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1 MESSAGE BY THE PRESIDENT

Dear colleagues and friends of PIANC,

For many of us, the past year was enlightened by the Panama Congress, which was held in May 2018, just two years after the official opening of the new locks. We can really be very grateful to Mr Francisco Quijano and to the members of the Panama Canal Authority (ACP) for having been able to organise such a fruitful Congress. Key figures are the number of participants (550), as well as the number of countries participating (501). Of course, the high standard of most communications confirmed that our network keeps improving and renewing.

If one considers that to a certain extent the Panama Canal was one of the several reasons to create PIANC in 1885, due to the fact that the right solution to link both Oceans with locks and with fresh water tapped by a dam through the Gatun river was first discarded for so many years, we can appreciate how effective PIANC has been and still is. This Congress' success also confirmed that PIANC is expanding in Latin America, since Argentina organised PIANC-SMART Rivers in Buenos Aires in 2015, and Brazil the PIANC-COPEDEC Conference in Rio de Janeiro in 2016. Four years after the San Francisco Congress and close to the PIANC-SMART Rivers in Pittsburgh (USA), the Panama Congress showed our improved expansion in the whole of the Americas.

One of the main achievements of the past year has also been the approval of the new Strategic Plan and of the Marketing Plan for the next five years (2019-2023). We should thank all members involved and all Commissions which have brought ideas and sent suggestions to improve the first drafts. The fundamentals of PIANC remain the same, for instance the focus on Working with Nature or on adapting to climate change issues in our main projects. However, we will have to adapt our functioning to improve our expansion towards Asia, for instance in some countries where some political decisions have worsened our working: that is why we regretfully had to shift the location of our next PIANC-COPEDEC Conference in 2020 from Iran to the Philippines.

Our Secretary-General has also been working hard on the Marketing Plan and this move, together with the effort to relaunch a new Promotion Commission (ProCom), involving Platinum Partners, has also succeeded. We decided to have a full ProCom Chair participating in the ExCom meetings. And most of you have also noticed that we have been setting up a new website, which shows our adaptation to better ways of communication.

Our Commissions have been deriving an Implementation Action Plan from the Strategic and Marketing plans, which will be presented at the next AGA and we will ask the National Sections to derive their own National Action Plan in line with the PIANC Strategic Plan, following the example of those already derived by the Japanese, the Spanish and the Australian Sections.

We are also proud that the Spanish Section was able to relaunch the Mediterranean Days in the wonderful city of Seville last October and we hope that the Italian and French Sections will follow this example in the coming years.

As usual, we will read with great interest the selected articles of our Japanese Section, since this Section will be organising a very nice venue for the AGA in Kobe at the beginning of June, where I will pass the baton to a new PIANC President, who I am sure will lead successfully our international association towards geographical expansion, improved networking and new outstanding reports, for which we should be very grateful towards the Working Group members. With our Secretary-General Geert Van Cappellen, the new President will also invite you to participate in September 2019 in the next NordPIANC Conference in Hirtshals (Denmark) and at the beginning of October in the next PIANC-SMART Rivers Conference in Lyon (France).

Geoffroy Caudef
President of PIANC
2 MESSAGE DU PRÉSIDENT

Chers collègues et amis de PIANC,

Pour beaucoup d’entre nous, l’année dernière a été éclatée par le Congrès de Panama, qui s’est tenu en mai 2018, seulement deux ans après l’ouverture officielle des nouvelles écluses. Nous pouvons vraiment être très reconnaissants à M. Francisco Quijano et aux membres de l’Autorité du Canal de Panama (ACP) d’avoir organisé un congrès aussi réussi. Les chiffres clés sont le nombre de participants (550), ainsi que le nombre de pays participants (50 !). Bien entendu, le niveau élevé de la plupart des communications a confirmé que notre réseau continuait à s’améliorer et à se renouveler.

Si l’on considère que, dans une certaine mesure, le canal de Panama a été l’une des raisons de créer PIANC en 1885, parce que la bonne solution pour relier les deux océans qui consistait à prévoir des écluses alimentées par l’eau douce puisée dans un barrage traversant la rivière Gatun a d’abord été repoussée de nombreuses années, nous pouvons apprécier l’efficacité et la qualité de PIANC.

Le succès de ce congrès a également confirmé l’expansion de PIANC en Amérique latine, depuis que l’Argentine a organisé la conférence PIANC-SMART Rivers à Buenos Aires en 2015 et il en va de même pour le Brésil, qui a organisé la conférence PIANC-COPEDEC à Rio de Janeiro en 2016. Quatre ans après le congrès de San Francisco et un peu avant le congrès PIANC-SMART Rivers de 2017 à Pittsburgh (aux États-Unis), le Congrès de Panama a montré notre expansion accrue dans l’ensemble des Amériques.


Notre secrétaire général a également travaillé beaucoup au plan marketing et cette initiative, ainsi que les efforts visant à relancer une nouvelle commission de promotion (ProCom), qui inclut des membres de nos Partenaires Platinum, ont également été couronnés de succès. Nous avons décidé de faire participer un président ‘à part entière’ de ProCom aux réunions de l’ExCom. Et la plupart d’entre vous ont également remarqué que nous avons mis en place un nouveau site Web, ce qui montre notre adaptation à de meilleurs moyens de communication.

Des plans stratégiques et marketing, nos commissions ont élaboré leurs plans d’action, qui seront présentés à la prochaine AGA et nous demanderons aux sections nationales d’élaborer leur propre plan d’action national conformément au plan stratégique de PIANC, en suivant les exemples de ceux des sections japonaise, espagnole et australienne.

Nous sommes aussi fiers que la section espagnole ait pu relancer les Journées Méditerranéennes dans la merveilleuse ville de Séville en octobre dernier et nous espérons que les sections italienne et française suivront cet exemple dans les années à venir.

Comme d’habitude, nous lirons avec un vif intérêt les articles sélectionnés par notre section japonaise, vu que cette section organisera notre AGA à Kobé au début du mois de juin, où je passerai le flambeau à un nouveau président de PIANC, qui, j’en suis sûr, dirigera avec succès notre association internationale et une expansion géographique, une amélioration de notre réseau et notre production de nouveaux rapport de très grande qualité, pour lesquels nous devrions être très reconnaissants envers les membres des groupes de travail. Avec son secrétaire général, Geert Van Cappellen, le nouveau président vous invitera également à participer en septembre 2019 à la prochaine conférence NordPIANC à Hirtshals (au Danemark) et au début d’octobre à la prochaine conférence PIANC-SMART Rivers à Lyon (en France).

Geoffroy Caude
Président de PIANC
Dear members and friends of PIANC,

Our PIANC Community can look back at a very successful and interesting year 2018. The World Congress in Panama was certainly the signature event of the year. Once again, I wish to thank ACP for the outstanding organisation of the event and all the PIANC members who contributed to this event.

For the PIANC Secretariat in Brussels, one could say 2018 was the year of ‘the duck’. Just like this fine species of waterfowl, on the surface we progressed smoothly across the water. However, under the waterline, this animal peddles like hell.

With this metaphor, I just want to indicate to you, dear reader, a lot more happened than what one can see at first glance. A new heading for our Association was established with the Strategic and Marketing Plan. A new website, which I hope is to your liking, will allow for better branding of PIANC as an invaluable association in our sector. Behind the scenes, our IT-systems were and are still being upgraded, incorporating more automation to reduce the workload of the pure administrative membership management. This will allow for more time to be dedicated to creating value for the members and reaching out and engaging in a dialogue with you.

Creating value for PIANC members in all sorts of ways and linking our community more tightly by focusing on useful, modern and qualitative communication will be some of the spearpoints in the coming years.

Lastly, I want to pay homage to the unsung heroes of PIANC, namely the Working Group members of our technical reports. The efforts of these people remain all too often out of the spotlight they deserve. Being a Working Group member is one of the most valuable and enriching experiences one can have within PIANC. Nevertheless, they can also be demanding and require commitment. As such, these efforts and the resulting Working Group reports will be brought more into focus.

With regard to our Working Group reports, we are seeing a further diversification of topics as the complexity of infrastructure projects keeps increasing. This diversification is a further stimulus to join PIANC for its reports but also for its broadening global network.

Once again, I would like to thank you all for your commitment to PIANC. Without you, we wouldn’t be able to get the word out there on practical applications of new technologies and innovations in waterborne infrastructure.

Geert Van Cappellen
Secretary-General of PIANC
Chers lecteurs et amis de PIANC,

Notre communauté de PIANC peut se prévaloir d’une année 2018 très réussie et intéressante. Le Congrès Mondial de Panama a certainement été l’événement phare de l’année. De nouveau, j’aimerais remercier l’ACP pour l’organisation impeccable de cet événement, ainsi que tous les membres de PIANC qui y ont contribué.

Pour le secrétariat de PIANC à Bruxelles, l’on pourrait dire que l’année 2018 a été l’année ‘du canard’. Tout comme cette belle espèce d’oiseau aquatique, à la surface, nous avons progressé sans à-coup sur l’eau. Toutefois, sous la ligne de flottaison, cet animal pédale comme un fou.

Avec cette métaphore, je tiens simplement à vous indiquer, cher lecteur, qu’il s’est passé beaucoup plus de choses que ce que l’on peut voir à première vue. Une nouvelle rubrique pour notre association a été créée avec le plan stratégique et marketing. Un nouveau site Web, qui, je l’espère, vous conviendra, permettra de mieux faire connaître PIANC en tant qu’association inestimable dans notre secteur. En coulisse, nos systèmes informatiques ont été et sont toujours en cours d’être remis à niveau, intégrant davantage d’automatisation pour réduire la charge de travail liée à la gestion administrative pure et simple des membres. Cela permettra de consacrer plus de temps à créer de la valeur pour les membres et à nouer un dialogue avec vous.

Créer de la valeur pour les membres de PIANC de toutes sortes de manières et relier plus étroitement notre communauté en mettant l’accent sur une communication utile, moderne et qualitative fera partie des points forts dans les années à venir.

Finalement, j’aimerais rendre hommage aux héros moins visibles de PIANC, à savoir les membres des groupes de travail de nos rapports techniques. Les efforts de ces personnes restent trop souvent en dehors du feu des projecteurs qu’ils méritent. Être membre d’un groupe de travail est une des expériences les plus précieuses et enrichissantes que l’on puisse avoir au sein de PIANC. Néanmoins, il s’agit aussi d’une tâche exigeante qui demande de l’engagement. En tant que tels, ces efforts et les rapports des groupes de travail qui en résultent, seront mis en lumière un peu plus.

En ce qui concerne les rapports des groupes de travail, nous voyons une diversification accrue de sujets, comme la complexité des projets d’infrastructure ne cesse de croître. Cette diversification est un stimulant supplémentaire pour joindre PIANC, tant pour ses rapports, que pour son réseau mondial élargi.

Encore une fois, je tiens à vous remercier pour votre engagement envers PIANC. Sans vous, nous ne pourrions pas tenir au courant nos membres des applications pratiques de nouvelles technologies et d’innovations en matière d’infrastructures fluviales et maritimes.

Geert Van Cappellen
Secrétaire Général de PIANC
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5 PUBLISHED IN 2018

MarCom WG-Report 161
‘Interaction Between Offshore Wind Farms and Maritime Navigation’
April 2018 issue

Task Group Report 181
‘The State and Perspectives of Waterborne Transport Infrastructure Worldwide’
August 2018 issue

EnviCom WG-Report 176
‘Guide for Applying Working with Nature to Navigation Infrastructure Projects’
September 2018 issue

InCom WG-Report 166
‘Inflatable Structures in Hydraulic Engineering’
October 2018 issue

InCom Interim WG-Report 201
‘Development of a Proposal of Inland Waterway Classification for South America’
December 2018 issue

All publications can be found on the PIANC website: https://www.pianc.org/publications

Members are able to download all publications FOR FREE in the Members Only Section!
6  PIANC’S SISTER ASSOCIATIONS

IAPH  
International Association of Ports and Harbors  
http://www.iaphworldports.org

CCNR  
Central Commission for Navigation on the Rhine  
http://www.ccr-zkr.org

ICOMIA  
International Council of Marine Industry Associations  
http://www.icomia.com

IALA  
International Association of Lighthouse Authorities  
http://www.iala-aism.org

IHMA  
International Harbour Masters Association  
http://www.harbourmaster.org

TYHA  
The Yacht Harbour Association  
http://www.tyha.co.uk

IMPA  
International Maritime Pilots’ Association  
http://www.impahq.org

IAHR  
International Association for Hydro-Environment Engineering and Research  
http://www.iah.org

GMI  
Global Marina Institute  
http://globalmarinainstitute.net/

MEDCRUISE  
The Association of Mediterranean Cruise Ports  
http://www.medcruise.com/

IADC  
International Association of Dredging Companies  
https://www.iadc-dredging.com/

AMI  
Associations of Marina Industries  
https://marinaassociation.org/
6.1 THE INTERNATIONAL ASSOCIATION OF PORTS AND HARBORS (IAPH)

6.1.1 IAPH Mid-Term Ports Conference 2018

The International Association of Ports and Harbors (IAPH) convened in Baku, Azerbaijan on 8-11 May 2018, under the theme ‘Ports of the Future: Building Hubs, Accelerating Connectivity’. Attended by more than 400 delegates, accompanying persons, speakers and exhibitors from 65 countries, the opening ceremony was staged at Heydar Aliyev Center, a symbol of modern Baku. In his opening speech, IAPH President Santiago García-Milà stressed the significance of holding an IAPH conference for the first time in Baku by mentioning that "It is so meaningful for us, the world port players, to gather and debate in Baku, that used to be a key trading post of the ancient Silk Roads and now functions as an important hub port in the Caspian Sea region.” Mr Ramin Namig oglu Guluzade, Minister of Transport, Communications and High Technologies officially welcomed the participants to Azerbaijan and declared the conference open. In his statement, he mentioned “The restoration of the historic Silk Road on the initiative of the great leader Heydar Aliyev has created the ground for increasing the transit potential of Azerbaijan. Transport and logistics are one of the most dynamically developing areas in the world, and they are also a priority in our country and President Ilham Aliyev keeps it in the center of attention.”

The ensuing working sessions tuned out to be an excellent forum to learn the latest trends of international trade, cultural diversity in maritime world, LNG bunkering operations, port efficiency through digitalisation and disruptive technologies, green shipping and logistics, port financing, etc. in which guest speakers and panel presenters recruited from around the world offered some food for thought and debates. They included:

- Sultan Ahmed Bin Sulayem, Group Chairman and Chief Executive Officer of DP World, UAE
- Elvyn G. Masassya, President Director of Indonesia Port Corporation
- Zeno D’Agostino, President, Port of Trieste, Italy
- Mohammad Rastad, Deputy Minister of Roads and Urban Development, Iran
- Aboubaker Omar Hadi, Chairman, Djibouti Ports and Free Zones Authority (DPFZA)

6.1.2 World Ports Sustainability Programme (WPSP)

More than 250 professionals from ports, shipping, government and society came together in Antwerp, Belgium for the official launch of the World Ports Sustainability Program (WPSP), on 22 and 23 March 2018. Hosted by the Antwerp Port Authority (Mr Jacques Vandermeiren, Chief Executive Officer), the event was such a big success in officially launching the WPSP initiated by IAPH in 2017. The launch event proved that IAPH through WPSP is determined to take the lead in demonstrating global leadership of ports in contributing to the Sustainable Development Goals (SDGs) of the United Nations. We were honoured to have her Majesty Queen Mathilde of the Belgians open the first day of the WPSP Launch Event with a keynote address in which she underlined the important role that ports play in achieving the UN's SDGs. In his address, IMO Secretary General Kitack Lim touched upon the platform that IMO is offering for more collaboration between shipowners, ports, maritime administrations and other stakeholders and therefore commended the IAPH’s initiative.

The first day of this remarkable event was successfully concluded with the signature of the WPSP Declaration by the Founding Partners of the Programme by the representatives of the American Association of Port Authorities (AAPA), AIVP – the Global Network of Cities and Ports, the European Sea Ports Organisation (ESPO) and the World Association for Waterborne Transport Infrastructure (PIANC).

6.1.3 Unified Voice of Ports at IMO

As part of its 70th anniversary celebrations, IMO held the Special Event on Ports on 11 June 2018 at its London headquarters, which turned out to be the very first IMO event dedicated to ports. IAPH President Santiago Garcia Milà represented IAPH at this significant event and made a speech promoting IAPH and the world port industry. In his speech, he referred to ports as ‘microcosmos’ where clusters of
terminal operators, shipping agencies, forwarders, warehousing, and other transport/logistics providers are located, and further mentioned “Port authorities have become facilitators and matchmakers between private and public interests. Our organisation has been fostering and empowering the role of port authorities since its foundation in 1955.”

6.1.4 IMO and IAPH Jointly Publish Port Emissions Toolkit

Earlier in 2016, IAPH joined the GloMEEP (Global Maritime Energy Efficiency Partnerships) that is a GEF (Global Environment Facility)-UNDP (The United Nations Development Programme)-IMO project as a strategic partner to assist developing countries in the uptake and implementation of energy efficiency measures for shipping, with the aim of reducing GHG emissions and preventing air pollution from ships as a strategic partner. Since 2017, IAPH has assisted the project in developing and publishing the Port Emissions Toolkit consisting of a guide on assessment of port emissions and a guide on the development of port emission reduction strategies. Through the project, IAPH supports and assists the GloMEEP Lead Pilot Countries (LPCs) in addressing air pollutants and greenhouse gas emissions in ports, thereby facilitating a transition to a more energy efficient and low emissions maritime transport system.

6.1.5 IAPH World Ports Conference in Guangzhou, China, 5-11 May 2019

IAPH World Ports Conference is the biggest annual port event in the world attended by port directors, managers and executives coming from all over the world to share experience and best practice on the latest port management and operations techniques and methods. In 2019, IAPH will convene in Guangzhou, China, 6 10 May, under the theme of “Collaborate Now, Create Future”. Tentatively proposed conference topics include:

- New Pattern of World Economy and Future Trend of Global Trade
- Leading Role of China's Internet Economy in the World (Alibaba, JD, etc.)
- New Kinetic Energy Brought by the Belt and Road Initiative to the Global Economy
- Development of the Shipping Industry and the Frontier Issues of the Port Logistics Industry
- Trend of Global Port Investment and Development
- Shippers’ Demand for Ports (GREE, Midea, TCL, GAC)
- New Opportunities Brought by the Belt and Road Initiative
- Coopetition & Competition Development of Ports and Cities in the Bay Area
- Port Investment and Construction Financing
- History of China's Port Development and its Future Trend
- New Pattern of Future Navigation
- Smart Ports
- Port Facilities
- Cruise

Please join us in Guangzhou in May 2019.
6.2 INTERNATIONAL COUNCIL OF MARINE INDUSTRY ASSOCIATIONS (ICOMIA)

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- Produces internationally agreed standards ensure high quality and safety of industry’s products
- Aims to remove all barriers to trade, so that the industry can do better business
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Detailed boating industry statistics and insights for Hong Kong, Malaysia, Macau and Singapore.
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ICOMIA Quarterly Economic Statistics Report
Quarterly information on global economic development and features categories such as the Producer Price Index and the Big Mac Index.
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Half Year Trend Report
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List of equipment distributors in the ICOMIA member countries.
FREE for members!
Scantlings Calculator & Keel Checker
Excel based software for boatbuilders with limited time or expertise to conduct their own scantling calculations on the basis of ISO 12215-5. Keel Checker: A tool for assessing whether keel designs are within the parameters of ISO 12215 Part 9.
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Detailed guidance for boatbuilders needing to comply with the alternative Standards system.
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@followICOMIA
Like us on Facebook
facebook.com/ICOMIA
### 6.3 INTERNATIONAL ASSOCIATION OF LIGHTHOUSE AUTHORITIES (IALA)

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<td>WWA Seminar on the Awareness of Safety of Navigation in Africa, Morocco</td>
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<td>VTS45, HQ</td>
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2018 was a year of change for IHMA. New faces and new initiatives were introduced to help continue the Association’s work of uniting those responsible for the safe, secure, efficient and environmentally sound conduct of marine operations in port waters. The scene for many of these changes was IHMA’s 11th biennial Congress which was held in London, UK.

The 2018 Congress introduced the Association’s first ever initiative to spotlight the contributions of people and organisations to port operations. The ‘IHMA Awards’ were split into three categories: Safe, Efficient and Secure Port, Outstanding Individual Achievement in the Profession of Harbour Master, and Port Operations Photograph of the Year. The winners were announced at the Association’s biennial Congress Dinner held at the Headquarters of the International Maritime Organization. The awards were a great success and will be an eagerly anticipated part of future Congresses.

Another change announced at the evening’s gala dinner was the retirement of IHMA President, Captain Kevin Richardson, who stepped down after serving in the role since 2014, and the election of the Association’s new President, Captain Allan Gray. Harbour Master and General Manager of Port Operations, Fremantle Ports, Captain Gray piloted a new iteration of the IHMA Strategic Plan (2019-2024) which maps out future plans and issues for the organisation and which was launched at this Congress. The membership looks forward to joining Captain Gray in his home country of Australia for the next biennial Congress which will be held in Hobart, Tasmania in March 2020.

Not long after the completion of the London Congress, the Association’s Secretary, Anne Carnegie, also stepped down from her role after six years of outstanding service. Anne was an active participant in the PIANC WG 178 – ‘Adapting Waterborne Transport Infrastructure to Climate Change’ and her contributions to our sister organisation were reciprocated when Jan Brooke spoke at the London Congress on ‘The Changing Climate: Why it Matters to Harbour Masters’. Jan’s participation in the London Congress was truly appreciated and IHMA’s new Secretary, Sabrina Delelis, is looking forward to participating the next NaCC partner meeting and to building upon the longstanding relationship between PIANC and IHMA.

However, the undoubted highlights of the London Congress were visits from HRH The Princess Royal, Princess Anne, who addressed Congress and toured the Exhibition, and from His Excellency Kitack Lim, Secretary-General, IMO. IHMA was honoured to have the Secretary-General address Congress and officially open the Exhibition. His address provided a very positive endorsement of the Congress’s theme, ‘Ports: Essential for Safe, Efficient and Secure Global Trade’ and the delegates received the strong impression that he understood their concerns.

One final but important development for IHMA during 2018 was the introduction of the Association’s Continuing Professional Development (CPD) tool. The tool was made available to all Full and Associate members through the IHMA website and will allow members to measure their own competence against a set of international occupational standards. This in turn will enable them to identify their strengths and weaknesses and put them on the right path for career development.

IHMA looks forward to the coming year as an opportunity to build upon its presence at IMO and to engage with other international organisations to ensure that the safety of port operations and the unique perspective of the harbour master is taken into consideration and recognised.
6.5 INTERNATIONAL ASSOCIATION OF DREDGING COMPANIES (IADC)

Established in 1965, the International Association of Dredging Companies (IADC) is the umbrella organisation of private dredging companies. As such, IADC is dedicated to not only promoting the skills, integrity and reliability of its members, but also the dredging industry in general. IADC has over one hundred main and associated members. Together, they represent the forefront of the dredging industry.

6.5.1 Spreading the Word About Dredging

For more than 50 years, IADC has executed – and continues to execute – its mission of disseminating information about dredging to those working within the dredging industry and in related fields. To achieve its mission, the association engages in:

- **Educating** individuals and parties such as stakeholders, authorities, government bodies and other industries about dredging
- **Informing** individuals and parties about the economic, social and environmental aspects of dredging
- **Promoting** a sound business climate by supporting fair contract conditions and competition within dredging markets as well as the industry as a career path
- **Networking** with other maritime and related organisations
- **Connecting** with its members to ensure the highest Standards of Professional Conduct are achieved throughout the industry

The association spearheads diverse activities and projects to realise its goals of educating, informing, promoting, networking and connecting with both its members and a wider audience beyond the dredging industry.

6.5.2 Dredging for Sustainable Infrastructure Book & Conference

A collaboration between CEDA and IADC, the new publication ‘Dredging for Sustainable Infrastructure’ is now available

The up-to-date guidebook will serve as an invaluable resource for those responsible for delivering waterborne infrastructure projects with longevity which need to do more than just the basics. It also presents guidance to achieve dredging projects that fulfil their primary functional requirement, while adding value to the (natural and socio-economic) system. The publication includes the message that through a thorough understanding of these systems and with proactive engagement of stakeholders throughout a project's phases, a value-added project can be successfully achieved.

With growing environmental awareness and increasing climate pressures on low-lying deltas, modern-day society puts incredibly strong demands on the sustainability of water infrastructure projects. Classic approaches towards the design and implementation of such projects no longer suffice in satisfying these demands. Instead, radically different methods are needed which demand multidisciplinary project teams to adopt entirely new ways of thinking, acting and interacting. Application of these new methods results in innovative water infrastructure solutions that meet the primary functional requirements while at the
same time delivering added value for nature and society as an inherent part of project development. Opening with a discussion of the broader picture in which dredging operates, the book then progresses into an in-depth explanation of specific aspects. To order the book, please visit: www.sustainabledredging-book.com.

6.5.3 Conference

The book ‘Dredging for Sustainable Infrastructure’ was launched at a conference held in November 2018 in Amsterdam, the Netherlands. The two-day conference offered six highly interactive sessions with contributions from internationally renowned scientists and practitioners which address topics set forth in the guidebook ‘Dredging for Sustainable Infrastructure’. Distinguished professionals involved in a dredging project’s manifold facets were invited to partake in the event which was dedicated to advancing industry knowledge in the arena of sustainable dredging. Professionals from all over the world and participating in sectors involved in the realisation of a dredging project had many opportunities to meet, interact and take their networks to the next level.

6.5.4 Centralising and Sharing Industry Knowledge

Throughout 2018, IADC engaged in activities which demonstrated its ambition to be an information provider in the maritime infrastructure-related sectors. To affirm its role as a knowledge centre, the association constantly updates its website to centralise its information while additionally making the content accessible to a broad audience. With literature and publications categorised by subject, the Knowledge Centre is user-friendly and ready for use on IADC’s website.

The association transfers cutting-edge knowledge to a wider audience through the publication of specialised literature authored by leading experts in the field. The IADC’s flagship publication ‘Terra et Aqua’ featured in-depth articles on ports and harbour related topics, such as ‘Integrated Method for Optimal Channel Dredging Design’, ‘Proven Benefits of Polymer Use in the Treatment of Sediments in Dredging Projects’ and ‘An Improved Integrated Approach for Optimising Shipping Channel Capacity for Australian Ports’.

In addition to publishing valuable information on cutting-edge innovations on a quarterly basis, IADC has redesigned the journal’s layout for the first time in 13 years. With a refreshed look and the inclusion of interviews with leaders of related industries, the new and improved ‘Terra et Aqua’ has made its debut in March of 2018. Free for subscribers, the journal is available in both print and digital formats.

Another educational tool, ‘Facts About’ is a series of digital brochures which give an introduction and overview of relevant subjects in the fields of dredging and maritime construction. The series was extended in 2017 to include an update of available information regarding the Building with Nature concept as well as an introduction to strategies for Coastal Protection. IADC released the annual report Dredging in Figures 2017, setting forth the annual dredging turnover realised in the open markets.
6.5.5 Promoting Awareness Through Recognition

To show its commitment to promoting safety in the dredging industry, the association bestows its annual Safety Award to encourage the development of safety skills on the job and reward people demonstrating diligence in safety awareness in the performance of their profession. Nominations were open to members as well as any company active in the dredging industry. A solution submitted by Van Oord’s Debris Removal platform, was selected as the winner. Van Oord changed the existing technique of manually removing debris to an automated system, reducing the risk of personal injury. To reinforce the importance of safety within the industry, articles discussing the subject are regularly published in ‘Terra et Aqua’.

On behalf of Van Oord, Coen van den Berg (right) accepts the Safety Award 2018 which was bestowed by IADC’s President Frank Verhoeven (left).

6.5.6 Educating Through Practical Means

Since 1993, IADC has provided on a regular basis a week-long seminar especially developed for clients and consultants of the dredging industry. These intensive courses were successfully organised in the Netherlands, Singapore, Dubai, Argentina, Abu Dhabi, Bahrain and Brazil. With this seminar, IADC reflects its commitment to education, to encouraging young people to enter the field of dredging, and to improving knowledge about dredging throughout the world.

Another impactful way of educating a broad and globally dispersed audience is through webinars. The audio-visual format is an effective and interactive tool which can be accessed by many international viewers. A webinar about the ‘Save Vehicle Movement’ was held. All webinars are accessible on IADC’s website and YouTube channel and will remain available indefinitely for use as a professional resource.

6.5.7 Co-Operating for Superior Results

The association continuously engages in collaborations with various organisations. A member of PIANC for many years, IADC participates in several PIANC commissions. Since signing a Memorandum of Understanding (MoU) in 2016, IADC and PIANC continue to emphasise the strong relationship between both organisations is enforced through participation in each other’s working groups and conferences. IADC renewed its MoU with the IHE Delft Institute for Water Education to continue jointly educating interested individuals about the dredging and marine-related sectors.

An impactful way of educating a broad and globally dispersed audience is through webinars. The audio-visual format is an effective and interactive tool which can be accessed by many international viewers. A webinar about the ‘FIDIC Standard Form of Contract for Dredging and Reclamation Works – Second Edition’ was held. Entitled FIDIC Blue Book Second Edition, the webinar was led by two legal experts that were members of the working group which wrote the publication and offer exclusive insight into usage of the recently released contract documents. After the webinar’s debut, it has been accessible –
along with all past webinars produced by the association – on IADC’s website and YouTube channel and will remain available indefinitely for use as a professional resource.

6.5.8 Co-Operating for Superior Results

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Since 1996, MedCruise is providing a valuable communication platform to our members in the cruise business to develop a sustainable cruise traffic in the Mediterranean, Black Sea, Red Sea, Adriatic and Near Atlantic.

Being part of these magnificent destinations, MedCruise members have the responsibility of promoting the whole area as the best region for cruise activities because of the appealing, professionalism and quality of facilities and services. Thus, MedCruise is present in the major cruise events worldwide with a remarkable role in the European, Asian and American conventions and exhibitions.

Cruise lines and guests are aware of the treasure MedCruise members offer. Therefore, the region is almost the 20% of the total cruise market share with around 27 million cruise passengers and 13,00 cruise calls per year. This means MedCruise with 70 port members and 33 associate members – representing 20 countries from 3 continents – will continue growing in terms of membership and market share in the near future. This variety of different members in the MedCruise region are continuously sharing best practices and offering its expertise to the whole cruise industry. In fact, this is one of the MedCruise values, the power to share and drive to the wealth of the Association and its members.

Seeing that, the MedCruise members, Board of Directors and Presidency, which I have the honour to represent, developed an ambitious working plan to address the main challenges that MedCruise needs to face:

- new trends in the shipbuilding and how to adapt cities and ports to this new reality that provides more business and employment to the local communities
- environmental issues such as supply LNG to cruise ships
- new source markets such as Asia, where the Association is working since long time ago to attract Chinese cruise passengers to the MedCruise region
- regulations such as Schengen procedures and port reception facilities, among others

All of these challenges only could be accomplished with the solid cooperation between cruise lines and MedCruise members. The kindly and extensive relationship between the Association and cruise lines executives is one of the values of being a MedCruise member. Cruise lines executives share their time with members in the MedCruise General Assemblies and cooperate in developing studies; being each year our ideal and natural partners in the cruise business.
MedCruise works as well with other partners such as ESPO or PIANC among others in matters of common interest to represent their members’ interests in a changing world and to assist them in the process to improve and growth.

Most of these challenges are directly related to the European Union, where MedCruise is a strongly key player in different forums and programs. But it is a matter as well of collaboration with other cruise ports associations and stakeholders to establish a steady cooperation network to develop the cruise business around the world and share best practices for the good of our local communities. Thereby, MedCruise members are always involved in the governmental decision makers process, providing the cruise industry know-how to approach accordingly like in the European Ports Forum.

MedCruise strongly believes that together we will be successful; therefore, the Association created working groups based on the main challenges, formed by members from different countries and features to develop the association strategy guided by the Board of Directors. Each of the Board of Directors members has a special task related to challenges and the MedCruise needs to give the best to the members. I am proud to work hand by hand with this BoD full of cruise experts from different ports and realities but with the same willingness to collaborate and, above all, with the same eagerness to make MedCruise stronger with the firm support and under the members guidance. The professional development MedCruise provides and this teamwork is what I consider is the MedCruise value and our great pride, the core to keep generating a sustainable cruise growth in the Mediterranean, Black Sea, Red Sea, Adriatic and Near Atlantic.

#PortsTogether
As this year begins to, believe it or not, wind down, the Association of Marina Industries would like to share with you some of our achievements in 2019. This year, we:

- reached the 1,000-member milestone!
- held six training courses, including our Advanced and Intermediate Marina Manager course, our Marina101 and Study Tour.
- partnered with the International BoatBuilders’ Exposition and Conference (IBEX) to bring Marina101 and the Marina Study Tour to Tampa, FL.
- held 16 webinars, including a 12-part health and safety series that started back in 2017 and a three-part hurricane preparedness and recovery series with over 300 individual attendees.
- recharged our training conference, this year focusing on hurricane preparedness and recovery during Weathering the Storm in Miami, FL.
- partnered with two new affiliates, the Pacific Coast Congress of Port Captains and Harbour Masters and the Wisconsin Marine Association.
- completed a marina business economic impact study which estimates the total economic impact of marinas and boatyards to be US$ 18.1 Billion, which supports over 105,000 full and part-time jobs.
- received the American Boating Congress’ Ambassador Award, which is presented in recognition of outstanding marketing achievement as co-host of the American Boating Congress.
- supported the passage of the Water Resources Development Act, along with the National Marine Manufacturers Association, BoatUS, and the Marine Retailers of the Americas, which provides for many benefits to recreational boating.
- are working to make sure the National Electric Code Standards do not overburden marina recreation facilities, while finding solutions to keep people safe.
- are participating in an Aquatic Invasive Species Coalition and are a member of the Outdoor Recreation Roundtable (ORR).