Happy New Year to everyone all around the globe! We hope you all spent some nice quality time with your family and friends and that you are all in good health, despite the fact that the world is still under the grips of the Covid-19 pandemic.

Following our PIANC tradition, our winter meetings are coming up. And hopefully this will be the last time we will have to organise our meetings in a virtual way!

Don’t forget to register for the MarCom Webinar on 8 February 2022 on 'Recent WG-Reports and the Ever Given'!

PIANC MarCom will host a webinar on 'Recent WG-Reports and the Ever Given' from 5:00 p.m. until 7:00 p.m. (UTC+1). The webinar is free of charge and registration is now open at https://live.eventtia.com/en/pianc_marcom_22/REGISTER. 223 participants have already registered so far!

Chairman of MarCom, Mr Egbert van der Wal, will open the webinar and this introduction will be followed by three presentations and a panel discussion, facilitated by Mr Babak Bani-Jamali, Vice-Chair of MarCom. Subjects to include will be:

- An introduction to MarCom WG 208 - 'Automation of Container Terminals' by Mr Ashebir Jacob
- An update on the drafting of PIANC WG 211 - 'Guidelines for the Design of Fender Systems' by Mr Alfred Roubos
- A presentation on the Ever Given Suez Canal Incident by Prof. Evert Lataire

Please click here to find the flyer with the full programme and registration link.

Those who are living in time zones that are not compatible with the webinar hours, are asked to register for the event so they will receive the link with the webinar recording after the event. For now, enjoy reading this issue of 'Sailing Ahead'!
NEWS FROM MARCOM

New Guidelines for Design & Assessment of Marine Oil, Gas & Petrochemical Terminals Coming Soon!

A final draft of PIANC WG-report 153B has been sent to a Blue Ribbon Panel (BRP) for review and comment following a comprehensive technical editing session held over a three-day period at SIGTTO's offices in London in early December. The BRP consists primarily of representatives from OCIMF's Marine Structures and Civil Engineering Committee, who both write and provide subject matter expert reviews of such technical standards.

The Oil Companies International Marine Forum (OCIMF) has taken an active role in several PIANC working groups in recent years. In fact, PIANC and OCIMF have recently signed a 'Sister Association' agreement to formalise cooperation between the groups.

PIANC WG-report 153B is an update of PIANC WG-report 153, originally published in 2016. This new document will be far more comprehensive in its coverage and will now include LNG and Floating LNG Terminals, as well as Single-Point and Multi-Point Mooring Terminals. Extensive guidance is provided on concept and terminal configuration selection, as well as risk assessment and proximity issues. The intent is for this document to be the de facto global guidance document for the design of such terminals.

Importantly, the new document will also be applicable to 'green fuels' terminals such as hydrogen, ammonia, methanol, etc. Working Group 153B consists of 35 subject matter expert volunteers from major energy companies, consultancies, industry and academia. The nearly 400-page document covers every aspect of terminal planning, design, inspection and assessment.

For further information, contact Working Group Chairman Ron Heffron.

Michael Grace
PIANC MarCom

Update MarCom WG 164 – 'Upgrade of Port Berths by Increasing Dredged Depth'

After a very long interruption of the Working Group (first established in 2016), the activities could get resumed by the middle of last year, during which two coordination meetings (via videoconference) were held.

The Working Group consists of 15 members covering very diverse skills (harbour engineering, structural, operations, geotechnics, dredging…) and scattered across the globe (Australia, Belgium, Germany, Japan, Portugal, the Netherlands, New Zealand, Spain and United Kingdom).

The guideline, following the Terms of References, deals with the topics below:

- survey and assessment of existing structures
• reliability and serviceability criteria for the geotechnical and structural aspects taking into consideration increased service life
• alternatives for geotechnical and/or structural improvement techniques according to structural type, ground conditions and dredging operations to be performed
• dredging techniques and constraints according to soil conditions and structural types
• consideration of extreme events i.e. earthquakes in design and setting safety and performance criteria
• geotechnical and structural design criteria for the adaptation of the facilities to a deeper harbour bottom
• tools for addressing the geotechnical and structural questions with focus to the soil-structure-interaction
• different technologies for soil and structure improvement;
• dredging alternatives
• effects of sea-level rise due to climate change will be considered

In the framework of the preparation of this guideline the existing standards and recommendations regarding structural and geotechnical issues in the port engineering field and especially those concerning the upgrading of existing structures will be reviewed.

The engineering and construction process for the deepening of the harbour bottom in front of existing quay structures can be structured in different steps as illustrated in the flow diagram below.

The diagram is very generic and might not reveal the whole complexity of the task to be dealt with, but it can be considered as the core of the guidelines being prepared.

Finally, the report will be rounded off with interesting case studies. These present the various possibilities that have already been successfully realised in many different countries and considering different boundary conditions.


Juan Ollero
MarCom WG 164

NEWS FROM INCOM

PIANC Webinar on WG 198 - ‘Saltwater Intrusion in Inland Waterways’

This webinar took place on 10 December 2021 and attracted 160 attendees (both PIANC members and non-members) from 29 different countries.
During the first part of this webinar, four speakers from InCom WG 198 gave some very interesting insights on PIANC WG 198 - ‘Saltwater Intrusion in Inland Waterways’. Speaker/moderator and Chairman of WG 198, Mr Tom O’Mahoney (the Netherlands, Deltares), opened the meeting and also gave a presentation. Furthermore, he gave the floor to Mr Frank Kösters (Germany, BAW), Mr Gary Brown (USA, ERDC) and Mr Tom van der Wekken (the Netherlands, RWS), who in their turn all gave interesting presentations on different topics addressed in the report. Please click here to find the full programme of the webinar.

During Part 2 of the webinar, two external speakers were invited to give an interesting presentation on the subject:

- Mr Meinte Blaas (the Netherlands): ‘Strategic, Tactical and Operational Information for Saltwater Intrusion Management in the Netherlands’
- Mr Bill McAnally (USA): ‘Saltwater Intrusion in the Mississippi (an Estuary with Mitigation System) and Elsewhere’

If you would like to watch the recordings of the webinar, please go to https://www.youtube.com/watch?v=siPPp9ub88g.

NEWS FROM PROCOM

ProCom Meeting 2021-5 on 9 December 2021

The fifth and last ProCom meeting of 2021 was held virtually on 9 December 2021. Once again, ProCom Chair, Anna-Lena Pahl, was very happy to see so many ProCom members attending the meeting, in spite of the many time differences!

The ProCom members also welcomed Mrs Hamna Zaheer, who will replace Mrs Kayla Waltemire as ProCom delegate from the US Section of PIANC. Mrs Zaheer introduced herself briefly and said she is looking forward to working with PIANC.

The ProCom members went through the Action Points of the previous meetings and divided some tasks accordingly.

A subgroup was formed to look into the alignment of the PIANC house style. Mrs Palmans, being member of the subgroup, gave an overview of the steps that were undertaken with the subgroup and she reminded the ProCom members that the intention was to harmonise the existing documents/products in a uniform style. Mrs Van Schel showed the different designs she drafted, based on the outcome of the meetings of the subgroup.

The newly developed house style will be put on a big online overview page for PIANC, where people will be able to find PIANC’s guidelines for the PIANC house style, publications, official documents, etc. The table of contents for the ‘Combined documents’-file will serve as the basis for this page.

Mrs Pahl also asked the other ProCom subgroups to give an overview of their latest activities:

- Mrs Pahl reported on the subgroup on National Sections/Qualifying Members support
- Mrs Weltens reported on the subgroup on social media
Next on the agenda was the evaluation of the YP-Com webinar and the InCom webinars that were organised by PIANC in November/December 2021 with the support of two different webinar support teams. The ProCom members discussed the two support teams and this feedback will be forwarded to ExCom for their meeting in February 2022.

The next ProCom meeting will take place on 1-2 February 2022 (two half days). Mrs Pahl would like to use these meetings for some deeper discussions about the ProCom topics.

Leen Weltens
Secretary ProCom

NEWS FROM YP-COM

Join the YP-Com Sub-Commission for Virtual Events in 2022!

We would like to take the opportunity to briefly look back at the great success of the first YP-Com International Virtual Event 2021, which was organised on 16-17 November 2021 by Rocio Lopez Velasco (Spain), Bianca Borca (Austria), Heather Houston (UK), Jack Lee Vun Zac (Malaysia) and Sebastian Iglesias (Argentina).

A new edition is planned for this year, and Rocio & Bianca have kindly agreed to head the sub-commission dealing with organising virtual events for 2022. We are looking for representatives from all regions to join this sub-commission in 2022, so please let us know if you are interested or perhaps you know someone who would be perfect for this!

Joining the sub-commission is a great way to get to know PIANC, to meet new people and to give back to the community.

In case you are interested to join us, we kindly ask you to send your request to rlopezvelasco@synthetex.com (please copy eslievrolijk@gmail.com and siglesias661@gmail.com).

Sebastian Iglesias
Co-Chair YP-Com

NEWS FROM THE PIANC COMMUNITY

PIANC and OCIMF Sign Memorandum of Understanding

PIANC would like to welcome on board the Oil Companies International Marine Forum (OCIMF) as new Sister Association! Francisco Esteban Leffler, PIANC President, and Karen Davis, OCIMF Managing Director, signed the Memorandum of Understanding in January 2022. The full press release can be found by clicking here.
News from PIANC Argentina

Participation of Argentine Members in the 1st PIANC YP-Com International Virtual Event 2021

The 1st PIANC YP-Com International Virtual Event 2021 took place on 16-17 November 2021, and it has great participation of Argentine members. Sebastian Iglesias (Co-Chair YP-Com) was a member of the event organising group, and the moderator of the Day 1 of the event. In the same day, Vincent Besson presented the dissertation 'Planning for Ports in Argentina: Success Stories and Challenges', in which he highlighted the importance of an adequate planning of port infrastructure to improve its performance.

As an example, he introduced the Port of Bahia Blanca case, in which an innovative planning effort has been undertaken, involving port specialists, governmental bodies and institution and the port community. In this presentation, the different stages of the planning process were discussed, focusing on the tangible outcomes for the port and showing how the Port of Bahia Blanca initiative may be paving the way for a better and more sustainable planning of ports in the region.

Technical Visit and Year End Event

On 3 December 2021, PIANC Argentina and the Argentine Association of Port Engineers (AADIP) held the first on-site technical visit since the beginning of the Covid-19 pandemic. The visited terminal was 'Terminales Rios de la Plata', in the Port of Buenos Aires, and it counted with great attendance, from which most of the assistants were YP-members.

Followed by the technical visit, for the third consecutive year, the year-end event of the Argentine Association of Port Engineers (AADIP) was held in the 'Escuela de Ciencias el Mar' (Buenos Aires).

The gathering started with a technical session lectured by Phd. Alejandra Gómez Paz, with the title 'Dynamism of the Maritime Port Connectivity, Challenges in South America', in which the regional connectivity challenges were exposed, considering the trade, the freight, the infrastructure, the new large container ships, the configuration of services and the business practices.

Then, following a still recent tradition, the 2021 edition of the PIANC Argentina/AADIP Yearbook was presented, offering the opportunity to recall the active Argentine participation in PIANC's Technical Commissions, as well as the past and future local and international activities.

The event, which gathered almost 20 attendees, among them many Young Professionals, ended with a toast to thank all the Individual and Corporate Members of PIANC Argentina, who accompanied us throughout the year, to celebrate 2021 achievements and to wish the local section a flourishing 2022.
YP Meeting and Workshop

Following the year-end event, and seizing the opportunity given by the presence of YP’s from all around the country, on 4 December, the YP-group organised a meeting and a workshop in a country house near the city of Buenos Aires. After reviewing past year’s events and activities, the new board of the YP-group in Argentina was elected, and the 2022-2023 programme of activities was drafted, including possible on-site visits and technical seminars.

The 13 YP’s attending the meeting reaffirmed their commitment to further strengthen the YP-group in Argentina.

Matias Palma
Delegate YP-Com Argentina

News from PIANC Australia/New Zealand

Cairns Shipping Development Project Webinar

In December 2021, PIANC WA Chapter presented a hybrid technical seminar - Cairns Shipping Development Project.

The lack of deepwater access at Cairns was considered a major economic hurdle for Far North Queensland. Ports North (PN) therefore pursued a plan for deepening and widening of the entrance channel and basin at the Port of Cairns, large enough to accommodate large cruise vessels.

Being located in the Great Barrier Reef World Heritage Area, the project had unique challenges and opportunities, with approval eventually granted in 2018 for dredging of approximately 800,000 cubic metres of soft and stiff clays, and onshore placement of all materials. The need for onshore materials placement and reclamation emerged following the Federal Government’s ban on sea disposal in 2015. The success of the project was recognised by an Engineers Australia Engineering Excellence Awards (AEEA) 2020 for the Queensland Division.

Women’s Networking Lunch

A 2021 event highlight was our first Women's Networking Lunch held in Perth in December - the first of PIANC ANZ’s planned events designed to better support women in the ports and marine industry - including coastal, management and research fields. Building our networks is a great start!
PIANC ANZ Regional Chapter for Tasmania

Another breakthrough ANZ event was a large successful gathering in November 2021 in Launceston, Tasmania, organised by Neil Lawson, which has resulted in the establishment of a new separate PIANC ANZ regional chapter for Tasmania.

The networking event included dynamic presentations from local industry leaders, including the CEO of TasPorts, Anthony Donald, A/Prof Vikram Garaniya, Director, National Centre for Maritime Engineering and Hydrodynamics at AMC, and Neil Lawson, Honorary Vice-President, PIANC International.

The event was supported by Corporate Members TasPorts and the Australian Maritime College (AMC).

Mary O’Connell
PIANC ANZ

News from PIANC Germany

On 3 December 2021, we planned the third PIANC Germany event in 2021 as a hybrid meeting. Due to the corona pandemic, we had to change our plans and meet virtually again. Nevertheless, we had very interesting discussions with 37 participants:

- A presentation on RecCom by Mr Hans Nickels
- A presentation on CoCom by Mr Hartmut Brühl
- A presentation on RecCom WG 149 - ‘Guidelines for Marina Design’ (2016) by Mr Thomas Pelke.
- A presentation on the status of MarCom WG 194 - ‘A Framework for Early Contractor Involvement in Infrastructure Projects’ by Mr Hartmut Brühl - with a very helpful link concerning a worldwide analysis of disputes in construction projects.
- An interim report on InCom WG 203 - ‘Sustainable Inland Waterways – A Guide for Waterways Managers on Social and Environmental Impacts’ by Mr Andreas Dohms

The very interesting presentation was filled with illustrative tables that gave a good overview of the relevant rules and regulations for marina design, which might be interesting for other PIANC sections to use this summary of WG 149 as well.

All information to this meeting will be shared on our German website. The next meeting will take place in March 2022.

Gabriele Peschken
Secretary PIANC Germany
NEWS FROM OUR PLATINUM PARTNERS

ShibataFenderTeam Released New Brochure for Foam Buoys and Barriers

The SFT Group, headquartered in Germany and the leading manufacturer of high-quality fender systems, has just published its SFT Buoys & Barriers Brochure. It provides valuable insights into the wide range of buoy products. SFT has been manufacturing foam fenders and buoys at its own production facility in Rechlin, Germany for many years, underlaying our experience and extensive knowledge in manufacturing of foam products.

The brochure presents performance data, information about construction and design features as well as drawings of a typical buoy layout. In general, the construction of floating buoys consists of four different components: 1) A fabricated steel core, 2) a rigid closed cell urethane foam core, 3) a resilient outer foam shell and 4) a reinforced elastomeric skin. Since foam buoys and barriers are highly customized, the brochure includes a questionnaire asking for the details of the buoy requirements which helps our engineers to design an optimal solution for your individual application.

We are happy to share our many years of experience and knowledge about foam buoys & barriers and provide reliable information for our stakeholders and the PIANC community. A free download of the ‘SFT Buoys & Barriers Brochure’ is now available at the SFT website.

Nadine Pape
Junior Marketing Manager ShibataFenderTeam

PUBLICATIONS

Just Shipped

The following publication was published in July 2021:

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

Publications Pipeline

The following publication will be published in May 2022:

- PIANC Yearbook 2021

We would like to take the opportunity to inform you of the possibility to advertise in the upcoming electronic version of the PIANC Yearbook 2021.

The rates are as follows:

- 1 page - full colour - Yearbook 2021 = 1,550.00 EUR
- ½ page - full colour - Yearbook 2021 = 950.00 EUR
- ¼ page - full colour - Yearbook 2021 = 550.00 EUR
- Page 2 and 4 of the cover + 20 %

In return, we will also put your company logo on our PIANC website (with a link to your website) on the page dedicated to the Yearbook for one year at https://www.pianc.org/pianc-yearbook.

If you are interested in advertising in our upcoming PIANC Yearbook 2021, please contact Mrs An Van Schel. The advertisement itself is due before 28 February 2022.
ON THE CALENDAR

IADC Online Course 'Dredging for Sustainable Infrastructure' - March 2022

Following on from the success of the previous online courses 'Dredging for Sustainable Infrastructure', CEDA and IADC have decided to organise another one on 9, 10, 16 & 17 March 2022. This course will especially be organised for participants from North, Central and South America. All sessions start at 11:00 hrs UTC-3!

In the course, participants learn how to achieve dredging projects that fulfil primary functional requirements while adding value to the natural and socio-economic systems by acquiring an understanding of these systems in the context of dredging as well as stakeholder engagement throughout a project’s development.

For more information and registration for the course, please click here.

René Kolman
Secretary-General IADC

Save the Date for the PIANC Asian Seminar 2022

The PIANC Asian Seminar 2022 will be organised virtually to facilitate networking among Asian port engineers through exchanging technical findings on the maintenance of port infrastructure in the Asian region. The seminar will be organised in May 2022 (exact date to be determined yet) by PIANC Japan.

Subjects will include maintenance of concrete port infrastructure in Japan and other Asian countries. The programme and registration page are being finalised, so keep an eye on the PIANC website, newsletter and social media for more information on the Asian Seminar!

Mitsuhiko Okada
PIANC Japan & Vice-President of PIANC

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