



ANNUAL REPORT 2016



INTERNATIONAL ASSOCIATION OF DREDGING COMPANIES

MEMBERSHIP LIST

AFRICA

- BKI Egypt for Marine Contracting Works S.A.E., Cairo, Egypt
- Dredging International Services Nigeria Ltd, Ikoyi Lagos, Nigeria
- Jan De Nul Dredging Limited, Port Louis, Republic of Mauritius
- Nigerian Westminster Dredging and Marine Ltd., Lagos, Nigeria
- Van Oord Dredging and Marine Contractors B.V. – Angola, representation office in Luanda
- Van Oord Mozambique Ltda., Maputo, Mozambique

ASIA

- Beijing Boskalis Dredging Technology Co. Ltd., Beijing, PR China
- Boskalis International (S) Pte. Ltd., Singapore
- Boskalis Smit India LLP, Mumbai, India
- Dredging International Asia Pacific (Pte) Ltd., Singapore
- Hyundai Engineering & Construction Co. Ltd., Seoul, Korea
- International Seaport Dredging Private Ltd., New Delhi, India
- Jan De Nul Dredging India Pvt. Ltd., India
- Jan De Nul Singapore Pte. Ltd., Singapore
- P.T. Boskalis International Indonesia, Jakarta, Indonesia
- Penta-Ocean Construction Co. Ltd., Tokyo, Japan
- PT Van Oord Indonesia, Jakarta, Indonesia
- Toa Corporation, Tokyo, Japan
- Van Oord (Malaysia) Sdn Bhd, Selangor, Malaysia
- Van Oord (Shanghai) Dredging Co. Ltd, Shanghai, PR China
- Van Oord Dredging and Marine Contractors B.V. – Azerbaijan, branch in Baku
- Van Oord Dredging and Marine Contractors B.V. – Kazakhstan, branch in Manigistau
- Van Oord Dredging and Marine Contractors B.V. – Vietnam, representation office in Hanoi
- Van Oord Dredging and Marine Contractors bv Hong Kong Branch, Hong Kong, PR China
- Van Oord Dredging and Marine Contractors bv Korea Branch, Busan, Republic of Korea
- Van Oord Dredging and Marine Contractors bv Philippines Branch, Manilla, Philippines
- Van Oord Dredging and Marine Contractors bv Singapore Branch, Singapore
- Van Oord India Pte Ltd, Mumbai, India
- Van Oord Thai Ltd, Bangkok, Thailand
- Zinkcon Marine Singapore Pte. Ltd., Singapore

AUSTRALIA

- Boskalis Australia Pty, Ltd., Sydney, Australia
- Dredging International (Australia) Pty. Ltd., Brisbane, QLD, Australia
- Jan De Nul Australia Ltd., Australia
- NZ Dredging & General Works Ltd, Maunganui, New Zealand
- Van Oord Australia Pty Ltd., Brisbane, QLD, Australia
- WA Shell Sands Pty Ltd, Perth, Australia

EUROPE

- Atlantique Dragage Sarl, St. Germain en Laye, France
- Baggerbedrijf de Boer B.V. | Dutch Dredging B.V.
- Baggermaatschappij Boskalis B.V., Papendrecht, Netherlands
- Baggerwerken Decloedt & Zoon NV, Oostende, Belgium
- Ballast Ham Dredging, St. Petersburg, Russia
- Baltic Marine Contractors SIA, Riga, Latvia
- BKW Dredging & Contracting Ltd., Cyprus
- Boskalis International B.V., Papendrecht, Netherlands
- Boskalis Italia Srl., Rome, Italy
- Boskalis Nederland B.V., Rotterdam, Netherlands
- Boskalis Offshore Subsea Contracting B.V., Papendrecht, Netherlands
- Boskalis Sweden AB, Gothenburg, Sweden
- Boskalis Westminster Ltd., Fareham, UK
- Boskalis Westminster Middle East Ltd., Limassol, Cyprus
- Boskalis Westminster Shipping BV, Papendrecht, Netherlands
- BW Marine (Cyprus) Ltd, Limassol, Cyprus
- DEME Building Materials NV (DBM), Zwijndrecht, Belgium
- Dravo SA, Italia, Amelia (TR), Italy
- Dravo SA, Lisbon, Portugal
- Dravo SA, Madrid, Spain
- Dredging and Contracting Rotterdam b.v., Bergen op Zoom, Netherlands
- Dredging and Maritime Management s.a., Capellen, Luxembourg

- Dredging International (Luxembourg) SA, Luxembourg, Luxembourg
- Dredging International (UK) Ltd., East Grinstead, UK
- Dredging International N.V., Zwijndrecht, Belgium
- HDC Wasserbau Nord GmbH, Hamburg, Germany
- Heinrich Hirdes G.m.b.H., Hamburg, Germany
- Irish Dredging Company Ltd., Cork, Ireland
- Jan De Nul (UK) Ltd., Ascot, UK
- Jan De Nul Group (Sofidra S.A.), Capellen, Luxembourg
- Jan De Nul n.v., Hofstade/Aalst, Belgium
- Mijenster Zand- en Grinhandel bv, Rotterdam, Netherlands
- Mordraga LLC, Saint Petersburg, Russia
- Nordsee Nassbagger-und Tiefbau GmbH, Bremen, Germany
- Paans Van Oord B.V., Gorinchem, Netherlands
- Rock Fall Company Ltd, Aberdeen, UK
- Rohde Nielsen, Copenhagen, Denmark
- Societa Italiana Dragaggi SpA 'SIDRA', Rome, Italy
- Société de Dragage International 'SDI' SA, Lambersart, France
- Sodracco International S.A.S., Armentières, France
- Sodranord SARL, Le Blanc-Mesnil Cédex, France
- Terramare Eesti OU, Tallinn, Estonia
- Terramare Oy, Helsinki, Finland
- Tideway B.V., Breda, Netherlands
- TOA (LUX) S.A., Luxembourg, Luxembourg
- Van Oord (Gibraltar) Ltd, Gibraltar
- Van Oord ACZ Marine Contractors bv, Rotterdam, Netherlands
- Van Oord België BVBA, in Zele, Belgium
- Van Oord Deutschland GmbH, Bremen, Germany
- Van Oord DMC Aps, Copenhagen, Denmark
- Van Oord Ireland Ltd, Dublin, Ireland
- Van Oord Middle East Ltd, Nicosia, Cyprus
- Van Oord Nederland bv, Gorinchem, Netherlands
- Van Oord Norway AS, in Oslo, Norway
- Van Oord nv, Rotterdam, Netherlands
- Van Oord Offshore bv, Gorinchem, Netherlands
- Van Oord UK Ltd., Small Dole, UK

MIDDLE EAST

- Boskalis Westminster (Oman) LLC, Muscat, Oman
- Boskalis Westminster Al Rushaid Co. Ltd., Al Khobar, Saudi Arabia
- Boskalis Westminster Middle East Ltd., Abu Dhabi, UAE
- Boskalis Westminster Middle East Ltd., Manama, Bahrain
- Gulf Cobia (Limited Liability Company), Dubai, UAE
- Jan De Nul Dredging Ltd. (Dubai Branch), Dubai, UAE
- Middle East Dredging Company (MEDCO), Doha, Qatar
- National Marine Dredging Company, Abu Dhabi, UAE
- Van Oord Bahrain SPC, Manama, Bahrain
- Van Oord Gulf FZE, Dubai, UAE

THE AMERICAS

- Boskalis International bv Sucursal Argentina, Buenos Aires, Argentina
- Boskalis International Uruguay S.A., Montevideo, Uruguay
- Boskalis Panama SA, Panama City, Panama
- Compañía Sud Americana de Dragados S.A, Buenos Aires, Argentina
- Dragabras Servicios de Dragagem Ltda, Brazil
- Dragamex SA de CV, Mexcio City, Mexico
- Dredging International de Panama SA, Panama
- Dredging International Mexico SA de CV, Veracruz, Mexico
- Jan De Nul do Brasil Dragagem Ltda., Brazil
- Mexicana de Dragados S.A. de C.V., Mexico City, Mexico
- Van Oord Bahamas Ltd., Nassau, Bahamas
- Van Oord Canada Ltd., Calgary, Canada
- Van Oord Curaçao nv, Willemstad, Curaçao
- Van Oord de México, S.A. de C.V., Mexico City
- Van Oord Dragagens do Brasil Ltd, Rio de Janeiro, Brazil
- Van Oord Marine Contractors Canada Ltd., Ontario
- Van Oord Offshore (USA) LLC, in Houston, USA
- Van Oord Panama SA, in Panama City, Panama
- Westminster Dredging (Overseas) Ltd., Trinidad

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FOREWORD



The year 2016 proved to be busy and fruitful for IADC – the Association and its employees were engaged in several projects during this period which met with much success to the benefit of its members.

The Association has several main members and about 100 associate members that are branches of the main members and/or joint ventures with local contractors. IADC's main membership grew in 2016 with Dutch Dredging B.V. (Baggerbedrijf de Boer B.V.) joining.

A major project that IADC worked on with a partner was the publication of the updated version of the *FIDIC Form of Contract for Dredging and Reclamation Works*, otherwise known as the FIDIC Blue Book. The second edition of the book was successfully published last year by FIDIC. Interested parties can order this edition via the FIDIC website.

Furthermore, IADC decided that it would be beneficial for contractors and clients across the globe to have translated versions of the book. The second edition of the FIDIC Blue Book has been translated from English into Russian, Spanish, Portuguese, French, Italian and German. The translated copies will be available on FIDIC's website in 2017.

One of the major roles of IADC is to disseminate information on the importance and benefits of dredging to the world. When dredging projects are undertaken there are often impacts to the environment; the dredging industry works with clients and other stakeholders to positively contribute with dredging projects while mitigating negative impacts. Therefore, the Association wants to promote the concept of ecosystem services (ES) to the dredging industry as well as other stakeholders. The ES concept can help enable the design of more sustainable dredging and marine infrastructure works and their implementation and realisation in environmentally sensitive areas. For this, IADC commissioned a study, "Ecosystem Services: Towards integrated marine infrastructure project assessment". The study was carried out by the Ecosystem Management Research Group (ECOBIE) of the University of Antwerp. It was published as a report in 2016 and is available

on IADC's website. The report was presented to IADC's members during IADC's Annual General Meeting (AGM) at Cascais, Portugal. Furthermore, IADC received a "Highly commended" award during the DPC IHS Innovations Awards 2016 for the report.

One of IADC's goals is to improve its services and increase the involvement of young engineers with the Association. As such, a Young Management session was conducted during IADC's AGM. The session proved to be successful as recommendations were given on how IADC could develop its services and communicate better with young engineers in the future.

Safety is an essential topic in the dredging industry and in order to raise safety awareness, IADC held the IADC Safety Award 2016. The Association received eight nominations from not only its members but also external companies. The nominations consisted of innovative and essential safety ideas, products and services. DEME picked up the award at IADC's AGM for its "Enhanced muster station" initiative.

In the coming years, IADC will undertake more similar projects to inform the world about the fundamental need for dredging and the benefits of the industry's innovative work.

Frank Verhoeven
President

REPORT OF THE BOARD

WHO WE ARE



Established in 1965, the International Association of Dredging Companies (IADC) is located in The Hague. It is the umbrella organisation of private dredging companies and has for over 50 years taken the lead in:

- Educating people about dredging on all levels at primary target groups (ports-harbours, engineering consultants, young employees) and secondary target groups (Authorities, NGO's, Public, educational institutes);
- Informing them about the economic, social, technological and environmental benefits of dredging;
- Promoting a sound business climate by supporting fair contract conditions and fair competition within dredging markets as well as the industry as a career path;
- Networking with other maritime and related organisations; and
- Connecting with its members to ensure the highest Standards of Professional Conduct.

The IADC comprises the foremost privately owned international dredging contractors, who operate sizeable, modern fleets and are respected throughout the world for their expertise and professionalism. Currently, the Association has 10 main members and over 100 associate members that are branches of main members and/or joint ventures with local contractors. In 2016 Dutch Dredging was welcomed as a new member, regrettably Rohde Nielsen withdrew its membership. The Association's members execute nearly 50% of all dredging projects globally and nearly 90% of dredging works in open markets.

In this report, an overview of the state of affairs of the Association and its activities in 2016 is given. Contrary to 2015, IADC's 50th anniversary year, 2016 was not dominated by one specific event. Both recurring and ongoing activities/projects kept the Secretariat busy.

In 2016 all IADC's activities showed a clear ambition to be at the forefront of providing information related to dredging. People with enquiries about dredging should be able to find the answers on IADC's website, in its publications, presentations, seminars and/or webinars. If they are not able to, IADC staff should guide them to the right information. To realise this ambition previously defined target groups have been divided in primary and secondary target groups. IADC focusses its publications on the primary target groups consisting of employees of ports, engineering and consultancy firms and young employees of member companies.

In addition to providing general information on dredging, publications will focus on a number of pre-selected themes: Ecosystem Services, Early Contractor Involvement, safety, dredging equipment and the societal relevance of dredging. To get the message across to as wide an audience as possible the use of social media has been intensified with good results. The 50th anniversary book has for instance been downloaded over 1,500 times. The use of a social media monitoring tool will help to further optimise the effect of IADC's digital communication.

FINANCES

The Association realised a small positive result over the year 2016. The Board proposes to add this result to the general reserve. This reserve should facilitate the run off of the Association in case of liquidation and has a minimal extent of one year of expenditures (without projects). The definite annual membership fee will be determined at the end of the actual book year to prevent from a major loss or profit. The Board is risk averse and therefore the reserves are held in cash. Further details on the Association's financial situation can be found in the Financial Statements.

SECRETARIAT

The Secretariat is managed by Mr. Kolman as Secretary General; Ms. Taal acted as Secretary to the Board and the Public Relations Committee.

BOARD

As per 31-12-2016 Mr. De Ridder stepped down as President. The appointment of his successor Mr. Verhoeven, former Board member of Boskalis was approved at the AGM in Cascais. In accordance with the Bylaws, Mr. Baartmans and Mr. Verheul were also due to retire, both were available for re-election. In March 2016 Mr. Kakimoto retired from Penta-Ocean Construction Ltd. Mr. Togo was nominated as his successor to the Board of IADC.

All the nominations were approved by the delegates.

At the end of 2016, the Board comprised eight members:

Mr. F. Verhoeven, President (2019)

Mr. A. Togo, Vice-President (2018)
Penta-Ocean Construction Co. Ltd.

Ms. E. Verbraecken, Treasurer (2018)
DEME N.V.

Mr. N. Haworth, Member (2017)
Boskalis International (S) Pte. Ltd.

Ms. M. Fordeyn, Member (2018)
Jan De Nul NV

Mr. T. Baartmans, Member (2019)
Royal Boskalis Westminster nv

Mr. P. Catteau, Member (2018)
Società Italiani Dragaggi SpA

Mr. P. Verheul, Member (2019)
Van Oord

Since the Annual Convention in Cascais, the Board met in December 2016. Further meetings are scheduled for April, June and September 2017.



REPORT OF THE BOARD

WHAT WE DO: EDUCATING



The Association spends a significant portion of its time and budget educating its target groups who, although they come into contact with dredging activities, are often not aware of its many facets.

Two main channels are used, firstly the traditional IADC seminar and secondly, the newer online webinar.

The traditional five-day seminar gives an insight into the basics of dredging through lectures and workshops given by experts from the member companies. In 2016, IADC organised seminars in Panama and Delft. The Inter-American Committee on Ports (OAS-CIP) supported IADC by promoting the seminar in Panama. This definitively contributed to the success of the seminar. In 2016 a total of 58 participants attended the seminars. Unfortunately, the scheduled seminar in Singapore had to be cancelled due to an insufficient number of participants.

The seminars were very well-received. Quotes from seminar attendees affirmed this. On a 5-points scale, it was valued at 4,5 on average.

Mr. Dhollander, responsible for the organisation of the seminars conducted an international survey amongst engineers with regard to their preferred way of obtaining knowledge and learning new skills. The results can be found in the table below and clearly show that e-learning is an appreciated way of learning, regardless of age and region.

“THE SEMINAR ARRANGEMENT IS JUST PERFECT FOR A STUDENT WITH LIMITED KNOWLEDGE IN DREDGING. IT GIVES YOU THE REQUISITE FOUNDATION KNOWLEDGE ON DREDGING.”

“THIS IS AN EXCELLENT INTERNATIONAL REAL LIFE EXPERIENCE THAT ANY COASTAL ENGINEER CAN OBTAIN.”

In order to realise the aim of disseminating knowledge on the basics of dredging to as wide an audience as possible, the secretariat investigated the option of an online dredging course. Such a course could greatly increase access to knowledge for those, for whatever reason be it financial, time restraints etc., not able to participate in the classroom version.

Another way of educating, closely related to the online courses, is broadcasting webinars. They are a very effective and cost efficient tool to easily reach a geographically scattered audience. The webinars are recorded and made available on IADC’s website and YouTube channel.

The secretariat organised two webinars, one which was only open for the participants of IADC’s Young Management Programme and the other which presented the results of the Ecosystem Services project was followed live by 90 viewers.

QUESTION: WHICH MEDIUM DO YOU PREFER TO USE TO LEARN NEW SKILLS?

	Classroom	Online	Blended*		Classroom	Online	Blended*
under 25	3	2	6	AFR	2	2	14
26 – 35	13	24	41	ASIA	9	26	32
36 – 45	17	19	56	AUS	2	5	7
46 – 55	13	29	57	EU	33	46	109
56 – 65	8	15	32	N-AM	6	9	20
66 and older	8	21	19	S-AM	9	18	23
	62	110	211	UAE	1	4	6
					62	110	211

(*) Blended learning: a mix of learning in a classroom and online.

REPORT OF THE BOARD

WHAT WE DO: INFORMING



KNOWLEDGE TRANSFER THROUGH SPECIALISED LITERATURE

The IADC creates and disseminates dredging literature to provide an independent picture of the dredging industry and its characteristics. It aims to cover a wide spectrum from an article on 'Luxéal - The Easy to Handle Aquitard' written by François de Keuleneer, winner of the IADC Young Author Award at the WODCON 2016, to a practical explanatory movie on YouTube on dredging equipment.

The IADC strives to inform its primary target groups on how the dredging industry can look after their interests. A well-informed stakeholder may be an ambassador for the industry.

In 2016 the secretariat started preparations to restructure the website to a knowledge centre. This will ensure that a lot of valuable information now 'hidden' on the website will be more easily accessible, strengthening IADC's position as provider of expert knowledge.

PRESENTATIONS

The Secretary General gave a number of presentations throughout the year.

He presented "Ecosystem Services" at:

- The PIANC Envicom in Brussels;
- The International Forum of Dredging Companies in Moscow;
- The IAPH Mid-term conference in Panama;
- The WODCON XXI conference in Miami;
- The COPEDEC in Rio de Janeiro;
- The Sustainable Ocean Summit in Rotterdam.

"Socio-economic benefits of land reclamation" at the WODCON XXI conference, Miami.

"Early Contractor Involvement" at the COPEDEC, Rio de Janeiro.

Mr. Dhollander, IADC's PR Manager gave a presentation on "Ecosystem Services" at a meeting of the Inter-American Committee on Ports of the Organization of American States (OAS-CIP) in Uruguay.

IADC BOOKS, JOURNALS AND BROCHURES 2016

- *Terra et Aqua*, issues of the official quarterly journal dedicated to "Maritime Solutions for a Changing World", were released in March, June, September and December. The issues contained more than a dozen in-depth research articles as well as book reviews on dredging literature. Highlights included contributions elaborating on several safety aspects and the use of concepts/techniques relatively new for the industry, such as rock cutting techniques and numerical modelling of dredging sound levels. Over the course of the year the readership grew from 1,094 to 1,220 hardcopies and 3,508 to 4,702 digital copies, an overall increase of 28%. The PR Committee began preparations for a redesign of both content and lay-out. All changes will remain within the present parameters for high quality articles.
- *Facts About* "Underwater Drilling and Blasting" and "Adaptive Management" were made available digitally on the IADC website and also e-mailed to subscribers.
- *Dredging in Figures*, published annually, was e-mailed to various journalists and made available as a downloadable PDF on the IADC website. Accurate information about dredging is often difficult to find and even more difficult to verify. That is why, since 2015, only the dredging turnover realised in the open markets is published. The latest report (*DIF 2015*, published in November 2016) was downloaded from the website nearly 600 times in 2016.
- *Vessel information*, IADC has, for many years, provided an abstract of vessel data to the

publisher of “The Dredger Register”. In accordance with a Board decision this data is now also freely available in a Excel version on IADC’s website. An annual update will be published each January.

- IADC and CEDA are working on an update of the book on *Environmental Aspects of Dredging*. During several meetings the authors of the revision made good progress. However as the book is now being written from a completely new perspective it has taken more time than expected resulting in a delay in publication. This is now foreseen for November 2017 to coincide with the CEDA Dredging Days.
- *FIDIC Dredging Contract*, an update of the 2006 version was published at the end of 2016. Following a Board decision it has been translated to Portuguese, French, Spanish, Italian, German and Russian. FIDIC will review and approve the translations, after which they will become available for sale on FIDIC’s website.
- *Ecosystem Services*, the concept of Ecosystem Services (ES) has been recognised by IADC as relevant for the dredging industry. Use of this concept provides an integral assessment of infrastructure projects. It recognises all positive and negative impacts of

an intervention on the services delivered by an ecosystem. The impacts on these services can be valued and monetised. By having one denominator, the impacts can be compared. A lot of scientists are working on the concept, however, practical applications are very much lacking. The IADC requested the University of Antwerp to conduct a survey on the impact on ecosystem services of five marine infrastructure projects: Polders Kruikeke and C-power Windfarm in Belgium; Sand Engine and Western Scheldt Container Terminal in the Netherlands and Botany Bay in Australia. The main aim of the project is to explain the added value of the use of ES, in the design and development of projects in the dredging industry, in a way that is understandable for both member companies and external stakeholders. The report was presented mid-2016. The publication has been promoted by several articles and presentations given at selected conferences. A printed copy of the report was presented at the AGM 2016. A free digital copy can be downloaded from IADC’s website.

- *A guide to cost standards for dredging equipment 2009*, published by CIRIA, has been indexed by IADC’s Indexation Committee. At present a revision of the cost standards is still not foreseen.

REPORT OF THE BOARD

WHAT WE DO: PROMOTING



SOCIAL MEDIA

An intensified use of the various social media channels has resulted in an increase of unique visitors to the website. By the end of 2016 some 106,000 visits had been logged, an increase of 50% when compared to the start of the year. Google Analytics is used to register the number of visitors, downloads and duration of their visits. This gives a good understanding of the relevance of specific information on the website.

Following the success of a Google Adwords campaign in 2015, this way of promoting was also used in 2016 for the dredging seminars in Panama and Delft. This contributed to well-attended seminars.

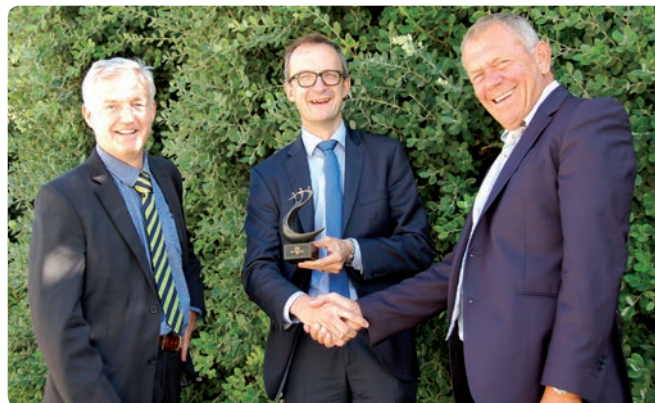
Over the course of 2016 all social media channels showed an increased use:

- Facebook followers from 2,616 to 3,167.
- YouTube viewers from 43,00 to nearly 71.000. This increase was mainly due to the previously mentioned Google Adwords campaign, which attracted over 25,000 viewers (of which 8,000 viewed the complete video).
- IADC's LinkedIn followers went up by 40% to over 2,000.
- The new Instagram account had 137 followers by the end of the year.

The impact of social media activities depends very much on a structured approach related to the choice of target groups and the focus of IADC's activities towards these groups, mentioned on page 7, "Who we are". Positive results of this focus, like an increased number of responses and followers, have started to show. To further increase the impact of the social media activities a monitoring tool has been implemented. It facilitates a quick overview of all social media messages related to dredging and other pre-defined search terms. With this tool it can be easily determined what messages require a response.

SAFETY AWARD

In line with IADC's aim to increase the awareness of the importance of safety the IADC Safety Award was reviewed and re-instated. Nominations are now not only limited to IADC members but are open to all other companies active in the industry. IADC was very pleased with the quality of the nominations. Of the eight nominations received, three were submitted by non-members. The nomination "Enhanced muster station" from DEME won the 2016 award. A video of the winning safety feature can be seen on IADC's website. *Terra et Aqua* published articles on the award and on two other safety topics provided by the Safety Committee.



BEYOND SAND AND SEA

A highlight of IADC's 50th anniversary was the publication of the book *Beyond Sand and Sea, 50 years of maritime masterpieces*. The hardcopy book is for sale, the digital version is freely available through the website. Over 800 copies have been sold and over 1,600 persons downloaded the book since its publication in November 2015.

IADC ARTICLES AND ADVERTS IN EXTERNAL PUBLICATIONS

Several articles were published in dredging (related) magazines, on websites and in newsletters distributed by third parties such as DredgingToday.com and Port Technology International.

REPORT OF THE BOARD

WHAT WE DO: NETWORKING



PARTNERSHIPS

IADC operates within a highly organised work field. Several maritime and dredging organisations, all working on their specific interests in the maritime sector, frequently interact. IADC maintains a professional relation with most of them. Cooperation is of mutual benefit and contributes to a better understanding of each other's interests. As a result of a Board decision, cooperation with several organisations was intensified.

CONFERENCES AND COOPERATION

IADC is an associated member of the Port Committee of the Organization of American States, Inter-American Committee on Ports (OAS-CIP). The dredging seminar in Panama was actively promoted by the Port Committee. IADC joined several video conferences of the Technical Advisory Groups and gave a presentation at their annual conference in Uruguay.

IADC has for many years been a member of PIANC and participates in several commissions. In 2016 IADC became an affiliated association of PIANC. The signing of a Memorandum of Understanding emphasises the strong relationship and mutual benefit of the cooperation between both organisations. IADC is represented in the Environmental Commission, which prepares publications on environmental subjects. The publication of two EnviCom reports has been substantially delayed; these are still under preparation, respectively entitled, "Dredging and Port Construction around Coastal Plant Habitats" and "Best Practices on How to Deal with Sea Turtles and Mammals in Marine Waterway and Port Construction Activities". Publication is expected during the course of 2017. IADC wants experts from its members to participate in relevant working groups, the workload should be equally shared amongst the members. A consultation group was established to coordinate the representation on behalf of IADC in PIANC working groups.

Traditionally the IADC has had a close connection with the WODA (World Dredging Association), comprising the Central Dredging Association (CEDA), the Eastern Dredging Association (EADA) and the Western Dredging

Association (WEDA). This connection has been mutually productive in organising conferences and seminars including the update of the joint publication on the *Environmental Aspects of Dredging*, as mentioned before. CEDA and IADC inform each other on their activities to prevent from duplication.

Since the 1990s, the IADC has had a productive relationship with the Fédération Internationale Des Ingénieurs-Conseils (FIDIC) in respect to the FIDIC Form of Contract on Dredging and Reclamation Work. The IADC has contributed its legal expertise to the updating of this contract, which was presented in autumn 2016. As mentioned, translations of the contract to French, Spanish, Italian, German, Portuguese and Russian will be published early 2017 and will be for sale on FIDIC's website.

The IADC also cooperates with the European Dredging Association (EuDA) and is a member of EuDA's CO₂ working group. Additionally, the IADC maintains contact with the Association of Dutch Dredging Contractors, NABU (Dutch Association of International Contractors) and CEDA. The Secretary Generals of these organisations have regular jointly informal meetings.

The International Association of Ports & Harbors (IAPH) is a target group for IADC's information on dredging and port development. IAPH has published a number of articles written by the IADC and in return, the IADC participates in the IAPH Environmental, Legal and Port Development Committees. IADC and IAPH will cooperate on some joint projects in 2017.

In 2016 a long lasting relation with the World Bank was intensified. The World Bank wants to change its tender policy to performance based contracts. A dredging project to improve navigation between Dhaka and Chittagong (Bangladesh) was earmarked as a pilot project. IADC provided input to the World Bank for preparing specific conditions in the tender documents. The prequalification process of the project is still underway.

IADC YOUNG AUTHOR AWARD

In 2016 awards were presented to:

- Mr. François de Keuleneer, engineer at DEME, for his paper and presentation on 'Luxéal - The easy to handle Aquitard', WODCON XXI, Miami;



- Mr. Lucas Silveira engineer at CB&I, for his paper and presentation 'Integrated Method for the Development of Optimal Channel Dredging Project', PIANC-COPEDEC IX in Rio de Janeiro.



The presentation itself has become an integral part of the award criteria, the prize consists of € 1,000.-, publication in the *Terra et Aqua* journal and a small statue.

REPORT OF THE BOARD

WHAT WE DO: CONNECTING



IADC AND ITS MEMBERS

One of the core goals of the IADC is connecting with its membership. The IADC depends on its members to supply knowledge at various IADC events – such as the IADC seminars – or content in Terra et Aqua. The support from members for IADC’s activities is vital, highly appreciated and helps the Association to do its job effectively. But this works both ways. When members send delegates to IADC events or get involved in its activities it increases their own involvement with the Association. This works as an important catalyst for more activities. Indeed, the experience has been: the more involved you are, the more you want to be involved.

It was decided by the PR-Committee that IADC messages will be shared on the internal platforms of the member companies to improve the awareness of IADC’s activities and to increase the dissemination of IADC’s publications.

CAREER LINKS ON THE WEBSITE

Introducing potential employees to the member companies has been an ongoing activity. In 2014, the IADC website was connected to the career and job vacancy pages of the members.

Professionals visiting the IADC website can now click through to the respective members to look for job opportunities. In 2016, over 5,600 people visited IADC’s career page with links to the respective member companies.

ANNUAL GENERAL MEETING

In 2016, the Annual General Meeting (AGM) was held in Cascais. During the General Meeting the primary and secondary target groups were input for a discussion session with Young Professionals. They discussed the familiarity of IADC within the member companies, the required position of the organisation in the market and activities to achieve this position. The results were presented at the AGM.

YOUNG MANAGEMENT PROGRAMME

The Young Management Programme was held for the ninth time in cooperation with the London School of Economics in Rome. 23 participants from six member companies attended the programme. An introductory webinar was organised for the participants in preparation for the programme.



MEMBER PARTICIPATION IN COMMITTEES IN 2016

The IADC depends in many instances on the input of its members. To that end, several committees have been established. These include the following committees:

TEAM OF LECTURERS DREDGING SEMINAR

Mr. M. Dewint
Mr. R. Dijkema
Mr. M. van den Heuvel
Mr. P. den Ridder
Mr. P. Vercruijssse
Mr. L. Verstraelen

TEAM OF LECTURERS ENVIRONMENTAL SEMINAR

Mr. E. Van Eekelen
Mr. F. Goethals
Mr. M. Van Koningsveld
Mr. M. Van Parys

PUBLIC RELATIONS COMMITTEE

Mr. R. de Bruin
Ms. V. Cosemans
Ms. H. Schellinck
Mr. A. Schikker

DREDGING IN FIGURES COMMITTEE

Ms. V. Cosemans
Mr. I. Daemen
Mr. A.J. Fokkema
Ms. M. Fordeyn

LEGAL COMMITTEE

Mr. J. Haak
Mr. T. Lenaerts
Mr. P. van der Linde
Mr. T. Maddock
Mr. G. Maeyens

REGISTERED PLANT COMMITTEE

Mr. J. Bakker
Mr. A. Beyst
Mr. K. Bovyn
Mr. M. Genetello
Mr. G. Griep
Mr. A. Kamsteeg
Mr. S. Kranendonk

INDEXATION COST STANDARDS COMMITTEE

Mr. A. Beyst
Mr. W. Blomme
Mr. M. De Boom
Mr. E. Van Haaren
Mr. A. Kamsteeg
Mr. W. Labrie

SAFETY COMMITTEE

Mr. K. Huybrechts
Mr. C. Leroy
Mr. T. van de Minkelis
Mr. J. Ottevanger

IADC STAFF MEMBERS

Ms. Mirjam van der Boon
Mr. Jurgen Dhollander
Mr. René Kolman
Ms. Priya de Langen
Ms. Simone Pat
Mr. Renato Rauwerda
Ms. Melanie Taal
Ms. Jeanet Vonk

REPORT OF THE BOARD

FUTURE ACTIVITIES



In 2017 the Association will continue to inform the outside world on what dredging is all about. The communication of present and new publications will be further improved and enhanced. The use of social media will be an important instrument to realise IADC's goals. All social media activities have been scheduled in a content calendar.

The Safety Award will be granted for the second time at the AGM in Marseille, France. Nomination is already open for members of IADC and external parties. IADC aims to double the number of nominations, specifically those from non-members. The Safety Committee will review all nominations and propose a winner to the Board for their final decision.

The 6 translations of the updated FIDIC dredging contract will be for sale on FIDIC's website.

The *Terra et Aqua* journal is still the flagship of IADC. A redesign will start during the course of 2017.

A general introduction on dredging will be made available in an e-learning edition.

The cooperation with related associations will be further intensified.

The PR-Committee advises the Board on IADC's activities. Annually, the Board makes a final decision on IADC's activities. The Association aims for a stable and balanced budget and staff; its activities do not require long-term investments. An explanation on the Association's 2017 Budget can be found as from page 28, "Budget 2017".

The Hague, 2 June 2017
The Board of IADC



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