JULY 2021

Halfway through the summer period in Brussels/Madrid, the HQ crew is now fully vaccinated against the coronavirus and is working towards an autumn and winter season full of interesting PIANC activities!

Besides our usual ExCom and Council meetings in autumn, PIANC - in close cooperation with InCom - will organise a series of webinars dealing with the following InCom reports:

- WG 201: ‘Framework for an Inland Waterway Classification in South America’ on 28 October 2021
- WG 197: ‘Small Hydro Power Plant in Waterways’ on 24 November 2021
- WG 191: ‘Composites for Hydraulic Structures’ on 29-30 November 2021
- WG 198: ‘Saltwater Intrusion Mitigation in Inland Waterways’ on 10 December 2021

More information about the webinars will follow shortly, keep an eye on our events page at https://www.pianc.org/events.

We hope all of you will get vaccinated very soon, so we can slowly start to wander off the virtual path and start dreaming about a face-to-face reunion during our winter meetings in February!

In the meantime, you will read in this newsletter that our Delegates and Commission/WG-Members haven’t been sitting still! Enjoy reading the July issue of 'Sailing Ahead'!

NEWS FROM MARCOM

Update MarCom WG 212 – ‘Criteria for Acceptable Movement of Ships at Berth’

MarCom WG 212 - ‘Criteria for Acceptable Movement of Ships at Berth’ was formed in the first quarter of 2019 with the objective of updating the PIANC report ‘Criteria for Movements of Moored Ships in Harbours’, which was initially published in 1995.

Since its inception, the composition of the membership of WG 212 has somewhat changed with addition of new members from OCIMF, other global energy companies, consulting engineering firms, and a pilot association.

The WG was able to hold two in-person meetings, one in Brussels (Q2-2019) and one in the UK (Q4-2019) before the onset of the 2020 Global Pandemic. Despite the disruptions caused by the ongoing COVID-19 Pandemic, WG 212 has continued the progress the development of its report.
Questionnaires were prepared by the membership and promulgated via various associations, such as OCIMF and IHMA, governmental agencies such as Japan’s Ministry of Land, Infrastructure, Transport and Tourism, and business and professional contacts. Many replies have been received and are being analysed by the WG’s membership.

Furthermore, first drafts of several chapters have been completed and are undergoing internal review. Conditions permitting, the WG is planning to hold its third in-person meeting in November 2021 in the Netherlands.

The WG expects to have a first draft of the report submitted to PIANC by the end of the first quarter of 2022.

Majid Yavary
PIANC WG 212

Update MarCom WG 167 - ‘The Design of RoRo and RoPax Terminals’

After having started the Working Group seven years ago, I wrote the first short article on the activity of WG 167 in March 2021. And so, like the legendary London buses (often coming at the same time!), here we already have a second article to report on the latest position.

The objective of the WG is to write a report on RoRo and RoPax terminals and since March, we have been finalising most of the ‘loose ends’ until in early June we were able to assemble a first complete draft of the report. We were working to a target to present the report to MarCom on 30 June 2021, and having issued the draft report electronically about a week in advance, I, Steve Osborn, gave the presentation as planned.

The presentation highlighted the following:

- RoRo and RoPax is a broader subject than might be appreciated
- There are at least five different types of terminal
- Berthing and fendering requirements for such terminals is highly specialised
- The ship-to-shore access facilities, linkspans and passenger boarding bridges (PBBs) are highly specialised items of equipment
- The planning of the ‘Marine Bridge’ type RoRo terminals requires different planning techniques to normal terminal capacity design
- Passenger terminal buildings (maritime stations) are often major architectural features

The presentation was received well and we expect to receive formal comments fairly soon. In the meantime, the WG is now concentrating on carrying out an internal review process and seeking out additional external experts to give the document independent scrutiny. And then, of course, we have the slow and painful process of assembling copyright attributions and references!

We included a photo of a very pleasant dinner during our visit to Ceuta in North Africa in our last article. Just in case you get the impression that we have been enjoying ourselves too much, here is a photo of the WG in rather less pleasant conditions in November in the UK! So it’s not all sunshine for us!

Steve Osborn
Chairman PIANC WG 167
NEWS FROM INCOM

Update Joint InCom/EnviCom WG 236 – ‘Sustainable Management of the Navigability of Free Flowing Rivers’

During the second Working Group meeting of PIANC WG 236, the WG had three primary objectives:

- Define the focus of the objectives of the WG based on the language in the approved Terms of Reference
- Develop a consensus on the table of contents based on the feedback from the first WG meeting (and follow-on discussions)
- Assign roles to each WG member for participating in writing chapters or sections of the WG document

The table of contents has been revised and the WG is now ready to begin brainstorming the content and defining the framework for each section in the WG. Reporting on the status of each section will be a focus of the next WG meeting; tentatively scheduled for September.

Jean-Michel Hiver, Nils Huber, Erik Mosselman & Calvin Creech
PIANC WG 236 Chairs

Kick-Off Meeting InCom WG 237 – ‘Bottlenecks and Best Practices of Transport of Containers on Inland Waterways’

This WG kicked off successfully on 23 June 2021.

Chairman of the WG is Dr. Iven Krämer from Germany. He will work in a core group with Mr Rob Konings (the Netherlands) and Mrs Laure Roux (CCNR). More news to follow soon.

Philippe Rigo
Chairman of InCom

NEWS FROM ENVICOM

Working with Nature Certificates

The Port of Seville, the first Spanish Port with Official ‘Working with Nature’ Certification from the World Association for Waterborne Transport Infrastructure (PIANC)
The **Port Authority of Seville** (PAS) has received the official certification *’Working with Nature’* (WwN), issued by the World Association for Waterborne Transport Infrastructure (PIANC) for the project *’Adaptive Management of Maintenance Dredge for the Creation of Bird Nesting Areas’*.

Thanks to this initiative, the PAS and the Spanish National Research Council (CSIC) have recorded more than fifty species in the confined disposal facilities of the Port of Seville.

The WwN certification recognises the Port of Seville as the first national port system to apply the *’Working with Nature’* philosophy, by combining the management of sediments from maintenance dredging deposited in confined disposal facilities with the creation of new habitats that favor the diversity of waterfowl in the estuary. The project has also been nominated for the *’Working with Nature 2024’* award, which will be presented at the 35th PIANC World Congress in Cape Town, South Africa.

Find the official press release [here](#).

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**PIANC President Francisco Esteban Lefler (L) presenting the Working with Nature certificate to the President of Puerto de Sevilla Rafael Carmona (R)**

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**Working with Nature Certificate of Recognition for a Navigation Project of the Florida Inland Navigation District (USA)**

A Working with Nature Certificate of Recognition was issued to the project *’Beneficial Use: ‘Estuarine Island Creation with Intracoastal Waterway Maintenance Dredged Material in Lake Worth Lagoon; Palm Beach County, Florida’*. Congratulations to the project owner: the Florida Inland Navigation District (FIND), Jupiter, Florida!

The urban estuary Lake Worth Lagoon estuary has suffered extensive loss of estuarine habitats and degraded water quality due to human development activities over the past century. Within this area, a portion of the Intracoastal Waterway had not received maintenance dredging since its construction in the 1960s.
Now, in a 4.5-mile section from the Port of Palm Beach to the Town of Palm Beach docks in Palm Beach County, alternative strategies have been developed that optimised channel design while balancing the economic return to the local area community, minimising environmental impacts, and providing environmental restoration benefits. Palm Beach County was beneficially included in this project.

The project removed shoals impeding navigation and restored the channel to its federally authorised dimensions, providing recreational boaters and commercial vessels safer access to the area’s marinas, boatyards and shipping facilities.

The dredged material (DM) was beneficially re-used in Palm Beach County’s Tarpon Cove restoration site. A deep dredge hole was filled by capping muck waste sediments and creating seagrass, mangrove, and oyster reef habitat. Additionally, an intertidal island of DM was created comprising high-value habitats for intertidal fauna and flora.

The beneficial re-use of DM received significant positive feedback from local and federal government agencies. It also provided both FIND and Palm Beach County a significant cost savings.

The PIANC WwN Jury found that this project broadly covers all six steps of the PIANC Working with Nature approach and this is why it deserves the WwN Certificate of Recognition. The project thus is eligible to be a candidate for the WwN Award to be granted on the occasion of the next PIANC World Congress in Cape Town, South Africa in 2024.
On 29 June 2021, the second event of the year called 'Port and Coastal Planning' was organised by the PIANC Young Professional groups of Argentina and Spain. The main topic was the experiences interchanges about planning from Argentina and Spain through presentations prepared by two long career professionals closely related to challenges linked with coastal and port development.

During the event, there were two speakers: the first one was Eng. Nestor Alvarez, who exposed the port developing process around Puerto Rawson and Puerto Madryn, Argentina, since their first steps as fishing ports to the presently commercial activities. Secondly, Eng. Jordi Galofré from the Coastal Service of Terragona spoke about different aspects of coastal management in Spain and the effects caused by the climate change.

The event assembled professionals from Argentina, Spain and other Latin Americans countries, mainly. This webinar contributes, to share experiences and also strongly enhance the commitment of both sections in promotion of further activities.

On 14 (Argentina) and 15 (Japan) July 2021, professionals of the port community were able to participate in the PIANC YP-Com Webinar organised by the Young Professional groups of Argentina and Japan. After many years of close cooperation within the Young Professional Commission, special bonds were stretched between some members of both YP-groups. Consequently, this first meeting was a natural consequence of hard work and PIANC friendship among many colleagues.

This was the first meeting of many to come, and it is the beginning of exchanging knowledge, experiences and culture between both PIANC YP-groups from Asia and America. During the event, there were three speakers: first up was Sebastián Iglesias (Argentina), who spoke about the re-functioning and upgrading construction works of main the two piers in Puerto Madryn, Argentina. The second speaker was Soumaya Addou (Japan), who spoke about Marine Deep Cement Mixing (DCM) method using ICT and BIM/CIM technologies. The third and last speaker was Daiki Tsuji (Japan), who spoke about the preliminary study of Japanese port structural design and standard’s adaptation considering climate change. Lastly, Pablo Arecco (Argentina) and Hidenori Takahashi (Japan) talked about the relationship between the Argentine and Japanese YP groups during the last decade and possible future cooperation activities.
highlighting possible technical seminars from Japanese experts and researchers in Argentina and opportunities for Japanese and Argentine YPs in both countries for researching, doing internships and/or short-term exchanges.

Last but not least, it is important to highlight that the time zone difference of twelve hours was not an obstacle to have a great attendance due to the high commitment of all YPs. The webinar was attended by more than forty participants mostly from both organising countries and enjoyable moments were experienced.

Virginia Sy
PIANC Argentina

NEWS FROM THE PIANC COMMUNITY

Sign Up for the PIANC De Paepe-Willems Award 2022!

Please be advised that the deadline for sending in abstracts for the PIANC De Paepe-Willems Award (PIANC DPWA) 2022 is 31 August 2021.

Full papers are expected at the latest by 30 September 2021.

Please note that no exception to the deadlines will be allowed.

The Award consists of 3 prizes:

Number 1: € 4,000

- Free membership of PIANC for a 3-year period.
- Free hotel accommodation for 3 nights will be provided, as well as a payment of travel expenses in economy class to the AGA.

The winner will be invited to present his/her paper at the Annual General Assembly (AGA) of PIANC (on the condition, of course, that there will be no more travel restrictions due to the COVID-19 virus).

Number 2:
• € 2,000
• Free membership of PIANC for a 1-year period.

Number 3:

• € 1,000
• Free membership of PIANC for a 1-year period

The Award will be granted to those candidates who submit the most outstanding paper selected by the jury in the calendar year preceding the General Assembly at which the Award is granted.

In case of co-authorship, the Award will be granted to the principal author of the paper.

We would like to ask you to distribute this message among your Young Professionals. All abstracts/papers should be sent to PIANC HQ (sabine.vandevelde@pianc.org).

The PIANC-DPWA Rules & Criteria can be found at https://www.pianc.org/awards/pianc-de-paepe-willems-award.

PIANC-SMART Rivers 2022 will be held in Nanjing, China on 18-21 October 2022. It is an incomparable opportunity to meet international actors of river transport and the global supply chain of transport. It is a privileged place of exchange around the best feedback and global trends in the field of sustainable development of inland waterways. Since 2004, this international event takes place every two years, under the umbrella of the World Association of Waterborne Transport Infrastructure (PIANC). In 2019, the conference took place in Lyon, France.

PIANC-SMART Rivers 2022 - 2nd Call for Abstracts

Download the second call for abstracts and submit your abstract before 1 December 2021. Each abstract must be written in English and limited to 500 words. It should be based on one of the conference technical topics and should not include graphics/figures. Abstracts shall be submitted online at www.smartrivers2022.com/call-for-abstracts/.

After the review by Scientific Committee, authors whose abstracts are accepted, will be expected to prepare either a short paper (max. 1,500 words) or a poster, and a slide presentation. Accepted authors will be expected to attend the conference, pay the registration fees and make the presentation in person.

Interested? Please visit http://www.smartrivers2022.com for more information!
Binational Engineering Corridor: Exchange of Engineering Experiences between Argentina and Chile

On 4 June 2021, the National Section of PIANC Argentina supported a joint online seminar between the Department of Civil Works of the University of Santiago de Chile and the Graduate School of Port Engineering of the Faculty of Engineering of the University of Buenos Aires.

This was the second webinar of a successful cooperation process between Argentina and Chile, the venue 'Binational Engineering Corridor: Exchange of Engineering Experiences between Argentina and Chile'. Two presentations were given: the first one by Eng. José Luis Inglese on the 'Wastewater Emissary of the Matanza-Riachuelo System, Río de la Plata, Argentina' and the second one by Eng. José Aldunate Rivera who spoke about 'Operations in the Port of San Antonio, Chile'.

The event was held in Spanish with the participation of more than 85 attendees from Argentina, Chile and other countries around the world.

Virginia Sy
PIANC Argentina

News from PIANC Australia/New Zealand (PIANC ANZ)

PIANC ANZ Voice of Member Survey

Using his decades of experience in customer engagement, PIANC ANZ 2021 Board Observer Olivier Mineau led the development of our Voice of Member Survey in April-May 2021. The survey sought to understand current sentiment on the value that PIANC ANZ offers and to identify opportunities to improve our service.

The survey contained a series of 24 questions focused across the following areas:

- Membership demographics
- Reasons for joining
- Satisfaction with PIANC
- Communications
- Value for money
- Conference feedback

Results: PIANC ANZ scores a strong Net Promoter Score (NPS) of 35, with 45 % promoters and only 10 % detractors. Results indicate a high level of member satisfaction, with satisfaction highest on the most important reasons for joining. It appears that PIANC ANZ is focusing on the right elements. In brief:
Members participate in PIANC ANZ primarily to get access to technical expertise. Industry networking is also valued.

Satisfaction with comms is very high.

Members rate ‘value for money’ as very strong, with several comparing it favourably against other similar organisations and very few raising concern with cost.

Coasts & Ports 2019 was universally appreciated, while APAC 2020 received mixed reviews. The online aspects of the APAC 2020 conference were a driver of dissatisfaction for a number of respondents.


The Board would like to thank Olivier for all his excellent work in undertaking this Voice of Member Survey. The outcomes of the survey will be used to inform the PIANC Australia & New Zealand 2022 Strategic Plan.

**AGM Online Held Successfully**

For the second year in a row PIANC ANZ held its AGM online – with 36 members joining. This was a non-election year, so the Board remains the same. Despite COVID-19 restrictions and confusions, PIANC ANZ was able to report a good financial year for 2020, with many in-person, online and hybrid events held. Our online events and new YouTube channel have enabled a wider outreach than ever.

Board Member Jackie Spiteri gave a presentation to the membership about PIANC ANZ plans to align our organisation more fully with UN Sustainable Development Goals.

**2021 Australasian Coasts and Ports - Early Bird Registration Closes 9 August 2021**

Registrations are open for the legendary biennial Coasts & Ports Conference being held in Christchurch, New Zealand from 30 November to 3 December 2021. Click here to register.

Delegates can have confidence that Coasts and Ports 2021 will proceed in December despite ongoing uncertainties related to the global COVID-19 pandemic. We are preparing alternative virtual and combined hybrid formats should the conventional face-to-face format in Christchurch become untenable.

Mary O'Connell
PIANC ANZ

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**News from PIANC Spain**
Webinar: 'Beneficial Uses of Dredging' - 15 April 2021

This webinar was organised by Working Group 5 - 'Beneficial Use of Dredging' of the Port Engineering Committee of the Spanish Section, in collaboration with the Portuguese Section. It was attended by 77 participants. Four speakers presented several conferences about beneficial uses of dredging process.

Webinar: 1st Conference about Sand Management in Coastal Areas
Session 1 - 29 April 2021 / Session 2 - 11 May 2021

Organised by the Coastal Committee. The event was attended by 233 registered participants. Eight speakers took the floor, coming from sectors such as Universities, Coastal Administration and several private companies. The topics discussed were mainly focused on erosion and climate change, sand management and dredging and coastal protection projects.

National Annual General Assembly 2021 of the Spanish Section - 23 June 2021

The most important points on the agenda were the following:

- Report of the 2020 activities of the National Section (President and Secretary)
- Annual fees for 2021
- Budget approval
- Report of activities: PIANC Commissions and National Technical Committees
- Report of activities of National YPCom
- PYCture Award 2021
- Modesto Vigueras Award 2021

Webinar: 'Port and Coastal Planning' - 29 June 2021
This event was co-organised by YP Argentina and YP Spain. It was attended by 109 registered participants. Two speakers (Mr Jordi Galofré and Mr. Néstor Álvarez) showed experiences from both countries about coastal protection and port planning.

Introducing Robert Creel as the New Co-Chair for PIANC USA YP-Com

PIANC USA is excited to announce the addition of Robert Creel to the PIANC USA YP-Com team as a Co-Chair. Robert works for Synthetex, and brings to the team a fresh perspective on the future of geosynthetics. In his own words, “Ports, marinas, harbours, waterways and more are what we look at everyday. I think it is important to see where the Engineering Industry is trending and using today’s technology to solve problems. I want to engage this community through the education of future innovations for the technical textile industry.” PIANC USA YP-Com is excited to welcome him to the team!

Kayla Waltemire
PIANC USA

NEWS FROM OUR PLATINUM PARTNERS

Welcome to Hanjin Heavy Industries and Construction as New Platinum Partner of PIANC!

PIANC is pleased to announce that Hanjin Heavy Industries and Construction (South Korea) recently became Platinum Partner of our Association!

Hanjin Heavy Industries and Construction Never Stops Challenging and Ushers a New Era of Happiness and Growth

Challenging Spirit for Creating New Value

The last step of Hanjin Heavy Industries and Construction co., Ltd.(HHIC) was the process of innovation to provide true value to customers with advanced technology, quality and thorough service. HHIC create challenges that have overcome many difficulties and crises amid intense competition are the history of industrial development in Korea. HHIC will continue to make more strenuous steps with unwavering will and belief to create a rich and beautiful future.
We Manage the World with Technological Competitiveness

HHIC, a company that pioneered its mission, is a comprehensive heavy industry with global competitiveness in ship building, construction, and plant. Since its establishment in 1937 as the first shipbuilder on the land, it has been proud of numerous ship building experiences and is the representative shipbuilder who has developed legends such as being the first in Korea, the first in the East, and the first in the world. In 1968, the company is the leader in the global construction industry, with the first steel structures in Korea, which has been perfecting various construction projects at home and abroad, and recognised for its outstanding capabilities in housing, construction, civil engineering, and planting.

Kwon Hoon
Hanjin Heavy Industries and Construction

ShibataFenderTeam Completes White Paper Series with Launching WP #4 about Fender Testing

Sharing knowledge based on the latest finding in the industry and giving guidance to stakeholders of the marine industry, is the goal of the SFT White Paper Series. The fourth and final part of the series follows up on the previous parts #1 to #3, which established in-depth illustrations of compounding, mixing, manufacturing, and curing. WP #4 completes the Series with a thorough examination of testing methods for fender systems, best-practice approaches to verifying the required performance properties and the durability of a commercial fender.

The paper highlights the significance of testing by transparently explaining how to interpret the test results of the different tests. It can be used as a practical, hands-on guide for clients to the ideal approach to the complex fender testing agenda based on the point of view of an experienced manufacturer.

International guidelines and standards like PIANC 2002 ensure that fenders perform as designed when installed at the berth, and define the mandatory physical attributes of rubber fenders. The purpose of PIANC guidelines is also to advocate for reliable testing, and there are a couple of options with third party testing being one of them. SFT fully supports independent third party testing, but stakeholders must have a full overview and understanding of potential issues and responsibilities that comes with that. Third party test vendors in any industry need to be independent, experienced and use suitable technologies and equipment, which has at least the same certification and verification as the manufacturers equipment. They should clearly specify their range of test methods, including limitations. It is especially important to be aware that standard deviations exist between manufacturers equipment and any other external equipment that is used to verify results. To achieve comparable values, third parties and manufacturers should agree on the same test setup. Keeping in mind that standard like ISO, ASTM and others, clearly acknowledge that results of the same test method may differ between two test laboratories. A closer look at the PIANC standards and guidelines can provide reliable guidance for fender testing on many issues. SFT recommends that all stakeholders consider the relevant aspects of the standard for their purposes and stay away from floating conspiracy theories that all fender manufacturers are trying to cheat.

We are proud to have such extensive knowledge base on fender design and that we share this valuable information with our maritime stakeholders. A free download of ‘White Paper 4 - Testing. A Best-Practise Approach’ is now available on the SFT website.

Nadine Pape
Junior Marketing Manager ShibataFenderTeam
PUBLICATIONS

Just Shipped

The following publications was published in July 2021:

- WG 198 (InCom): 'Saltwater Intrusion Mitigation in Inland Waterways'

Publications Pipeline

Currently, no new Working Group reports have been finalised yet, but stay tuned because there are still a lot of reports to come! Please click here to find an overview of our ongoing Working Groups.

Save money by becoming a member of PIANC and download ALL PIANC publications FOR FREE from the Members Only password protected pages! https://www.pianc.org/join-pianc

ON THE CALENDAR

Webinar 'Ocean Wave Energy People' on 5 August 2021

People around the world may be interested in our upcoming webinar on 5 August from 5.30 pm to 7 pm AEST - catch us in the European morning!

FREE technical webinar coming up from our NSW chapter on the State of Ocean Energy in Australia.

The 90-minute session includes presentations by three leading Australian industry experts: Dr. Tom Denniss, Dr. Francois Flocard and Professor Christophe Gaudin discussing Marine Renewable Energy (MRE) in Australia, offshore energy and opportunities in the Great Southern Coast and Wave Swell Technology.

The event is free and all are welcome, but registrations are essential. More details can be found at https://pianc.org.au/events/#e/event/2021/8/5/state-of-ocean-energy-in-australia-free-webinar.

Mary O'Connell
PIANC ANZ
Assessing Resilience: Case Studies and a Path Forward for the Marine and Inland Waterborne Transportation System

As new challenges unfold, it is becoming even more important that those who manage, own, and operate our global marine and inland waterborne transportation system incorporates resilience into their practices.

Please join us on 26 August 2021 as we convene a special panel to highlight some recent progress in better understanding how to accomplish this goal.

The panel discussion will take place from 9 a.m. to 10.30 a.m. EST. Click on the image on the left to find the flyer with an overview of the panellists.

Katherine Chambers

CEDA Dredging Days 2021: 'Sustainable Dredging and Innovation. The science. The practice. The business.' - Registrations are Open

The CEDA Dredging Days 2021 will take place virtually on 28-29 September 2021 and will focus strongly on 'Sustainable Dredging and Innovation – The science. The Practice. The Business'. The sessions cover new technologies and the way the industry does business, all viewed through the lens of sustainable best practice. The programme and full details are now available on the conference website at https://cedaconferences.org/dredgingdays2021. An official press release can be found here.

Anna Csiti
General Manager CEDA

WODCON XXIII Invites Abstract Submissions for Congress Programme

WODCON XXIII, the 23rd World Dredging Congress, will be held in Copenhagen, Denmark, from 16 to 20 May 2022. The organising committee is inviting abstract submissions for the papers, presentations and panel sessions that will make up the main body of the technical and business programme. The deadline for submissions is 17 September 2021.

Central Dredging Association (CEDA) is hosting the global summit, on behalf of the World Organisation of Dredging Associations (WODA), and the theme is 'Dredging is Changing. The Practice. The Science. The Business'.

The WODA Technical Papers and Programme Committee (WTTPC) invites abstracts for contributions from all members of the community, scientists and practitioners representing: project promoters, academia, research and knowledge institutes, engineering firms, regulators, equipment designers and manufacturers, suppliers of ancillary equipment, and legal firms and financiers in traditional, as well as in emerging areas of dredging. A full list of topics of interest, and suggested project examples, can be found on the congress website at www.wodcon2022.org.

Click here for more information in the press release.

Anna Csiti
General Manager CEDA