SEPTEMBER 2020

We are still undergoing some very strange times with the Covid-19 crisis altering all plans all over the globe. Nevertheless, everyone is making big efforts to try to keep business running, which is also the case for our people in the PIANC family!

Because of the pandemic, the PIANC ExCom, Council and AGA meetings will be held virtually in October 2020 and the future of many of our international events is still quite uncertain. We will keep you informed about these events as soon as we can! In the meantime, we hope you and your loved ones are continuing to be safe and with you, we are hoping for the tide to turn. Stay safe and stay connected!

NEWS FROM INCOM-RECCOM-ENVICOM

Kick-Off of InCom/RecCom/EnviCom Working Group 228 on the 'Extended Values of Low Use Inland Waterways'

InCom/RecCom/EnviCom Working Group 228 on the 'Extended Values of Low Use Inland Waterways' started last May. The WG works on the viability of the veins of our waterway networks and how to assess and combine functions with regards to commercial navigation but also relating to values like environment, recreation, history and monument conservation. The WG currently consists of members from China, India, Europe and the Americas with backgrounds in authorities, consultancy and research. Also two Young PIANC members from China joined the WG. PIANC’s Sister Association Inland Waterways International (IWI) is involved as well because of its strong association with the subject.
The first two meetings have now taken place with a focus on brainstorming, discussing and framing the subject which resulted at this moment in a provisional table of contents and the formation of subgroups to work on the separate chapters.

Arjan de Heer MSc
Chairman of WG 228

NEWS FROM PROCOM

ProCom (Online) Meeting 2020-4 on 15 September 2020

On 15 September 2020, the Promotion Commission (ProCom) already held its fourth meeting in 2020, and thus being the third completely virtual meeting. The participation from members is at a steady high number, leading to fruitful discussions and joint decisions enabling our Commission to continuously evolve.

The Promotion Commission is currently structured to five different subgroups to focus on the most important topics and to bundle our members’ resources. Setting up new ideas, creating guidelines for established processes and fostering marketing and communication support within the association are only some of the current activities. The promotion of Working Groups’ Achievements is a key topic for us, and we thank the Commission Chairs for informing their Working Group Chairs.

I would herewith like to thank all ProCom members for their continuous dedication to reach our goals. You are all doing a great job and I look forward to everything that comes.

Anna-Lena Pahl
Chairperson of ProCom

NEWS FROM FINCOM

FinCom (Online) Meeting on 17 September 2020

There should be a first time for everything. And so, FinCom held its very first Microsoft Teams meeting on 17 September 2020. For some of us, it was quite an early start in the morning, for others it was late at night or quite late in the evening. Fortunately, the majority of FinCom members are living in Europe, which allowed us to start the meeting at noon.
The traditional FinCom topics were treated, although COVID-19 not only influenced the style and format of the meeting, but also the subjects.

Organising events, in particular PIANC-COPEDEC in Manila, PIANC-SMART Rivers 2021 in China, and the PIANC World Congress in Cape Town, will depend on the possibility of travelling there, which might be prevented by the pandemic. It will greatly affect the possibility of organising successful and financially viable events. Hence, FinCom and PIANC are facing major uncertainties, which can affect both spending and revenue on and from events. The management of a healthy financial balance sheet must be the specific focus of FinCom in these uncertain times.

This photo shows the various participants in the FinCom meeting: Neil Lawson (Australia), Geert Van Cappellen (Secretary-General), Remi van der Wijk (the Netherlands), Jan Reche (Germany), Chairman Ian White (UK), Jacques Paul (France), Manuel Arana Burgos (Spain) and Joe Mantey (USA). The photographer and Secretary Herbert Smitz (Belgium) can be found in the bottom right-hand corner in the small frame!

NEWS FROM YP-COM

1st PIANC YP-Com Americas Seminar Postponed

Due to constraints related to COVID-19 and the restrictions on international travelling, the Organising Committee has decided to postpone the 1st PIANC YP-Com Americas Seminar until further notice.

Follow us on LinkedIn and stay tuned on upcoming Sailing Ahead editions for further developments.

Rodrigo Moltó
Secretary of YP-Com
Felipe Arecco - 7 September 2020

Great news from Argentina! On 7 September 2020, former YP-Com Chairman Pablo Arecco and his girlfriend Soledad became the proud parents of a little boy named Felipe! As from now, Soledad is flanked by Pablo and three sons. PIANC International would like to welcome Felipe and wishes all the best to Pablo, Soledad and the boys! And who knows, Felipe might just one day fill his dad's shoes as YP-Com Chairman!

NEWS FROM THE PIANC COMMUNITY

Revival of PIANC Canada

After a long period of standstill, PIANC Canada managed to get back on its feet and kicked off again on 17 August with an interim Board of Directors:

- President – Stephen Kwok
- Vice-President – Helen Jenkins
- Secretary – Martijn Van Den Berk
- Treasurer – Luc Boisclair

PIANC International welcomes the Canadian Section back on board!

News from PIANC USA

This past year, PIANC USA initiated a new mechanism for sharing the latest from PIANC’s Working Groups and Technical Commissions to our members and colleagues – quarterly webinars. Envisioned as a way to connect with and engage our membership in PIANC activities from coast to coast on a more regular basis without the need for travel, little did we know at the time that this form of knowledge sharing would become the primary means of communication. To date, PIANC USA has hosted three webinars:
one each from EnviCom, RecCom and InCom. A MarCom focused webinar is being planned for later this year. Recordings of each webinar are available via YouTube (links below).

The initial webinar programme, held 26 August 2019, highlighted the findings of the recently published Working Group 176 - 'Guide for Applying Working with Nature to Navigation Infrastructure Projects'. Dr. Victor Magar (Principal, Ramboll), who served as both the US principal delegate and working group chair, discussed the findings of this groundbreaking study and the potential for implementing the Working with Nature approach in navigation projects. To view the webinar recording, please click here.

The second PIANC USA webinar, 'Fundamentals of Marina Planning & Design – from Small Recreational Boats to Superyachts', was held on 26 February 2020, organised by the US RecCom delegate Mark Pirrello (Senior Engineer, Moffatt & Nichol). This webinar referenced the Working Group 134 - 'Design and Operational Guidelines for Superyacht Facilities' and Working Group 149 - 'Guidelines for Marina Design' publications coupled with practical experience and applications. The featured presenters included Margaret Boshek (Coastal Engineer, Smith Group), Tim Mason (Principal Engineer, Applied Technology & Management), Nicole Pauly (Marine Structural Engineer, Moffatt & Nichol) and Megan Lagasse (Marine Director, Pier 66 Hotel and Marina). To view the webinar recording, please click here.

The US InCom delegation organised the third PIANC USA Webinar 'Corrosion Protection of Lock Equipment with Dr. Rebekah Wilson'. The webinar was held on 17 June 2020 with more than 200 participants joining live. Dr. Wilson, the Director of the Paint Technology Centre, Construction Engineering Research Laboratory, U.S. Army Engineer Research and Development Centre, discussed the findings of Working Group 190 - 'Corrosion Protection of Lock Equipment', with particular focus on the selection and application of coatings for hydraulic gates in the US. To view the webinar recording, please click here.

Kayla Waltemire
Secretary of PIANC USA

News from PIANC Australia/New Zealand (A/NZ)

Australasian Coasts & Ports 2021 to be held in September 2021 in Christchurch, NZ

The Australasian Coasts & Ports Conference series is the pre-eminent forum in the Australasian region for professionals to meet and discuss issues extending across all disciplines related to coasts and ports. Our Conference theme ‘Te oranga takutai – Adapt and Thrive’ recognises the dynamic coastal environment that we live in and the need for coastal communities to be resilient and adaptable to thrive.
Ōtautahi Christchurch and the wider Canterbury region are outstanding examples of this, with major seismic events having caused rapid and significant changes to the coastal environment and substantial damage to public and private assets and infrastructure. These events provide an ideal laboratory to examine the ongoing physical and built environment adjustments, and the possibilities for building stronger, more resilient and vibrant communities.

Changes in YP-Com – ANZ

Welcome to our new PIANC ANZ YP-Com Chair, Claire Treeby. Claire grew up in the port city of Albany, Western Australia, and is currently based in Perth managing capital upgrade projects for iron ports in the Pilbara. She has a structural engineering background, with a focus on marine structures such as wharves and jetties. Claire has been actively involved as the YP representative for the WA Regional Chapter for the past two years organising events and reaching out to YPs in the region.

Our thanks must go to outgoing ANZ YP-Com Chair Rodney Hancock who has been a very effective PIANC organiser for the last three years, assisting the PIANC ANZ Board in building regional chapters at home, and in effective connection and communication with the rest of global PIANC YP-Com. It is fitting therefore that his new role within PIANC is that of YP Vice-Chair of the entire Asia Pacific region.

Rodney steps into the role Dr Tom Shand has held for nearly three years. A big thank you from the ANZ Board to Tom for his leadership in the region, which included some very special events including the 3rd PIANC YP-Com Asia-Pacific Seminar in Korea in 2018 and the BTV in Singapore in 2019. We wish him all the very best in organising the next Coasts & Ports 2021 to be held in Christchurch, with its timely theme: *Te Oranga Takutai*, Adapt and Thrive.

Mary O'Connell
Communications support
PIANC Australia & New Zealand

PIANC Germany and the Hafentechnische Gesellschaft Join Forces
As PIANC Germany and Germany’s Hafentechnische Gesellschaft (HTG) are fostering their relations, they are also re-establishing the exchange between both organisations’ Young Professionals, in order to build up a stable foundation for the future. Therefore, Anja Brüning (German YP-Com Delegate) was invited to present PIANC and YP-Com’s activities to the ‘Junge HTG Workinggroup’ and share ideas of possible future collaboration.

Gabriele Peschken
Secretary of PIANC Germany

Ports Ill-Prepared for the Effects of Climate Change?

A recent article in *The Economist* drew attention to how climate change is already affecting ports globally, and explained how climate change challenges are only going to increase. Of particular note, ‘Stormy Waters: Ports are Highly Exposed to Climate Change and Often Ill-Prepared’ (12 September 2020) highlights that over half of global trade passes through ports with high climate risks.

“To find out how big the risk to global trade is, *The Economist* asked Four Twenty Seven, a climate-risk consultancy, to assess the world’s 340 or so biggest ports, according to the Institute of Shipping Economics and Logistics. The analysis looked at the ports’ annual throughput, measured in 20-foot equivalent units, and their exposure to six types of climate-related events, including storms and wildfires. Fully 55 % of global trade passes through ports which have a high risk of at least one type of event. (‘High’ in this case means roughly the exposure that South Carolina has to hurricanes.) About 8 % of trade was vulnerable to three or more climate hazards.”

*The Economist* further points out the practical difficulties associated with adapting aging port infrastructure, and refers to the ‘extreme weather events’ survey undertaken by the PIANC-led Navigating a Changing Climate partnership. As reported in the first IAPH World Ports Sustainability Report, only 15 % of the ports responding to the survey have in place extreme weather risk assessments, contingency plans and early warning systems. Nearly a quarter have done none of these things, even though more than half of respondents indicated that their port is already experiencing extreme weather events more frequently.

According to *The Economist*, there are various reasons why action is not being taken: “it is not always clear who is responsible for a port’s resilience. Many ports are government-owned but operated by a firm … Another hurdle, particularly in poor countries, is climate financing. Ports often go to development banks to raise funds. The banks are used to supporting big infrastructure projects. It is hard to get small amounts of money for a single port.”

*The Economist* concludes that some efforts to ease the problem are underway, including publications such as PIANC’s WG 178 guidance on climate change adaptation planning for ports and inland waterways. But more remains to be done if future disruption to the 80 % of the world’s goods traded through ports is to be minimised.

Jan Brooke
for PIANC-led Navigating a Changing Climate

Addressing Climate Change Challenges with Sediment Management - Joint SedNet-Navigating a Changing Climate Workshop - Announcement and Request for Presentations

This Workshop is planned to take place in Rome, Italy on 10-11 February 2021, but will possibly be turned into an online event depending on how the COVID-19 situation evolves.

Navigating a Changing Climate is a PIANC-led Global Climate Action initiative under the UNFCCC ‘non-state actor’ process, set up to promote the sharing of knowledge on how ports and waterborne transport infrastructure can reduce emissions and adapt to climate change (find out more at [https://navclimate.pianc.org/](https://navclimate.pianc.org/)). SedNet is the European network aimed at incorporating sediment issues and knowledge into European strategies to support the achievement of a good environmental status and to develop new tools for sediment management (see [https://sednet.org/](https://sednet.org/)).

Navigating a Changing Climate and SedNet are collaborating to run a workshop exploring areas of comment interest. The workshop, entitled “Addressing climate change challenges with sediment
management”, is planned to comprise two consecutive half-day sessions. Its aim is to facilitate knowledge exchange, disseminate good practice, highlight opportunities, and identify gaps in understanding or research needs in relation to the following topics, with an emphasis on ports, waterways, dredging and associated infrastructure/activities.

Those interested in making a presentation at this workshop are encouraged to use the provided template to prepare a one-page overview (abstract) which should be submitted by 31 October 2020. Please click here to find more information on the workshop.

Jan Brooke
for PIANC-led Navigating a Changing Climate

NEWS FROM OUR PLATINUM PARTNERS

ShibataFenderTeam Delivers Presentation at Congreso Argentino de Ingeniería Portuaria

Daniel Lacueva Oyarzabal, ShibataFenderTeam’s Spanish-based Sales Engineer talked about critical processes for the selection of materials and the production of fender systems during the XI Congress of the Asociación Argentina de Ingenieros Portuarios (AADIP). The presentation was very well perceived by all participants and introduced ShibataFenderTeam’s core topic of the last two years, which is to educate the marine industry about fender manufacturing, all in a transparent way.

The congress involved participants from different fields, such as academics or professionals of the industry, all of them sharing their technical knowledge and experience in the marine industry. While the knowledge of fender design and manufacturing is still very specific, the high attendance to SFT’s seminar was the perfect example of how important it is to understand this critical part of every port’s design and operation.

Lacueva Oyarzabal started to explain the rubber compound’s raw materials, its quality features, the composition of the different components and how to determine the compound’s quality, which is by physical properties testing and not by chemical composition analysis which is a common misunderstanding within the industry. The participants of the congress were furthermore able to learn more about the mixing process of the different components and that various mixing devices exist, all having their advantages and disadvantages. The presentation finished with an overview of different manufacturing and curing methods of rubber fenders, always an interesting topic for the marine industry, which was also the case for the congress participants.

ShibataFenderTeam welcomed the chance to support the Asociación Argentina de Ingenieros Portuarios (AADIP), being the designated representative of PIANC in Argentina.

Further information about Lacueva Oyarzabal’s presentation and the production of fender systems is available both in Spanish and English. Another opportunity to update one’s knowledge about fender design and production is to arrange a customised Technical seminar – more than 500 participants already trusted the free and individual interactive sessions from ShibataFenderTeam experts.
Trelleborg Supplies Parallel Motion Fenders to Danish Port

Trelleborg's marine and infrastructure operation has completed the supply of its twin parallel motion fenders to Ferry Berth 4 at the Port of Hirtshals, Denmark, helping the port to enhance berthing operations.

The project required a fender solution that would produce a low line load on the vessel's belting and avoid contact with the vessel's hull. A challenging range of vessel types coming in to the berth all required a fender with an optimum amount of energy to be absorbed.

Peter Ydesen, Technical Manager at the Port of Hirtshals, says: "The new Ferry Berth 4 is a significant project, which will allow for vessels of various sizes to enter the port at high berthing velocities, including Fjord Line's new longer catamaran, Fjord FSTR. Trelleborg purpose-designed a high-performance twin parallel motion fender, which compresses and adapts to suit each vessel coming into berth – a technology we haven't used in Denmark until now. We are extremely pleased with the company's solution and were thrilled to complete the project on time."

Trelleborg's twin parallel motion fender system ensures that the panel remains parallel at berth to avoid contact with the vessel's hull and ensure contact with the belting only. The panel was designed to be 3.7 meters wide in order to evenly distribute the load from the fender and – using a combination of back-to-back cone fenders – the fender system is able to use its soft rubber panel to reduce reaction force as much as possible.

Mishra Kumar, Director of R&D at Trelleborg's marine and infrastructure operation says: "We worked in close collaboration with A1 Consult to produce a tailor-made fender that could effectively meet the combination of requirements at the Ferry Berth 4. This included limited space available to install the fender and a low tolerable line load on the vessel's belting. The parallel motion fender was designed to be as compact as possible to minimise civil works and costs, whilst guaranteeing a safe and supportive environment for vessels to berth, without risk of damage to belting or hull."

Trelleborg's twin parallel motion fender system has the ability to absorb twice as much energy compared to a regular cone fender. One fender in the system is made from a hard rubber compound, while the other is made from a softer compound. This enables the twin parallel motion fender system to accommodate the berthing of different-sized vessels. The system can be applied to a wide-range of cargo berths, bulk terminals, oil and LNG terminals and container berths, as well as RoRo and cruise terminals.

Parallel motion fender systems have a proven track record having been successfully installed at many of the world's ports, including ports in Norway and Sweden to ports in Australia, Qatar and the UK. Please click here for more information about Trelleborg's Parallel motion fender systems.

Chris Sanders
Trelleborg

PUBLICATIONS

Just Shipped

The following publications were published in August/September 2020:

- WG 168 (RecCom): 'Single Point Yacht Moorings'
- WG 179 (InCom): 'Standardisation of Inland Waterways - Proposal for the Revision of the ECMT 1992 Classification'
Publications Pipeline

The following publication will be published in October 2020:

- WG 201 (InCom): 'Framework for an Inland Waterway Classification in South America'

Save money by becoming a member of PIANC and download ALL PIANC publications FOR FREE from the Members Only password protected pages!

ON THE CALENDAR

FACE-TO-FACE AND VIRTUAL CONFERENCE PARTICIPATION NOW AVAILABLE

With the current border closures preventing some speakers and delegates from being able to travel to Perth, PIANC and the Local Organising Committee have decided to implement a hybrid Conference model. The hybrid Pre-Conference Symposium (1 December 2020) and Conference (2 & 3 December 2020) will consist of a face-to-face Conference at the Esplanade Hotel Fremantle, coupled with a live stream of the program so that both in-person and remote delegates can attend and present. By offering a hybrid model we can be more inclusive and welcoming to a larger community who may not be able to attend in person due to travel, budget and other restrictions.

The PIANC Board and Local Organising Committee are cognisant of the fact that many delegates have not been able to connect, learn and socialise during the pandemic, so have reduced registration fees, both face-to-face and virtual, to make the event as accessible as possible. Discounted fees for students and participants from developing countries are available. This will provide a better opportunity to reconnect with friends and colleagues, meet new people and share knowledge from all stakeholders connected to harbours, ports and recreational boating.

EARLYBIRD REGISTRATION EXTENDED TO 18 OCTOBER

The Symposium on Nature Based Solutions for Coasts, Ports and Estuaries will be a single streamed Symposium that will bring together four keynote presentations from prominent international speakers (delivered via live streaming) and ten additional invited speakers, with plenty of time for interactive discussion. Note that the Symposium is part of the Conference and attendees are encouraged to register for the Symposium and the full Conference.

The final Symposium and Conference programmes will be released shortly. For any queries, please contact the Conference Secretariat on +61 3 9863 7607 or lexie.duncan@encanta.com.au. More information can be found on the Conference website. Registration can be done here.