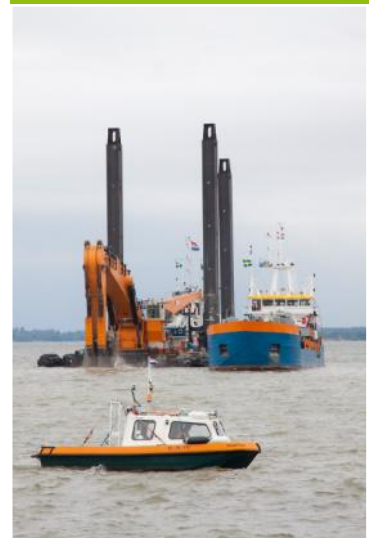
Figures

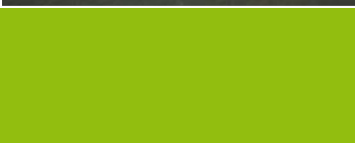
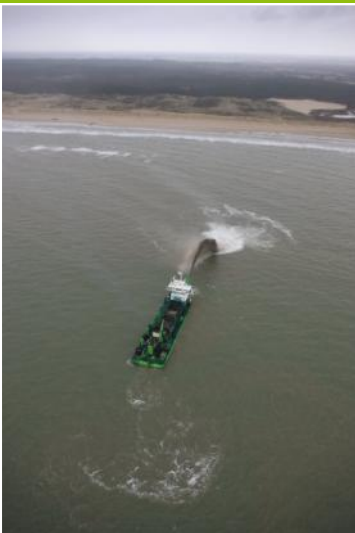
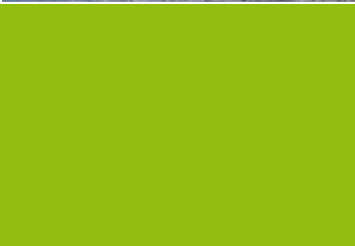
Individual CEDA members:	527
Corporate CEDA members:	119
National Section meetings:	18
International representations:	22
Expenditure 2010:	€252.110
Budget 2011:	€272.147

Objectives for 2011

In addition to our regular activities, including the meetings of the National Sections and expert representation of CEDA members and the profession at large at various international forums, the plans for 2011 include the following:

- To push ahead with the recommendations of the Strategic Implementation Commission and to put more effort into actively engaging a larger number of members in our work and making it a rewarding experience.
- To set once again a new benchmark and make our flagship conference, CEDA Dredging Days 2011, an outstanding success. “Dredging and Beyond” will powerfully demonstrate that dredging is no longer a stand-alone exercise, but rather is becoming part of a broader, more integrated project realization process: the days of “dredging and nothing but dredging” are over.
- To organise in partnership with IADC a free-spirited, unique event, “Partnering Creates Possibilities” and convince all attendees of the benefits of adopting the philosophy of “contractual partnering” for achieving solutions “Best for the Project” (win-win).
- To make a big leap forward towards fulfilling our objective of CEDA as an “easily accessible up-to-date knowledge centre” by launching the CEDA Digital Library.
- To complete and publish the following CEDA information papers:
 - * How to monitor (control) the Environmental Impact from Dredging and Placement Operations
 - * Climate Change Adaptation and its Effects on the Dredging Community
 - * Underwater Noise
 - * Can dredging improve ecosystem services?
- To actively contribute to the revision of the London Convention Dredged Material Assessment Framework.
- To broaden the CEDA membership by attracting companies from the offshore oil and gas fields and by doing so increasing CEDA’s value as a networking platform.
- To continuously seek ways of bringing more value to the members.
- To continue organizing activities and seminars to attract and involve young CEDA members in the CEDA organization

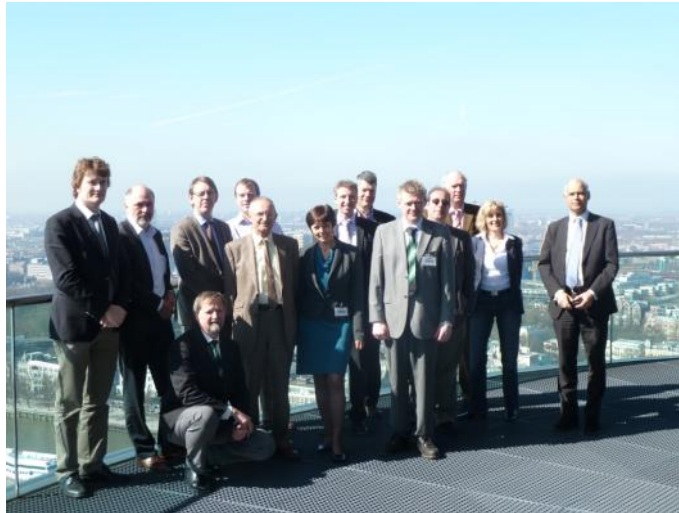




Organisation

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 2009 the Board of Directors counts 14 members from 6 different countries. The next election will take place in November 2011.



CEDA Board of Directors. From left - First row: Johan Pennekamp, Jos Claessens, Anna Csihi, Anders Jensen. Second row: Bart Verboomen, Hendrik Postma, Freddy Aerts, Daan Rijks, Loek Verheijen, Wim Klomp, Michael Costaras, Cees van Rhee, Claudia Flecken, Polite Laboyrie

Annual General Meeting

The Annual General Meeting (AGM) in 2010 took place in Antwerp, Belgium, hosted by the Belgian Section of CEDA. During this AGM, the president gave a brief overview of the activities and achievements in 2010. The AGM was preceded by a visit to the silt treatment plant AMORAS, under construction, in the Port of Antwerp.



Prof. Cees van Rhee, Secretary / Treasurer of CEDA presents the financial results at the AGM.



Member of the World Organisation of Dredging Associations, WODA

CEDA Secretariat

The day-to-day management of CEDA is carried out by a permanent Secretariat based in Delft, the Netherlands. In 2010 CEDA employed two staff members with 1.74 full time equivalents: Dr. ir. Anna Csiti, general manager and Ms. 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.

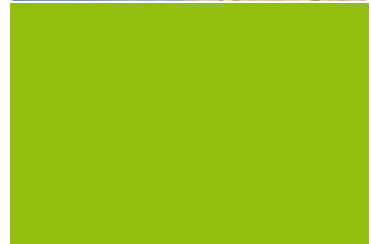
Apart from the central CEDA secretariat, every National Section organises its own national secretariat.

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, during the closing ceremony of WODCON XIX in Beijing, Capt. David Padman, the newly elected Chairman of EADA handed over the reins to the new WODA Chairman, Anders Jensen, CEDA President. In Polite Laboyrie, Chairman of the CEDA Environment Commission the WODA Environment Commission also has a new Chairman.



Capt. David Padman, newly elected Chairman of EADA hands over the reins of WODA to Anders Jensen, CEDA President.



CEDA Volunteers

A word of thanks to all the volunteers working for the benefit of CEDA. All those silent and 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 companies time. Thanks for this too.

In 2010 the (wo-)manning of CEDA's voluntary based units was as follows.

Board of Directors

Elected Members

Freddy Aerts, Ministry of the Flemish Community, Maritime Access, Belgium (*Chairman CEDA-Belgium Executive Committee*)

Andrew Birchenough, Cefas, UK

Jos Claessens, Flemish Dutch Scheldt Commission, Belgium (Vice-President and Chairman Communications Commission - CCC)

Michael Costaras, HR Wallingford, UK (*Chairman CEDA-UK Executive Committee*)

Tjibbe van Ellen, DHV, The Netherlands

Claudia Flecken, Hamburg Port Authority, Germany

Tarik Jakhoukh, Drapor, Morocco (*Chairman CEDA-Africa Executive Committee*)

Anders Jensen, Femern A/S, Denmark (*President*)

Johan Pennekamp, Deltares, The Netherlands (*Chairman CEDA-Netherlands Executive Committee*)

Hendrik Postma, Royal Boskalis Westminster, The Netherlands (*Chairman Strategy Implementation Commission - SIC*)

Cees van Rhee, Delft University of Technology, The Netherlands (*Secretary/Treasurer*)

Jan Vandenbroeck, S.D.I., France

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

Loek Verheijen, IHC Dredgers, The Netherlands

Ex officio Members

Polite Laboyrie, Ministry of Infrastructure and Environment, The Netherlands (*Chairman Environment Commission - CEC*)

Daan Rijks, until April 2010: DHV; from April 2010 Royal Boskalis Westminster, The Netherlands (*Chairman Young CEDA*)

General Manager

Anna Csiti, The Netherlands

Commissions, Committees

Environment Commission - CEC

Ida Brøker, DHI - Water and Environment, Denmark

Nicola Clay, HR Wallingford, UK (*joined in May 2010*)

Anna Csiti, CEDA, The Netherlands

Axel Netzband, Hamburg Port Authority, Germany (*joined in May 2010*)

Polite Laboyrie, Ministry of Infrastructure and Environment, The Netherlands (*Chairman*)

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

Helmut Meyer, Federal Waterways- and Shipping Administration, Germany

Lindsay Murray, Cefas, UK (*Vice-Chairwoman*)

Hugo De Vlieger, Dredging International de Panama, Panama

Olivier Piet, CETMEF, France

Gerard van Raalte, Royal Boskalis Westminster, The Netherlands

Daan Rijks, until April 2010: DHV; from April 2010 Royal Boskalis Westminster, The Netherlands

Frederik Roose, Ministry of the Flemish Community, Belgium

Michael Shilin, Russian State Hydrometeorological University, Russia

Paul Vercrujssse, IHC Merwede, The Netherlands

Javier de la Riva, Port Authority Santander, Spain

Jos Smits, IMDC, Belgium (*joined in October 2010*)

Emmanuele Zanotto, Venice Port Authority, Italy

Corresponding Members

John Dobson, EADA, Australia

Valerie Penchev, Black Sea Coastal Association, Bulgaria

Craig Voigt, Ocean and Coastal Protection Division, USA

Shuho Yano, Mitshubitsi Heavy Industries, Japan

Retiring from the commission in May 2010 with special thanks for his contribution was:

Heinz Glindemann, Hamburg Port Authority, Germany

Alternates to CEC members

Stefan Aarninkhof, Royal Boskalis Westminster, The Netherlands

Siegfried D'haene, Dredging International, Belgium

Katrin Grünwald, Federal Institute of Hydrology, Germany

Pol Hakstege, Ministry of Infrastructure and Environment, The Netherlands

Katherine Harris, HR Wallingford, UK

Heinrich Roeper, Port of Hamburg, Germany

Strategy Implementation Commission - SIC

Anna Csiti, CEDA, The Netherlands

Tjibbe van Ellen, DHV, The Netherlands

Polite Laboyrie, Ministry of Infrastructure and Environment, The Netherlands

Hendrik Postma, Royal Boskalis Westminster, The Netherlands (*Chairman*)

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

Loek Verheijen, IHC Dredgers, The Netherlands

Communications Commission - CCC

Jos Claessens, Flemish Dutch Scheldt Commission, Belgium (*Chairman*)

Anna Csiti, CEDA, The Netherlands

Martin van Ommen, IHC Dredgers, The Netherlands

Bart Verboomen, Baggerwerken Decloedt & Zn, Belgium

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, April 2010 DHV, from April 2010 Royal Boskalis Westminster, The Netherlands (*Chairman*)

Joanne Ronald, Van Oord UK, UK

Denis Seuryncck, DEME / Dredging International, Belgium

Kathleen de Wit, IMDC, Belgium (*Treasurer*)

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 December 2010 with special thanks for his contribution was:

Leann Nipius, Royal Boskalis Westminster, The Netherlands

CEDA-Africa Executive Committee

Fogan Kodjo Adegnon, Port Authority of Lome, Togo

Youssefi Abdeljabbar, Ministry of Equipment and Transport, Morocco

Smain Bachtarzi, Meditram, Algeria

Jamal Benjelloun, National Agency of Maritime Ports, Morocco

Abdelhamid Frioui, Meditram, Algeria

Said Hanafi, Drapor SA, Morocco

Riahd Hentati, Taparura, Tunisia

Abdelkebir Hmimou, Drapor, Morocco

Tarik Jakoukh, Group World Drapor

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

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PIANC Marcom WG51 (in preparation): Water Injection Dredging

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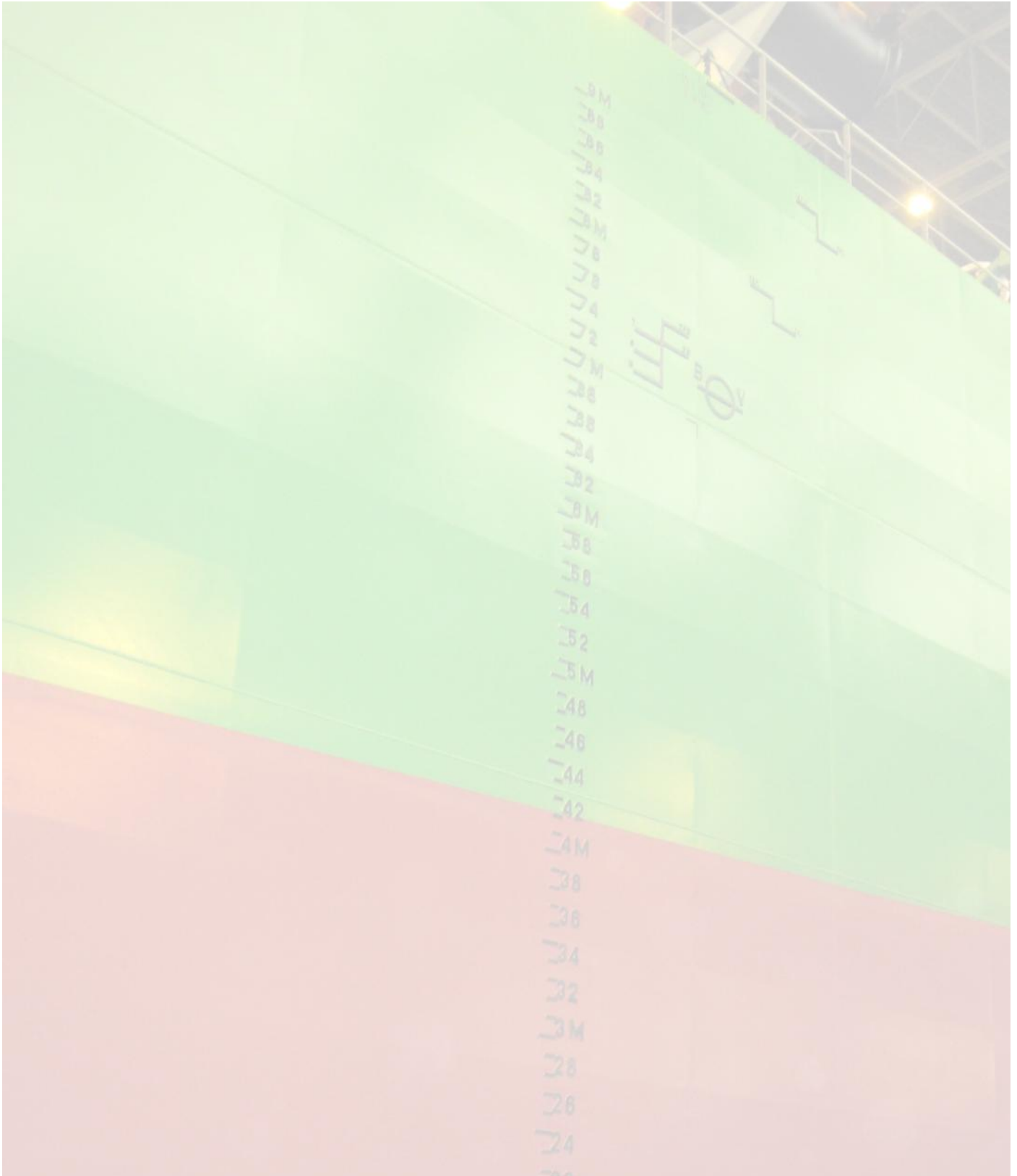
PIANC Marcom WG136 (in preparation): Recommendations for Sustainable Maritime Navigation

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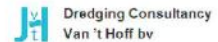
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We make your life easier by working with and advising such regulatory organizations as the London Convention and Protocol, the OSPAR Commission and relevant European Commission expert groups on how to make environmental legislation workable

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