OCTOBER 2019

PIANC-SMART RIVERS LYON 2019: 100 % SUCCESS!

For its 2019 edition, PIANC-SMART Rivers Lyon definitely stands out as the 'rendez-vous' for those who are involved in the future of navigation waterways and infrastructures.

Nowadays, everyone agrees that our industry is facing many challenges: energy and ecological transition, climate change adaptation, digital revolution, increased urbanisation and governance of those changes through social sciences are the hub of those transitions.

During four days, 400 members of our community exchanged around more than 200 presentations by technical sessions, special sessions (IAGF, Fleuves africains, Permanent Task Group University, Claude Gressier's memorial event), workshops and flash events that illustrates these themes.
Despite the high flow of scientific and technical information, a large platform was given to exchange times favourable for networking: breaks, social events and visits, including the impressive ‘Dîner de Gala’, held in the Salon Justin Godart de l'hôtel de ville in Lyon.

A comprehensive report on PIANC-SMART Rivers 2019 will be prepared soon. We invite you to visit the French Section’s webpage dedicated to PIANC-SMART Rivers 2019 to find the up-to-date links to reach the articles, slideshows, pictures and videos.

PIANC thanks all the speakers, chairmen, sponsors, exhibitors, attendees, contractors and all other actors for turning PIANC-SMART Rivers Lyon 2019 into an excellent ‘millésime’ (vintage year) and let’s meet in China for PIANC-SMART Rivers Nanjing in 2021, for which the agreement was signed during the closing ceremony in Lyon!

NEWS FROM EXCOM & COUNCIL

News from the ExCom

The third ExCom meeting of the year took place on 29 September 2019 in Lyon, France. PIANC President, Mr Esteban Lefler, opened the meeting by welcoming the ExCom members to Lyon and he informed the members on the received apologies.

As usual, the ExCom went through the Action Points, discussed the new Terms of Reference (ToR) for new Working Group reports and the Commission Chairs gave an overview of the status of their Working Groups.
Chair of the Permanent Task Group on Climate Change (PTG CC), Mrs Brooke, also joined the ExCom meeting to inform the ExCom on the ongoing activities of the PTG CC, Working with Nature (WwN) and Navigating a Changing Climate (NaCC).

Mrs Pahl, Chair of ProCom, gave an update on the September ProCom meeting, which focused mainly on the new PIANC promo material and she presented the new PIANC flyer, as a result of the ProCom brainstorm. Moreover, she also informed the ExCom members on the draft Code of Conduct, which was put together by ProCom.

Finally, Mr White, Chair of FinCom, reported on the FinCom meeting, which took place the day before the ExCom in Lyon.

The ExCom members also had a brainstorming session on the new Strategic Plan of PIANC and it discussed the way forward with regard to the target countries approach. The ExCom agreed that PIANC should not only focus on the countries on the CoCom list, but it is also important to assist existing National Sections and Qualifying Members who are facing problems and aren't functioning as they should.

The meeting also discussed the PIANC copyright policy and some changes to the PIANC Rules & Regulations.

Finally, the meeting focused on the recent and upcoming international activities and with regard to the PIANC De Paepe-Willems Award (DPWA) 2020, the ExCom agreed to appoint PIANC Vice-President Mr Lawson as the Chairman of the jury of this edition of the DPWA.

**News from the 82nd Council Meeting and National Sections’ Secretaries Meeting**

On 30 September 2019, PIANC President, Mr Esteban Lefler, welcomed the Council Delegates and PIANC Secretaries to the 82nd Council Meeting in Lyon, France.

The Council members approved the proposed changes by the ExCom to the PIANC Rules & Regulations and the members also had a brainstorming session on the target countries approach, as dealt with by the ExCom in its meeting the day before.

The Delegates & Secretaries also discussed the GDPR policy and the use of membership data, as well as the categorisation of the PIANC membership.

Several Delegates gave a nice presentation on PIANC’s recent and upcoming international activities:

- Mr Van Cappellen reported on the joint PIANC-CCNR-BMVI Workshop on Cybersecurity in Bonn on 5 September 2019
- Mr Esteban Lefler gave a brief presentation on the past NordPIANC Conference, which took place in Hirtshals, Denmark on 11-13 September 2019
- Mr White gave an update on the preparations of the AGA 2020 in Bristol, UK
- Mr Lawson presented the PIANC-Asia Pacific Conference (APAC) 2020, which will be held in Fremantle, Australia on 17-19 June 2020
- Mr Fariñas gave an update on the preparations of PIANC-COPEDEC 2020, which will be organised in Manila, the Philippines on 16-20 November 2020
At the end of the meeting, the Council members could listen to a presentation by Mr Khalili Vavsari on the activities of PIANC Iran and Mr Cédric Virciglio from HAROPA Ports (joint venture between the ‘grand port maritime du Havre’, the ‘grand port maritime de Rouen’ and the ‘port autonome de Paris’) gave a presentation on ‘Maritime and River Ports – Links and Integration’.

Presentation Mr Virciglio

NEWS FROM MARCOM

Kick-Off of PIANC Working Group 205 on Design and Construction of Breakwaters on Soft Seabeds

The kick-off meeting of PIANC Working Group 205 on ‘Design and Construction of Breakwaters on Soft Seabeds’ took place on 18 September 2019 at Deltares in the Netherlands. The objectives of this Working Group are to review existing technical information, literature, codes and standards to document case studies and to compile state-of-the-art technical documents.

The members of the Working Group represented 18 different organisations: universities, research institutes, consultants and contractors. In the beginning of the meeting, the Chairman of the Working Group, Professor Yoichi Watabe, gave an introductory speech and the participants introduced themselves. It was interesting to see a wide variety of experts among the members.

Dr. Hidenori Takahashi was elected as Secretary of the Working Group. After the introduction, the Working Group focused on the Terms of Reference to get a common understanding on the objectives and results and discussed the table of contents. The members set a goal to finalise the report in two years.

After the meeting, the members of WG 205 held a technical visit in Deltares, an independent institute for applied research in the field of water and subsurface, through the courtesy of Deltares. We saw a huge flume, Delta Flume, and sophisticated basins. The night ended with nice dishes and interesting discussions in a good restaurant in Delft.

Yoshiaki Higuchi
Mentor of WG 205
**InCom Working Group 125: RIS Kick-Off Meeting in Lyon, France**

The first Working Group 125 meeting took place on 30 September 2019 during the PIANC-SMART Rivers 2019 conference in Lyon, France. The goal of the kick-off meeting was to have an insight in the expertise and possible network on which to fallback to successfully elaborate the new guidelines for RIS (2019-2022). All members gave an introduction of themselves, including their experiences and professional career.

Since the new guidelines will focus on the integration of inland navigation within the supply chain, an overview of similar projects, initiatives, approaches, etc. in other transport modes were presented.

After all, the Working Group 125 needs to gain some high-level expertise on the other transport modes and future logistic concepts to see how Inland Navigation can fit in this global picture of synchromodality. This approach was discussed within the framework of the Working Programme, taking into account a vision until 2050. The Working Group will now start on writing version 2.0 of the RIS guidelines.

**Piet Creemers & Dierik Vermeir**  
InCom WG 125

**InCom Working Group 210 on Smart Shipping: Third Meeting in Lyon, France**

On 30 September 2019, PIANC InCom WG 210 on 'Smart Shipping' had its third meeting in Lyon, France. The meeting took place on board of 'Le Rhône', a vessel of Voies Navigables de France (VNF), and although the view on the waterside was amazing, the group worked through all the agenda points and had a very successful meeting. To come to an end report, seven steps were taken. This meeting focused on steps two until four: compiling a list of definitions on smart shipping to use throughout our research (2), analysing projects on smart shipping (3) and defining the right use cases (4) to prepare the impact analysis of smart ships on infrastructure (which would be step 5).

The members will now finalise steps 2 until 4 so that by the next meeting a first version of the impact analysis can be performed. The hard work was not only rewarded with a beautiful view but also with some good food close to Lyon beach!

**Ann-Sofie Pauwelyn**  
InCom WG 210
NEWS FROM RECCOM

PIANC RecCom Activities in the METSTRADE Show 2019 - 19-21 November 2019

The METSTRADE Show 2019 will take place in Amsterdam, the Netherlands on 19-21 November 2019.

In the framework of this show, and in close collaboration with RAI, RecCom has organised 3 major events:

- PIANC Short Course on Marina Design: Part I will be held on 19 November from 12.30 to 17.30, and Part II will take place on 20 November from 8.30 to 13.00.
- PIANC RecCom Working Group 217 Open Meeting about 'Marina Adaptations for Electric Propulsion Recreational Vessels' on 20 November from 14.00 to 16.00
- Presentation of the PIANC Marina Excellence Design 'Jack Nichol' Award, during the Waterfront Drinks networking event. The Waterfront Drinks is a networking opportunity for MYP exhibitors, PIANC course delegates, GMI attendees, IMG attendees and marina professionals invited by RAI: on 20 November from 16.30 to 18.00

Marina Design Short Course

Hosted by METSTRADE and Sponsored by Poralu Marine, this MDTP course will be held in the conference area of the Marina and Yard Pavilion of METSTRADE.

RecCom is reaching out to the broad community of marina professionals and partnering with the largest exhibitor of recreational marine equipment and its Marina and Yacht Pavilion (MYP). As of 30 October, the course has 17 registered participants from 4 continents and is sponsored by Poralu Marine.

This one-day course will focus on design fundamentals for marina owners, developers and operators, as well as new trends in marina design. RecCom presenters will also discuss how to use PIANC Working Group reports (both published and upcoming) to address common information needs by participants. In addition to the professional content, the schedule allows for opportunities for networking with members of all associations involved in MYP.

Instructors of this course will be active supporters of RecCom initiatives:

Esteban L. Biondi  Chairman, PIANC RecCom  Associate Principal, Applied Technology & Management (ATM)

Elio Ciralli  Past Chairman of PIANC RecCom (2009-2017)  CEO, Studio di Engegneria Civile e Costiera

Oscar Siches  RecCom Member - ICOMIA Representative  Marina Design and Operations Consultant

Claudio Fassardi  RecCom Member - Argentina Representative  Senior Principal Engineer, Jacobs

Working Group 217 Open Meeting

While this working group has not been set up yet, METSTRADE is a unique venue to promote the dialogue among electric propulsion systems, vessel designers, marina electric equipment suppliers and
marina designers. The show also hosts the E-nnovation Lab, where innovations in electric propulsion systems are presented.

**MEDA Award**

During the MYP networking Waterfront Drinks, the PIANC Marina Excellence Design *'Jack Nichol' Award* will be presented to the 2018-2019 winner. The award recognises excellence in the design of modern recreational boating facilities around the world.

More information, as well as the registration form for the Marina Design Course can be found at https://www.pianc.org/marina-design-training-program-in-metstrade-show-2019.

Esteban Biondi
Chairman of PIANC RecCom

**NEWS FROM ENVICOM**

**Boring! Also Fouling…and Smothering, Burrowing, Reef-Building…or in the Wrong Place!**

Invasive alien species are not just a biodiversity issue. These species can impact on navigation infrastructure, in some cases causing damage; in others restricting operations. There are also legal liability issues if port and waterway activities could potentially transfer such species from one location to another.

A new PIANC Working Group will start work in January 2020 to explore the implications of invasive alien species for waterborne transport infrastructure and operations, and develop guidance on how to minimise the associated risks. Case studies will be used to highlight the problems these species can cause, and to identify the measures available to prevent their introduction or deal with them if they have arrived.

The Working Group already has nine members from six countries, but other members are encouraged!

If you or a colleague are interested in joining the Working Group, please be sure to advise your PIANC National Section. If your country does not have a National Section, submit a CV along with confirmation of your PIANC membership and a brief statement explaining what expertise you believe you can bring to the Group to sabine.vandevelde@pianc.org at PIANC HQ, and Sabine will pass on your application to the Working Group Chair.

Jan Brooke
EnviCom

**NEWS FROM YP-COM**

PIANC UK Evening Seminar, 16 September 2019, London (UK)

In mid-September, six Young Professionals joined us in the ICE HQ in Westminster London to present at the annual PIANC YP Seminar series. An overview of the speakers and their presentations is as follows:

- **Andy Symonds (Port and Coastal Solutions)** presented on the analysis and challenges he experienced on his project to dredge in the Great Barrier Reef World Heritage area so as to avoid or reduce sedimentation of ports.
- **Matt Greaves (Royal HaskoningDHV)** presented on his experience working on the Teesport (UK) No. 1 Quay berth deepening and reconstruction project. Matt covered aspects including the structural monitoring, demolition of the 1960s post tensioned structure and reconstruction of a new suspended deck quay.
Siobhan Vaughan (Royal HaskoningDHV) and Tristan Banks (HOP Consulting) gave two presentations on the history and present maintenance campaign on the breakwater at Brighton Marina (UK). The Marina is formed of a series of cylindrical RC caissons and was constructed in the 1970s.

Graham Gatherwood (Beckett Rankine) spoke about the recent construction works at Wandsworth Pier, including the challenges encountered from feasibility, design and tender phases, through to construction.

Brocque Preece (AqualisBraemar) presented a number of case studies pertinent to mooring loads generated by passing vessels. Driven by bulk AIS data, Brocque discussed his take on establishing a realistic design scenario with regard to passing vessel speed, distance and design vessel particulars.

After the seminar, the audience and speakers (joined by the PIANC UK Chairman Greg Haigh) moved on to the Westminster Arms for a few pints and a catch-up.

PIANC YP Netherlands & Belgium Working Group Evening, September 2019, Delft (the Netherlands)

On 26 September, the yearly event hosted by Young PIANC took place: the Working Group Evening. As this evening is organised in Delft, this is an excellent opportunity for students to join and get to know PIANC. The evening started with a dinner in 'De Ruif' and continued afterwards with two presentations on WG's that published their reports last year:

- WG 166 - 'Inflatable Barriers in Hydraulic Engineering' (MarCom) by Peter Jansen (RWS)
- WG 159 - 'Renewables and Energy Efficiency for Maritime Ports' (EnviCom) by Alex Ruijs (RHDHV)

Both presentations were presented by YP’s, in which they shared their experience on being part of a WG. The presentations were very interesting, and vivid discussions arose with the audience. After the presentations and discussion there was plenty of time to enjoy some drinks and socialise.

PIANC YP Belgium & The Netherlands Site Visit Terneuzen, 17 October 2019, Terneuzen (the Netherlands)

On 17 October, the YP’s of Belgium and the Netherlands organised a site visit to the locks of Terneuzen. After a nice coffee and ‘Zeeuwse Bolus’, the morning programme kick-started with a seminar with insightful presentations from:
• **Eric Marteijn**, Project Director of VNSC New Lock Terneuzen: an introduction and explanation of the importance of intercultural awareness, even between two neighbouring countries speaking the same language.

• **Alex Vandemeulebroeke**, Realisation Manager of Sassevaart: on the design and construction challenges of the Terneuzen locks.

• **Jan Moskal**, 4-D planner of Sassevaart: on the use of 3-D and 4-D BIM.

• **Koen van Doorslaer**, Design manager coastal/dredging of Sassevaart and member of YP-Com Belgium: showing a nice drone movie on the project.

• **Peter van Parys**, Director Infrastructure of North Sea Ports.

• **Frank Serpentier**, Project manager at de Vlaamse Waterweg: insight on the planned development for the Canal Seine Nord connecting Ghent and Paris.

• **Corné van Ginneken** and **Manual Walgrave**, Pilots at Loodswezen from the Netherlands and Belgium: about piloting through canals and locks at Terneuzen.

After obtaining all the background knowledge, it was time to see the locks in real life. The afternoon programme consisted of two parts in splitted groups: a boat ride around the locks of Terneuzen and a walk on the site, guided by people working on the project. The construction site was very impressive, with a lot of activities occurring on one site.

Finally, the day ended with 'bitterballen' and Belgian beer, a perfect blend of Dutch and Belgian culture. The Dutch and Belgian YP’s are looking back at a perfect day with 120 attendees and looking forward to future collaborative events! We would like to thank the sponsors VNSC (Flemish & Dutch Government), Sassevaart (DEME, BAM & Van Laere), PIANC Belgium and PIANC Netherlands for making this event happen.
For all the international YP's who made the effort to travel to Terneuzen, another activity was organised on 18 October: a visit on the trailing suction hopper dredge (TSHD) from DEME, working on the maintenance dredging for the River Scheldt, the gateway to the Port of Antwerpen. First, Filip van der Wiele, Project manager at DEME and YP-Com Delegate for Belgium, gave a presentation on the project at the headoffice of DEME.

Then, the YP's geared up and launched the TSHD Pallieter while dredging and received a nice tour on board. The afternoon ended with a nice lunch after which everyone travelled back to their country. Some people even did a quick tour to the Eastern Scheldt storm surge barrier on the way back. It was an excellent day together with seven YP's from Argentina, Austria, Germany, Belgium and the Netherlands and a perfect way to meet international YP's. We would like to thank the international YP's very much for joining this event.

YP-Event during PIANC-SMART Rivers 2019, October 2019, Lyon (France)

22 Young Professionals joined the YP-event organised by the French YP's during the PIANC-SMART Rivers Conference held in Lyon, France, in October 2019. The event was attended by YP's from 10 countries.

Despite the rain, we enjoyed a cruise on VNF's vessel 'Le Rhône', a very nice way to discover the riverbank of Lyon and the Port of Lyon. We had a chance to visit the CNR navigation simulator with a guided tour. This innovative tool is designed for training both novice skippers and experienced skippers on how to navigate under the specific conditions of the Rhône. It is one of the best river simulation applications in Europe!
A very special thank you to CNR and VNF who welcomed us!

Laure Herbert
PIANC YP-Com France

XVI Technical Sessions of Young Professionals of ATPYC

The annual technical sessions of the Young Professionals of ATPYC took place in Mahón (Menorca) on 3-4 October 2019. Port of Mahón is one of the most incredible shipping enclaves in the Mediterranean, thanks to its unusual geographical characteristics, uniqueness and outstanding beauty.

The programme included 21 presentations on various topics, focused on port and coastal engineering: infrastructure, climate change, blue economy, use of drones and port services.

In addition, a technical tour was organised by the Baleares Port Authority. The event was attended by 80 professionals.

This encounter, celebrating this year the 16th edition, is consolidated as one of the most important meetings of the Young Professionals inside the maritime industry.

Ana Lope Carvajal
Secretary PIANC Spain

Vacancies for the YP-Commission
YP-Com recently made a call for candidates for several YP-Com leadership appointments to be made in 2020. Other upcoming appointments will include YP-Observer roles for ProCom, CoCom, FinCom, RecCom (Alternate), and PTG CC.

For now, we are seeking candidates for the following roles sent from PIANC headquarters to PIANC Members:

- Co-Chair (International) – to succeed Ms Eslie Vrolijk when she becomes YP-Com Chair in 2020
- Vice-Chair, Europe-Africa – successor to Mr Daan Jumelet in 2020
- Vice-Chair, Asia-Pacific – successor to Mr Tom Shand in 2020
- YP-Observer to ProCom (immediate appointment)
- YP-Observer to CoCom (immediate appointment)
- Alternate YP-Observer to RecCom (immediate appointment)
- YP-Observer to PTG CC (immediate appointment)

Please note that candidates should not have reached the age of 40 before starting their mandate.

In case you want to apply for any of these vacancies, we kindly ask you to contact your National Section or First Delegate of your country’s Qualifying Membership, with the YP-Com board and PIANC General Secretariat in copy (ypcom.secretary@gmail.com and sabine.vandevelde@pianc.org).

Anyone from a non-member country is still encouraged to apply for these roles (i.e. a country with no Qualifying Membership or National Section). In this case, please respond directly to us (with copy to the PIANC General Secretariat) with your CV and a formal letter of motivation to apply to the email address: ypcom.secretary@gmail.com.

Andy Thomas, Eslie Vrolijk & Rodrigo Moltó
Chair, Co-Chair & Secretary of PIANC YP-Com

NEWS FROM PTG CC

Good Data, Collaboration, Flexible Forward Planning, Maintenance and URGENCY!

These were the key messages from experts at the PIANC-SMART Rivers Conference Session 5-2 on climate change and extreme weather.

This session, organised by PIANC’s PTG CC, included presentations on climate change effects on navigable conditions on the Rhine (Frederik Vinke), dealing with climate change uncertainty when making infrastructure investment decisions (Laure Herbert) and an insight into the costs and consequences of extreme weather events (Jan Brooke). These presentations provided some ‘food for thought’ to inform a panel discussion.

The panel comprised the speakers plus guests from Port of Strasbourg (Emilie Gravier), viaDonau (Robert Toegel) and Rijkswaterstaat (Milou Wolters). Turi Fiorito, Secretary General of the European Federation of Inland Ports chaired the Panel discussion, the key outcomes of which are summarised below.

What are the climate change adaptation priorities for the inland sector? The panel’s responses highlighted:
• The importance of raising awareness; sharing responsibility; and collaborating on adaptation planning
• The urgency of these preparations: learn from the past and look to the future, but don’t wait
• The value of having the right sort of information in place, not only to use for making forecasts, but also to provide to the public
• The importance of keeping existing infrastructure in good shape; prioritising maintenance and undertaking incremental improvements
• The vital role of new, low-emissions, low-draft vessels, i.e. fit for the ‘new’ conditions
• The need to invest in other modes of transport (e.g. railways) to provide an alternative mode when needed.

How can the inland navigation sector justify investment in improved resilience?

• By developing a vision of the future role of the waterborne network to use to attract attention and generate political support; by setting waterborne transport in the context of the capacity and environmental impacts of other modes; and by taking a regional level approach
• By encouraging countries to include transport adaptation measures in their ‘Nationally Determined Contributions’ under the Paris Agreement
• By understanding and communicating the costs of inaction: these are potentially significant for the inland sector, not only in terms of short-term losses but also in the longer term if big companies lose confidence. The potential social consequences also need to be considered
• By making incremental and responsive investments in line with an agreed, monitored plan; by incorporating climate change considerations into infrastructure renewal
• By promoting an adaptive approach: flexibility makes it easier to cope with uncertainty
• By raising awareness and engaging in open and transparent discussions

Jan Brooke
Chair PIANC PTG CC

NEWS FROM THE PIANC COMMUNITY

Joint Workshop PIANC-CCNR-BMVI on Cybersecurity in Inland Navigation
On 5 September 2019, the first international workshop on cybersecurity in inland navigation was held in the Rhineland city of Bonn, under the auspices of the Central Commission for the Navigation of the Rhine (CCNR) and in partnership with the German Federal Ministry of Transport and Digital Infrastructure (BMVI) and the World Association for Waterborne Transport Infrastructure (PIANC). The eleven high-level presentations and two inspiring round tables clearly demonstrated to over 100 participants, from both public and private institutions and organisations, the need for all players in the waterway sector to address the complexity of challenges on the topic of cybersecurity in order to succeed in the digital transition of inland navigation.

The workshop was organised in the framework of the PIANC report of Task Group 204 of the same name (available for free on the PIANC website).

Click on the article above to open the full CCNR Press Release on this successful workshop.

NordPIANC 2019 in Hirtshals, Denmark – 11-13 September 2019

This year’s NordPIANC meeting was hosted by the Danish National Section. NordPIANC meetings are biennial events organised in turn by the Nordic sections of PIANC with the aim to exchange experiences from new and ongoing projects and research in the participating countries. The next NordPIANC meeting is planned to take place in Iceland in 2021.

A total of 76 participants met at the Port of Hirtshals on the evening of 11 September. Hirtshals is a major hub for transport between the European continent and the Scandinavian peninsula, in particular western Norway. The participants had the opportunity to arrive by airplane or ferry from the neighbouring countries. PIANC HQ also invited the Secretaries of the National Sections for an update meeting in the afternoon. In the evening, the participants gathered at the impressive North Sea Oceanarium for a welcome reception in front of the large aquarium with all sorts of marine animals.
On the following day, a technical session with 14 presentations, ranging from historical accounts of lighthouse equipment over weather standby considerations during marine construction to transport by autonomous vessels. The event sponsors had the opportunity to display their methodologies and news.

At the end of the day, the Port of Hirtshals invited the participants for a tour of the port area, starting by a brief visit to the local lighthouse, which offers a 360-degrees view of the port and the hinterland. The tour took us along the quays of the fishing port and the five modern ferry terminals, through the area with fish processing plants and the multi-modal terminal for transfer between the maritime and road and rail transport. The evening ended with a conference dinner at the Skaga Hotel.

Early morning on the third day, the group went by bus 150 km towards the Port of Hanstholm. We stopped briefly at the coastal village of Thorup Strand, which is one of the few active sites on the Danish coast with coastal fishery using traditional boats from the beach.

In Hanstholm, the main contractor, Aarsleff A/S, hosted a lunch at the restaurant overlooking the port. The consulting engineers presented the background and the design issues for the new western breakwater and the extended port facilities. We were blessed by ideal weather for the visit – clear sky and a moderate westerly storm.
Port of Hanstholm. The new breakwater extends further than 440 m with a 7,000-tonnes concrete caisson as breakwater head.

The participants got a first-hand impression of the challenges for port construction at this exposed site facing the North Sea when they went out on the construction site for the 440-m breakwater extension. Overtopping waves and spray prevented access to the breakwater head caisson. The breakwater is now partly finished with large Cubipods as main armour (up to 15-22 t blocks) and ready for placement of the capping layer in the spring of 2020.

NordPIANC visitors at Hanstholm new western breakwater in front of 22 t Cubipods

We also visited the new reclaimed area to the east where dredging works of the extended 9 m deep port basin is ongoing. The expansion consists of 130,000 m² reclamation and 500 m quay.

The CAT 6015B handles all armour blocks

Wet access to the new breakwater

The technical presentations of the meeting will be made available shortly on the PIANC website.
First Workshop on 'Environmental Sustainability and Port Management' at the Port of Huelva (8-9 October 2019)

The First Workshop on 'Environmental Sustainability and Port Management' was organised by the Port Authority of Huelva in collaboration with Puertos del Estado and the National Association of Ports and Coasts, with the outstanding presence of PIANC.

This conference was attended by 200 professionals from the port and environmental sector, different entities, organisations and administrations.

More than twenty speakers with recognised experience in the port and environmental sector at the national, European and international level attended the workshop: members from the Port Authority of Port of Rotterdam, CEDA and EnviCom, which was represented by its Chairman Todd Bridges.

During the workshop, topics of interest and future trends in environmental sustainability applied to port management were exposed:

- Current and future regulatory aspects
- Working with nature
- Environmental aspects linked to dredging, infrastructure, port operation, management of the Public Port Domain, etc.
- Technological developments applied to environmental management in ports
- The keys to integration and compatibility between conservation of ecological values and port development
- Improvement of environmental performance in the Port Community

1st PIANC-Cambodia Seminar in Phnom Penh on 24-25 October 2019

The Cambodian ports joined the PIANC family again in September 2018 and have been taking steps for:
- i) nominating Technical Committee representatives,
- ii) establishing a National Section in Cambodia,
- iii) inviting Individual and Corporate Members.

In this context, the first PIANC-Cambodia Seminar was organised on 24-25 October 2019 in Phnom Penh for disseminating the PIANC worldwide network and more than a century of expertise. Ninety-four experts in the area of port and inland waterway infrastructure development, operation and management, public administrations, navigation safety and environment control were represented during the event. Among the seminar topics were the development, operation and management of:
- i) inland waterway infrastructure,
- ii) deepwater seaports.

PIANC Vice-President, Mr Hiroshi Hayashida and Mr H.E. Eang Vensun from the Cambodian government delivered the opening addresses, which were followed by a general briefing on PIANC provided by the Secretary-General of the Association, Mr Geert Van Cappellen.
Professor Ligteringen of Delft University of Technology was invited as a keynote lecturer, and Mr Jean-Marc Deplaix, Mr Hem Ramrav and Mr Madoca Ikemach, as well as PIANC experts from Belgium, France and Japan also took the floor. Many Cambodian experts also gave presentations in terms of local technical and administrative topics.

The seminar is considered to encourage the Cambodian port community further to tackle its challenges by actively participating in PIANC activities.

Kenji Ono
PIANC Japan

PIANC-COPEDEC X 2020 – Call for Fellowships

PIANC-COPEDEC X will be organised in Manila, the Philippines on 16-20 November 2020.

The active mission of the PIANC-COPEDEC Conferences is to provide an international forum where coastal and port engineers from developing countries can exchange know-how and experience amongst themselves and with their colleagues from industrialised countries, as well as to enable the developing countries to have a sustainable human resource pool of coastal and port development professionals.

The overall theme for PIANC-COPEDEC X will be ‘Enhancing Waterborne Transport and Sustainable Coastal Development’. As with previous conferences, the emphasis on technical subjects remains. Papers will focus on practical applications, planning, management and environmental aspects of coastal, port and inland waterway engineering in developing and industrialised countries, including documentation of case studies.

Like in the former editions of PIANC-COPEDEC, the estimated sponsoring for fellowships reaches approximately US$ 158,000.00, considering 75 fellows for the Conference at US$ 2,000.00 and 40 fellows for the Short Courses at US$ 200.00 each.

I am contacting you and your organisation in this regard, hoping your budget allows to support PIANC-COPEDEC X. Detailed information on the programme can be found at https://www.pianc-copedec2020.org. For additional information on the budget please contact PIANC HQ at info@pianc.org.

May I kindly stress that we do not expect you to sponsor the full amount, of course, all contributions are welcome!

Please don’t hesitate to contact us in case you have additional questions! I thank you beforehand for your kind consideration and look forward to hearing from you soon.

Geert Van Cappellen
Secretary-General of PIANC
PIANC Australia and New Zealand cordially invite all PIANC members and colleagues, from around the world, to the inaugural PIANC Asia Pacific (APAC) Conference. APAC 2020 is being held in the vibrant city of Fremantle, Western Australia on 16-19 June 2020. It is the new biennial forum for all PIANC members from Asia Pacific and beyond.

Non-PIANC members are also welcome. This new conference series will focus on harbours, ports and recreational boating in the Asia Pacific region. Our 2020 Conference theme ‘Port, Harbour and Recreational Boating for Today and Tomorrow’ reflects the growing worldwide recognition to place the natural environment at the forefront of every project as well as a growing emphasis on a licence to operate.

PIANC APAC 2020 will bring together engineers, planners, scientists and researchers to focus on the technological, scientific, policy, planning and design issues related to our diverse and developing ports, harbours and recreational boating facilities.

During the Conference, PIANC APAC 2020 will incorporate concurrent streams facilitating the opportunity for discussion and networking. A trade exhibition will host the Welcome Reception as well as all morning tea, afternoon tea and lunch breaks. A Gala Conference Dinner is planned with multiple PIANC awards to be presented. In addition, technical tours and networking events will form part of the Conference.

We look forward to seeing you in Fremantle at PIANC APAC 2020. Register your interest online at http://www.PIANC2020.com.

About Fremantle, Western Australia

The port city of Fremantle is 25 minutes from Perth, the capital of Western Australia. It is bounded to the north and east by the lower reaches of the Swan River and to the west by the Indian Ocean with stunning stretches of beach to the north of the city and to the south.

Fremantle is a major port for Western Australia and Fremantle Harbour is the entrance point for the many container ships, cruise ships, ferries and leisure craft that berth at the port in the Inner Harbour. Smaller leisure craft and ferries travel the 20 kms up the Swan River to Perth.

The enclosed and sheltered Fishing Boat Harbour and Success Harbour protect the city’s working and recreational fleets and are within walking distance of the city centre. The Fishing Boat Harbour precinct also features boardwalks, cafes, restaurants and a brewery.

A series of islands lie off the coast of Fremantle including the famous holiday islands of Rottnest, Garden Island and Carnac Island.
NEWS FROM OUR PLATINUM PARTNERS

PIANC Platinum Partner ShibataFenderTeam participates at NordPIANC

The PIANC biennial Nordic event, NordPIANC, organised by the National Section of Denmark, took place in Hirtshals, Denmark, on 11-13 September 2019. The event fosters the sharing of experience and know-how between the different sectors of the maritime industry, and also provides networking opportunities for PIANC members of the Nordic countries.

ShibataFenderTeam (SFT), PIANC’s Platinum Partner, sponsored the event, which consisted of an interesting range of presentations and two site visits to Hanstholm and the port of Hirtshals.

SFT was presented by Mr Markus Bleher, Junior Sales Manager, being responsible at SFT for Northern Europe. Our abstract about the development of the port sector in the Nordic countries found favour with the organisers and we were invited to present this topic to more than 80 participants. The presentation discussed the development of the port of Esbjerg from a fishing port to a port hosting offshore vessels and the effect of their beltings on fender design. Several Nordic countries see an increase in LNG production and are faced with new requirements to the fender design due to lower hull pressure of vessels. Many cities experienced that ports move to the outskirts, mainly due to larger vessels and urban development of the cities. Taking into account these new developments, what should ports be aware of regarding fender design? We shared our thoughts which led us to the closing topic, a view on SFT’s holistic approach to fender design. A holistic approach means: fender systems are considered as one, all steps of fender design go hand in hand. The rubber unit is a crucial component of the system, but is only as good as the overall design of the system. The main engineering and design challenge is with the steel panels, chains and the corresponding anchorage. A fender system based on a holistic approach reduces maintenance, replacement and consequential cost at the terminal.

Participating at NordPIANC enabled us to share our holistic approach to fender design, which was well received by all of the participants. We have won many valuable contacts and enjoyed exchanging experiences with everybody.

We would like to thank PIANC Denmark for the great organisation and look forward to the next NordPIANC in 2021.

Anna-Lena Pahl
Marketing Manager ShibataFenderTeam

ShibataFenderTeam Supports ATPYC Young Professionals in Menorca

In early October 2019, the Spanish PIANC Young Professionals invited their members to a two-day technical conference, hosted in Menorca. As a PIANC Platinum Partner, but also as a Corporate Member of ATPYC in Spain, ShibataFenderTeam used the opportunity to once again closely engage with the successful future of the industry.

The event consisted of a two-day conference with technical presentations from different companies, creating a rich and informative program for the participants.

Sharing our knowledge with the participants representing all major companies and public entities related to the Maritime Sector in Spain was a very good reason to join and sponsor this event.

Our Sales Engineer, being responsible for the Spanish market, Mr Alvaro Rodero, participated on behalf of our Spanish office. His presentation circled around key aspects for the durability of fender systems, which are amongst others, a holistic approach to fender system design, high-quality raw materials and compounding as well as a manufacturing process by a highly skilled manufacturer.

Our activities with ATPYC in the Spanish market and our successfully installed fenders made ShibataFenderTeam the reference in fender engineering in Spain with a very good reputation. By attending and also sponsoring the YP-event in Menorca, we further built on our successful work in Spain.
It is always a pleasure to share our experience in fender design with the industry and to make this knowledge available to Young Professionals.

Anna-Lena Pahl
Marketing Manager ShibataFenderTeam

Trelleborg Talks Dredging Hose Specifications at Australasian Coasts and Ports 2019

Trelleborg’s marine and infrastructure operation attended Australasian Coasts and Ports, to deliver a presentation on the importance of robust dredging hose specifications. Research and Development Director, Mishra Kumar, took to the stage to detail the reasons why this issue is growing in importance.

In light of industry changes, which have seen an influx of low-cost suppliers who have gone on to become small manufacturers, Kumar explained the negative impacts this has had on hose performance. Today, the quality of hoses in the marketplace is coming into question and due to the absence of adequate product specifications, it is becoming increasingly more difficult to differentiate between a superior and an inferior hose.

Kumar, who spoke on 11 September 2019, shared valuable advice with delegates on how to specify dredging hoses to ensure quality and reliability. And in addition, how this insight can be used to develop stringent technical hose specifications, so that products not only meet client needs but also raise the industry bar.

Richard Hepworth, President of Trelleborg’s marine and infrastructure operation, said: “Product quality, performance and reliability are aspects that we give great consideration and importance to at Trelleborg. We believe that it is vital to keep driving the conversation about best practice, to create an industry which is safer, more sustainable and better regulated. We hugely value the opportunity to share our knowledge with likeminded professionals and decision makers at Australasian Coasts and Ports, organised by PIANC.”

Jaime Tng
Marketing Executive Trelleborg Marine Systems Asia Pte. Ltd.

PUBLICATIONS

Just Shipped

The following publications were published in September-October 2019:

- WG 175 (EnviCom): ‘A Practical Guide to Environmental Risk Management (ERM) for Navigation Infrastructure Projects’

Publications Pipeline

The following publications will be published in November 2019:

- WG 147 (RecCom): ‘Guidelines for a Better Integration of Recreational Navigation Activities within Fishing and Commercial Ports’
- WG 178 (EnviCom): ‘PIANC-PTG CC Working Group on Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’
CALL FOR MEMBERS NEW PIANC WORKING GROUPS

The following Terms of Reference (ToR) have been sent out in October 2019:

- InCom WG 219 - 'Guidelines for IW Infrastructure to Facilitate Tourism' - RELAUNCH!
- EnviCom WG 227 - 'A Guide for Assessing and Managing Environmental Restrictions on Dredging and Disposal Operations'

We kindly ask you that your National Section informs the secretariat of InCom (by 15 December 2019) and/or EnviCom (by 31 December 2019), as well as the General Secretariat about your candidacy (name, qualification and (email) address). Please enclose a brief curriculum vitae, together with some details about your professional experiences. An additional expert per country/organisation, being a young professional, can participate in the Working Group activities.

In case your country doesn't have a National Section, please contact the Commission Secretariats, as well as the General Secretariat directly:

- InCom Secretariat: Philippe Rigo (Chairman) & Jasna Muskatirovic (Secretary)
- EnviCom Secretariat: Todd Bridges (Chairman) & Edward Brauer (Secretary)
- PIANC General Secretariat: Sabine Van de Velde

We would like to remind you that Working Group Members should either be Individual Member of PIANC, working for a Corporate Member or Platinum Partner, be an invited expert or be a member of a Sister Organisation. In accordance with PIANC's rules, the costs incurred in taking part in Working Group activities are not borne by PIANC International.

ON THE CALENDAR

The International Maritime Transport and Logistics Conference (Marlog) 2020

The Marlog 9 Conference will take place in Alexandria, Egypt on 29-31 March 2020 with the overal theme 'Impacts of the Fourth Industrial Revolution on Port-City Integration' and will have PIANC on board as one of its scientific partners.

As World Ports Sustainability Program (WPSP) was launched in March 2018, the programme aims to demonstrate ports' contributions to the 17th Sustainable Development Goals of the United Nations. The programme empowers port communities to become involved with business, governmental and societal stakeholders to achieve sustainability for the local communities and wider regions. That is implemented through some major themes (Infrastructure, Climate and energy, Community Outreach, Port-City Dialogue, Safety and security, Governance and Ethics), all serves achieving the sustainable development of ports.

The Marlog 9 Conference focuses this year on Port-City Integration, and how it is affected by the 4IR. 'Port Cities' are becoming a great example in terms of progress, improvements and environmental development. With the optimum use of 4IR to better enhance economic activity, to involve social and businesses city issues, to seek environmental sustainability, and help port cities in coordinating all activities related to stakeholders involved in shipping, cargo traffic, it will eventually boost and regenerate a modern unconventional economic foundation and obtain an advanced pattern for port-city integration system.
Find out all there is to know about Marlog 9 at http://marlog.aast.edu.

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