SEPTEMBER 2021

For most of us, summer break has come to an end so we are gearing up for the final four months of the year. As usual, we are preparing for our autumn meetings: the ExCom and 85th Council meetings will take place on 13 and 20 October 2021, respectively. We hope that these meetings can finally mark the end of fully virtual meetings, so we can meet each other in person again during our winter meetings in January/February 2022.

Moreover, both InCom and the YP-Com International Task Group on Virtual Events are planning a series of webinars in the course of November-December 2021. You can find more details about these events in this newsletter. Don't forget to save the dates and tune in! We also invite our other Commissions to follow this example, so we can start a new tradition of organising webinars on interesting Commission or Working Group topics!

For now, sit back, relax and enjoy reading 'Sailing Ahead'!

NEWS FROM MARCOM

Update on WG 171 - 'Ship Handling Simulation Dedicated to Channel and Harbour Design'

In autumn 2014, the PIANC MarCom Working Group 171 on 'Ship Handling Simulation Dedicated to Channel and Harbour Design' started to work. Today, we are happy the report is on the home straight while being in review process by external specialists. We are optimistic to get it published soon.

To reach that, a couple of busy meetings were necessary: we met in Madrid (Spain), Wallingford (UK), twice in Panama City (Panama), Antwerp (Belgium), Echirolles (France), twice in Hamburg (Germany) and once virtually during the Covid-19 pandemic.
The report is intended to provide an overview on shiphandling simulation as an aid for waterway design. It shall cover all aspects of a ship handling simulation dedicated to civil engineering tasks at waterways and harbours. Therefore, the chapters follow the typical workflow when planning and performing this kind of simulation. Nevertheless, it is obviously impossible to address all questions which might arise, the report covers all aspects as detailed as considered necessary and will hopefully be regarded useful by many parties in this field and be found helpful by newcomers as an entire introduction to the and entering point in the topic.

Carl-Uwe Böttner
PIANC WG 171

NEWS FROM INCOM

Save the Dates! Series of InCom Webinars in Autumn 2021!

Four interesting InCom webinars will be organised in the course of November/December 2021 dealing with the following recent publications:
8 November 2021: Webinar on InCom WG 201 - ‘Framework for the Classification of Inland Waterways in South America’

24 November 2021: Webinar on InCom WG 197 - ‘Developing Small Hydro on Inland Navigations’

29-30 November 2021: Webinar on InCom WG 191 - ‘Composites for Hydraulic Structures’

10 December 2021: Webinar on InCom WG 198 - ‘Saltwater Intrusion in Inland Waterways’

The programmes and registration page are being finalised and they will be put on the PIANC website in a few days.

Save the dates and keep an eye on https://www.pianc.org/events for more information in the coming days!

PIANC HQ

NEWS FROM ENVICOM

Workshop on PIANC TG 193 - ‘Assessing Resilience: Case Studies and a Path Forward for the Marine and Inland Waterborne Transportation System’

On 26 August 2021, PIANC EnviCom sponsored a panel entitled ‘Assessing Resilience: Case Studies and a Path Forward for the Marine and Inland Waterborne Transportation System’. The panel was hosted by Dr. Austin Becker, the Director of the Department of Marine Affairs at the University of Rhode Island. Panel presenters included Ms Katherine Chambers, a research scientist at the U.S. Army Corps of Engineers, Dr. Craig Phillip, a research professor at Vanderbilt University, and Mr. Paul Holthus, CEO of World Ocean Council.

The topics covered by the panelists included motivations for conducting resilience assessments, a Marine and Inland Waterways Resilience Assessment Guide in development, the outcomes of a PIANC Report on resilience written by Task Group 193, and insights into the business case for undertaking resilience and climate adaptations. The panel was attended by over 115 professionals from almost every continent.

Katherine Chambers
Member of PIANC TG 193

Working with Nature for Climate-Resilient Ports and Waterways Online Workshop
Sponsored by PIANC and Navigating a Changing Climate

PIANC EnviCom and the Navigating a Changing Climate partners collaborated to run a workshop titled ‘Working with Nature for Climate-Resilient Ports and Waterways’. This workshop comprised two consecutive 2-hour sessions, building on the February 2021 workshop run by Navigating a Changing Climate and SedNet focused on sediment management and climate change.
Two consecutive sessions were held, each 2 hours long. Each session was lead with a keynote speaker, followed by 4 to 6 case studies, and a 30-minute roundtable discussion with audience input.

The consecutive sessions were recorded and are available using the links shown below.

Session 1 - 14 September 2021: Scaling Up and Changing Entrenched Current Practice
Learn how to transition nature-based coastal and inland resiliency projects from concept and pilot-scale to full-scale and persuade those who prefer to carry on with business as usual to explore nature-based solutions to help strengthen resilience to the changing climate.

Session 2 - 15 September 2021: Making the Business Case and Securing Finance
Preparing the case for investment and how to facilitate public and private sector funding for nature-based climate change adaptation and resiliency projects.

The workshop 'Working with Nature for Climate-Resilient Ports and Waterways' was conducted to facilitate knowledge exchange, disseminate good practice, highlight opportunities, and identify gaps in understanding or research needs. It also provides an opportunity to facilitate dialogue and networking, in turn strengthening this professional community of practice.

Workshop Organising Committee:

- Victor Magar (Host), Ramboll
- Kate Panayotou, GHD
- Burton Suedel, USACE
- Jan Brooke, Navigating a Changing Climate
- Luca Sittoni, EcoShape

NEWS FROM PROCOM

ProCom Meeting 2021-3 on 20 September 2021

Even though she is still on maternity leave, ProCom Chair Anna-Lena Pahl wanted to 'gather her troops' after the summer break for an update on ProCom's activities in the past few months! On 20 September 2021, the ProCom members once again met up virtually to discuss current ProCom matters.

As usual, the ProCom members went through the ongoing Action Points and the minutes of the previous meeting.

Furthermore, the following topics were on the agenda of this meeting:

- The issue of combining all 'loose' PIANC documents regarding PIANC's house style, use of the logo, copyright, etc. into one big guidance document and aligning the house style/branding of all existing PIANC 'products'.
- PIANC's upcoming webinars in the autumn of 2021 (see News from InCom & News from YP-Com) and webinar support.
- Update on the status of the new PIANC membership software.
Update on ProCom's subgroups’ work.

The ProCom members had fruitful discussions regarding these topics and two new ProCom meetings will be fixed mid-October and mid-December to follow up on all Action Points of this meeting.

Leen Weltens
HQ/ProCom

NEWS FROM YP-COM

PIANC YP-Com 36th Meeting – 8 September 2021

Gensheng Zhao presented the PIANC-SMART Rivers Conference, planned for October 2022, while Matt McCarty presented the theme, location and ideas for the PIANC YP-Com Biennial Technical Visit (BTV) planned in Florida, United States in March 2023.

Moreover, the International Virtual Events Task Group (Bianca Borca and Sebastian Iglesias) presented more details on YP-Com’s International Virtual Event, which is planned for 16-17 November 2021 and on which you can find more information some paragraphs below.

Furthermore, Koen van Doorslaer gave a presentation on MarCom, informing Young Professionals of their main activities and explaining how YP’s can get involved in MarCom (or other Technical Commissions and Working Groups).
Lastly, the (alternate) Vice-Chairs of each region provided updates, with Lisa-Maria Putz leading the overview of the Europe-Africa, Rodney Hancock, Jack Lee Vun Zac and Hyun Dong Kim leading the Asia-Pacific and Nina Piccoli and Virginia Sy leading Americas.

It was great to catch up with the Delegates and Observers from across the world, and we are looking forward to the international events that are coming up!

Eslie Vrolijk
Chair YP-Com

PIANC YP-Com International Virtual Event

Who would not agree one of our favourite things about PIANC is travelling, networking, and sharing knowledge with colleagues from all over the world? As we gather momentum towards a new phase of meeting each other in person again, we want to offer you the chance to experience it (virtually), in 2021.

The Young Professional (YP) PIANC International Virtual Event 2021 is a global initiative by the PIANC Young Professionals Commission (YP-Com) to gather the PIANC community and to connect with professionals from the waterborne transport industry. We invite all PIANC Commissions, fellow members and non-members to gather and join us in this truly international event.

The 2-day online event – on 16 and 17 November 2021 – will include presentations from YPs from all regions. Day 1 will offer presentations from the American region, as Day 2 will focus on presentations from Europe, Africa, and Asia Pacific. Moreover, the agenda is adjusted to cover time zones in different continents during both days. Check our agenda (link to agenda) for details!

Presentation topics will cover the four major areas of waterborne transport infrastructure: Inland navigation, maritime navigation, recreational navigation, and environmental aspects of navigation.

Cross-cutting topics, such as climate change in navigation, will also be addressed. Apart from high-quality technical presentations, interactive sessions will be organised to allow for networking. It will be fun!

Please do not hesitate to share this event with your fellow members and professionals! The event is open to all professionals in our industry.

Should you have any inquiries or suggestions, please contact the event task group team led by Sebastian Iglesias at siglesias661@gmail.com.
NEWS FROM THE PIANC COMMUNITY

News from PIANC Germany

On 23 September 2021, the second PIANC Germany event in 2021 was held again as a virtual meeting with 30 participants. We started the meeting listening to a very interesting presentation about the current developments of ProCom (thanks to the youngest participant Johan (4 months) who was sleeping!).

Next point on the agenda was YP-Com – Anja Brüning and our guest from Austria, Lisa-Maria Putz gave us the latest news to the upcoming events of YP-Com – please encourage your younger colleagues to participate!

As we had some technical problems, we only had a few responses to the interactive collection of the expectations of the members of PIANC Germany concerning our website – we will continue to improve it!

Thanks to Bärbel Koppe, who helped us to fill the gap. She gave us the important information about the EnviCom Report WG 178 - 'Climate Change Adaptation Planning for Ports and Inland Waterways'. As this topic is very important for the German harbours, it will be followed up by the HTG (German Port Technology Association).

Afterwards, the InCom report WG 189 - 'Fatigue of Hydraulic Steel Structures – Design, Analysis, Assessment and Maintenance' was presented by Thomas Hesse (BAW).

All information about this meeting will be shared on our German website as soon as possible. The next meeting will take place in December, hopefully in person.

Gabriele Peschken
Secretary PIANC Germany
On 19 September 2021, PIANC Iran hosted an online webinar entitled ‘Working with Nature’, consisting of three presentations:

- ‘The concept of Working with Nature for maritime infrastructure projects’ by Dr. Naser Hajizadeh Zaker
- ‘Working with Nature Approach - Case Studies’ by Dr. Mehdi Shafiee Far
- ‘PIANC’s Working with Nature Initiative’ by Dr. Sahar Mokhtari

It was the first of the PIANC Iran webinar series and was a free event for all attendees.

Following the lectures, there was a 30-minute question and answer session in which the attendees shared suggestions and opinions on the subject. It was an excellent opportunity to bring together 70 attendees from the Ports and Maritime Organization of Iran, Iranian Universities, and consulting engineering companies.

PIANC Iran is going to organise more webinars in the future, so stay tuned for more details coming soon!

Atefeh Afshoon
PIANC Iran

4th Webinar in Malaysia Organised by PIANC and the PIANC YP's

PIANC and PIANC's Young Professionals successfully carried out their 4th webinar in Malaysia this year. With 43 participants from 10 different organisations, it was by far the best attended webinar so far. The guest speaker was Bruno Fresel, regional manager for Asia at Boskalis. Bruno gave an intrigued presentation entitled ‘Makassar Centre Point of Indonesia: Execution Feedback on a Large Reclamation Project’. The project highlights Boskalis’ success with the large-scale reclamation whereby it was completed within the targeted timeline while incurred minimal impact to the surrounding environment through the novel usage of the spraying pontoon.

The next webinar is scheduled in November 2021. We are looking forward to a greater participation from the Malaysian navigation infrastructure community to share knowledge and exchange industry best practices.

Jack Lee Vun Zac
PIANC Malaysia
PIANC USA Welcomes Hamna Zaheer as New Deputy Secretary

Hamna Zaheer is a computer scientist who is very passionate about learning new things. Hamna holds a Bachelor’s degree in Computer Science (2016) and a Master’s degree in Software Engineering (2019) from George Mason University. From 2015-2019, Hamna served as an intern at IWR as a Computer Scientist Fellow. During her time at IWR, she worked as part of the Navigation and Civil Works Decision Support Center (NDC) supporting program efforts associated to several information systems. In August 2019, Hamna left IWR to join Unisys Federal as a Junior Software Developer, working as part of a team involved on the design and development of biometrics software for a project sponsored by the U.S. Department of Homeland Security. Hamna rejoined IWR last year and is currently providing her valuable technical expertise and experience supporting the work for the development and improvement of navigation databases and systems under NDC’s responsibility. Hamna is very excited to join the PIANC team as the new Deputy Secretary and looks forward to work alongside PIANC leadership and provide support to continue PIANC’s mission and activities.

Kayla Waltemire
PIANC USA

NEWS FROM OUR PLATINUM PARTNERS

Anna-Lena Pahl, Head of Marketing of the ShibataFenderteam Group, Participates in the Second Virtual Meeting of PIANC Germany to Represent PIANC ProCom

After a successful and well-received event in April, the second meeting of PIANC Germany took place on 23 September 2021. We are happy to see that PIANC is thriving and growing in Germany!

Last time we had the great opportunity to present our free Online Technical Seminars to the PIANC members, this time our colleague Anna-Lena was attending the second event to present the latest developments of the PIANC Promotion Commission, which she is passionately leading and doing a great job for, even during her maternity leave.

For us, it is always a pleasure to participate in such events and we are happy to see that some meetings are scheduled to take place again in person, even though they had to be postpone a couple of week. Exhibitions such as Australasian Coasts & Ports, are great platforms every year, to interact with stakeholders in the Australasian region.

We've had many successful virtual meetings over the past few months, but thankfully it doesn't seem to be that long before we can meet again in person with our Working Group members and all valued PIANC colleagues.

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

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

6th World Forum of Cities and Logistics Platforms - Foro Mundial de Ciudades y Plataformas Logísticas

This Virtual Forum will take place on 20-22 October 2021 with the overall theme 'Economic Development Through Logistics Platforms'. PIANC will also occupy a virtual stand in this very interesting event, please click here to check it out!

For more information about the event and for event registration, please visit https://foromundialaragon.ompcl.org.

Practical Climate Change Adaptation Challenges and Good Practice Solutions for Ports

This free-to-attend conference will be held on 2-3 November 2021 and is very much in line with PIANC's Permanent Task Group on Climate Change (PTG CC)'s interests, so please spread the word!

The two half-day sessions are timed to facilitate participation on Day One from Europe and the Americas, and on Day Two from Europe and Asia/Australia. Speakers from ports around the world will explain the climate change challenges they are facing, and will share experiences on what they are doing to strengthen resilience and adapt port infrastructure and operations. The conference will be recorded and made available online to allow those for whom the timing does not work, to catch up at a later date.

Details, including a link to register your interest in attending, can be found at https://www.maritimeuk.org/imh-2021/imh-events/adaptation-solutions-ports.

Jan Brooke
PIANC PTG CC

Webinar 'Coastal and Port Engineering in Portugal - Large Ongoing Works'

On 18 November 2021 at 17.00 pm (GMT+1), the Webinar 'Coastal and Port Engineering - large ongoing works' will take place. The extension of the outer breakwater of the Port of Leixões, the extension of the east breakwater of the Port of Sines, the emergency protection works at the Port of Lajes das Flores, and the main coastal protection works promoted by the Portuguese Environmental Agency will be presented and discussed.
This webinar, organised by the Portuguese delegation of PIANC, intends to present some of the most relevant works that are underway in Portugal. For more information, please visit https://www.pianc.pt.

Maria Graça Neves
First Delegate PIANC Portugal

COPRI Ports '22 Conference – Honolulu, Hawaii

This conference is scheduled to take place on 18-21 September 2022. Learn more and register on their website at https://www.portsconference.org/.

Top 5 reasons to attend:

• Leaders in the Ports industry share lessons learnt, port innovations, advancements in technology, and best practices.
• Discussions range from planning to management to design to construction to total life cycle topics.
• Networking with owners, government agencies, and private industry from both the Deepwater and Inland Port communities.
• Topics suitable for both students and younger members as well as seasoned professionals.
• Honolulu in the fall is perfect for learning, networking, and fun.

Kayla Waltemire
PIANC USA

ICOPMAS 2022 - Tehran, Iran - First Call for Abstracts
The International Conference on Coasts, Ports and Marine Structures (ICOPMAS) 2022 will take place in Tehran, Iran from 31 October to 2 November 2022. Please click on the image on the left to find the first Call for Abstracts containing also the dates for abstract submission and registration.

Topics include:

- Hydrodynamic and Sediment
- Port Engineering and Coastal Structures
- Port and Coastal Management
- Offshore and Pipeline Engineering
- Marine Environment and Safety

For more information, please email icopmas@pmo.ir or visit http://www.icopmas.pmo.ir.

OBITUARY

Vale Peter Fountain (1946-2021)

The PIANC ANZ Board and community was enormously saddened to hear of the unexpected passing of maritime industry legend and leader Peter Fountain on Monday 6 September. Peter, an experienced maritime engineer, who led the Maunsell/AECOM maritime engineering practice in Australia for decades, had been the ANZ national representative for PIANC’s international Maritime Commission (MarCom) since 2014.

As our region’s lead for MarCom, Peter was responsible for identifying and guiding experienced and emerging Australian and New Zealand leaders in the sector to take up their place within the global ports and maritime community, joining PIANC’s Working Groups to share their expertise with and learn from the world’s best.

At the time of his passing, Peter was involved in the setting up of MarCom Working Group 240 - ‘Guidance for Ports in Small Island Countries’. He was particularly passionate about this WG and had recommended a record number of ANZ participants, as concerns grow in our region about climate change impacts in the Pacific. Early on in his career, Peter had lived and worked for some years in Indonesia and Papua New Guinea and throughout his career had extensive experience in the Asia Pacific region.

To be part of a PIANC Working Group is an honour, a unique opportunity for global networking, and a great challenge. As most Working Group contributors are already busy and active professionals, the effort to make time for such an important task can be huge. As Peter himself said, the work of PIANC members is really a labour of love. Love for the work, for the maritime industry and for the common good. And he would know.

Peter had served on the PIANC ANZ Board from its inception in 1998. He was enthusiastic and committed to the PIANC mission of technical advancement and knowledge sharing, professional and astute in his decisions, a wise, softly spoken and supportive leader.
Generous as ever, Peter retired from the PIANC Board in May 2014 to allow an agreed upon refresh of the Board. This of course just started another important journey for Peter as the ANZ MarCom representative which, as fellow PIANC leader Neil Lawson says, “he pursued with his usual vigour and his astute wisdom of all things maritime.”

PIANC ANZ Chair Will Glamore noted, “Peter was a gentleman, a mentor and always generous with his time.” The word ‘gentleman’ is used again and again by friends and colleagues in tributes as his professional community seek to come to terms with their loss. AECOM paid tribute to Peter in the Sydney Morning Herald, “A wonderful colleague, a true gentleman, and a fantastic maritime engineer. Your legacy will live on in all the amazing projects you have worked on. From all your friends at Maunsell and AECOM who have had the pleasure of working with you over the years.”

For Peter Engelen, PIANC ANZ Mentoring Program coordinator, and NSW Ports General Manager Planning and Infrastructure, Peter was ‘a kind, soft spoken man, very personable. An example really for me, in how he was around people. Often a twinkle in his eyes. His fingerprints are over many port layouts across the country and region.”

Indeed they are. During his (paid) professional working life with the multinational infrastructure engineering company Maunsell/AECOM, (1984-2019), Peter was instrumental in the delivery of major port and marine projects in every state of Australia, involving container terminals, oil and gas facilities, coal terminals, general cargo wharfs, ferry and passenger terminals, residential maritime developments, coastal protection, and vessel studies.

In NSW, these major project developments included Port Botany Expansion, Sydney Harbour and Port Botany developments, major terminal facilities in Port Kembla inner and outer harbours, coal and steel related developments in Port of Newcastle, and marine and coastal projects in smaller ports.

Of course it wasn’t just local, it was global. Peter’s colleague at AECOM, Ben de Wit, recalled that Peter remained a focal point for delivering over 50 major port and marine projects globally, including in PNG, Philippines, Indonesia, Malaysia, Thailand, New Caledonia, India, Sri Lanka, Pakistan, Hong Kong, Vietnam, Dubai, Saudi Arabia, South Africa and Guinea.

It was a long way from Manchester, where Peter had graduated in 1970 with a Bachelor of Science in Civil Engineering. The following year saw him reach Perth in WA and from there, as a design maritime engineer at Rendel & Partners, to begin his glittering Australian and global career.

Although retired since 2019 from his long-term position as Industry Director – Ports & Maritime for AECOM, Peter remained active as a sought-after consultant, still doing his work for MarCom and involved as a mentor in our PIANC ANZ mentoring programme. His life was still about giving back.

Fellow PIANC Board member Associate Professor Ron Cox recalled how Peter was involved in regularly providing ideas for Honours and Masters student research topics at UNSW, always keen to nurture and guide talent. “I can only echo everyone’s fond memories and respect for Peter's lifelong contributions to the broader community as well as the coastal, ocean and maritime profession”, he said. “I cannot remember anyone ever having a harsh word about Peter.”

PIANC Board member Greg Britton, who worked closely with Peter in relation to PIANC’s International Commissions and selection of candidates for PIANC Working Groups recalled, "Peter had a stellar reputation in the maritime engineering industry, enormously respected for his experience and knowledge. More than that, over the many years I knew Peter, he was always humble, generous with his time, and willing to share his knowledge and guide others. His passing is a very sad loss.”

From your friends and colleagues at PIANC ANZ, we are grateful for your life and work with us Peter. Thank you for sharing your talents, expertise, wisdom, and kindness with us.

Mary O’Connell
PIANC Australia/New Zealand