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Sailing Ahead

FEBRUARY 2023

A Word by PIANC Secretary-General Geert Van Cappellen

You certainly have noticed that PIANC is once again booming with activity now that Covid is behind us. Not only do we have a full calendar of activities coming your way, also many interesting reports are in their final phase and will be published shortly. As a result, we have decided to increase the rate of our newsletters from bimonthly to monthly and we did some restructuring of the newsletter to improve readability.

We hope to bring you fresher news with the increased rate of publication and also it will allow us to alternate our focus between the various aspects of PIANC, such as the work of Commissions & Working Groups, our National Sections, Platinum Partners, Sister Organisations, reports, events and much more. Various calls for abstracts and papers are still open (PIANC-COPEDEC and PIANC Med Days) and very shortly we will be opening the call for abstracts for the 35th PIANC World Congress (27 February-2 March 2024) in Cape Town, South Africa, so stay tuned for more news!

Enjoy reading 'Sailing Ahead'!

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ON THE CALENDAR



PIANC

The World Association for Waterborne
Transport Infrastructure

PIANC Mediterranean Days

25 - 26 October 2023

& Ports of the Future

24 - 25 October 2023

In Sète (Occitanie, France)

You can find the complete call for abstracts on the French PIANC website at <http://aipcn.fr/>.
Submission of a 400-words abstract, to be sent to aipcn-france.dtecemf@cerema.fr until **15 March 2023**.

Submit your abstract before 15 March 2023 and register for the **5th edition of the PIANC Mediterranean Days**, which will take place on **25-26 October 2023** at **Port de Sète in France**.

The French Section of PIANC and CEREMA jointly organise the PIANC Med Days, as well as the 'Ports of the Future' meeting preceding the Med Days (24-26 October 2023).

The main objectives of the PIANC Med Days are to enhance the development of a common technical culture in the area of the Mediterranean Sea in the field of coastal and port engineering, taking into account the necessity of elaborating new strategies to face properly the new challenges of the global market, without neglecting environmental and social issues, in the light of sustainable development. Also, historical heritage and marine and coastal ecosystems assume a very significant value for Med Countries, so that a correct point of balance must be found with infrastructural needs.

A general increased awareness of common values and items of Med Countries can play a positive role in an integrated strategic approach in the above mentioned field.

The deadline for sending in abstracts is **15 March 2023**. They should be submitted to aipcn-france.dtecemf@cerema.fr. Other important dates, as well as more information on the conference can be found in the [conference brochure](#).

NEWS FROM THE PIANC WINTER MEETING WEEK

After 3 years of virtual meetings due to the Covid-19 pandemic, the yearly PIANC winter meetings could finally be organised physically again at PIANC Headquarters in Brussels, Belgium. From 30 January to 2 February 2023, many of the PIANC Commissions had an in-person (or hybrid) meeting and the ExCom also met *in full force* on 2 February, with the exception of PIANC Vice-President Nick Pansic, who attended the meeting online, and EnviCom Chair Todd Bridges, who was represented by Mr Edward Brauer (EnviCom Secretary) and Mr Burton Suedel (Candidate EnviCom Chair in succession of Mr Bridges).



The members of the ExCom meeting on 2 February 2023

L-R: Mr Burton Suedel, Mr Edward Brauer, Mr Bumgou Kang (Vice-President), Mr Jean-Marc Lacave (Vice-President), Mr Mitsuhiro Okada (Vice-President), Mr Esteban Biondi (RecCom Chair), Mr Sebastian Iglesias (YP-Com Chair), Mrs Anna-Lena Pahl (ProCom Chair), Mr Francisco Esteban Lefler (PIANC President), Mr Ian White (FinCom Chair), Mr Mohammadreza Allahyar (CoCom Co-Chair), Mr Geert Van Cappellen (PIANC Secretary-General), Mr Philippe Rigo (InCom Chair), Mr Egbert van der Wal (MarCom Chair) and Mr Nick Pansic (Vice-President) on the video screen!

Besides the ExCom, the members from FinCom, MarCom, EnviCom, RecCom, ProCom and YP-Com also got together for their yearly winter meeting. Some of the ProCom members also visited the different technical Commissions during their meeting in order to exchange ideas on how ProCom can be of assistance for the Commissions and vice versa, how Commissions can put forward good ideas to ProCom to enhance the visibility of the Commissions' Working Groups.



The ProCom meeting was well attended, both physically (L) and online (R)!

The different Commissions were able to have a good exchange of ideas and as the meetings were held in-person again, there was of course also time to discuss some more informal topics over a nice dinner in the evening!



L: MarCom meeting on 1-2 February 2023 - R: MarCom dinner

It was very nice seeing many of the Commission members again after such a long time and we are already looking forward to meeting many of you again during the AGA week in Oslo, Norway in May 2023!

PIANC HQ

NEWS FROM YP-COM

PIANC YP-Com Winter Meeting

On 31 January 2023, the 40th meeting of PIANC YP-Com was held in a hybrid format during the Winter meetings in Brussels, Belgium. The PIANC Winter Meetings in Brussels gave a great opportunity to the Europe-based members of the board to meet in person as well as connect with the colleagues of HQ and other PIANC Commissions. After four years of intense support, Virginia Sy stepped down from her role as Americas Vice-Chair supporter, therefore we were

happy that her replacement Rafael Tavares (Brazil/UK) could join the meeting in person.



In the morning we continued the intense Brainstorming Workshop we started with all regional Vice-Chairs & Supporters on defining the YP-Com Action plan. After a joint lunch with all PIANC Commissions and PIANC HQ, we had a chat with our President and Secretary on the major challenges to overcome these 'post-covid' and economically instable times, before continuing the Action Plan and scheduling this year's meetings. The PIANC Winter Meetings finished with the PIANC ExCom meeting, where Sebastian Iglesias participated as Chair of YP-Com.

To all YP's and potential observers/interested new comers, please note the following YP-Com meetings:

- 41st Delegates meeting – 28 April 2023 – 9:30 to 12:30 (physical/ hybrid, during BTV)
- 42nd Delegates meeting – 13 October 2023 – 13:00 to 15:00hrs (online)

Update on the YP-Com Biennial Technical Visit 2023 and 2025

In its meeting, YP-Com discussed the participation in the upcoming YP-Com BTV in Fort Lauderdale, USA. Besides the strong participation from YP-Com USA, we are aiming to have at least 15 YP-participants from all over the world. To make the participation even more attractive for the still indecisive, there will be also a half-day technical YP's presentation session on professional projects, as well as their work within PIANC WG. Furthermore, there will be the opportunity to participate in the Americas Conference for the keynote on Tuesday and the entire Thursday for a special one-day participation fee.

For more information about the event (including the technical YP's presentations), please have a look at <https://www.piancamerica2023.org> or contact [Matthew McCarty](#).

The second topic of the meeting was a call for volunteers to form a Local Organising Committee for the Next BTV. After Sydney, Panama, Singapore and the US, it is perhaps Europe's turn with some projects across national borders?! The YP-Board is open to any suggestions from YP's, National Sections and other members!

Anja Brüning
YP-Com Secretary

NEWS FROM ENVICOM

WG 227 – 'A Guide for the Decision-Making Process Relating to Environmental Windows & Seasonal Restrictions for Dredging and Navigation Infrastructure Works'

Chair: Rebecca Desrosiers (USA)
EnviCom Mentor: Daan Rijks (the Netherlands)

Environmental windows and seasonal restrictions are a common measure used to mitigate impacts of

navigation infrastructure construction and maintenance works. Defining these windows in a sound manner is a challenging but important part of the mitigation process and should be based on the local ecological, physical and social environment, type, intensity and frequency of the works and existing rules and regulations whilst taking into account the existing background situation. The objective of the WG is to provide a framework (i.e. a method or approach) which is accessible (easy to understand and apply) and robust (consistently yields the correct result) and which can be applied universally in cases where seasonal restrictions on navigation infrastructure works may be considered.

The framework provides guidance on how to define the intensity (what is possible) and the 'borders' (how long) the seasonal restrictions need to be implemented. In 2022, the WG held its two in-person Working Group meetings: one in June at Deltares in Delft, the Netherlands and one in December at HDR in Vancouver, BC. The group includes members from five continents, which is expected to result in a guidance document that includes a comprehensive summary of the best international practices and technical approaches.



EnviCom WG 227

During the meetings, spirited discussions were held regarding the purpose and need for environmental windows and seasonal restrictions, including the benefits and detriments of applying them. The group has taken several action items and will hold a third in-person working meeting in Wallingford, UK this coming March. An initial draft of the document is expected in late spring 2023.

Rebecca Desrosiers
PIANC WG 227

NEWS FROM PTG CC

Webinar on PIANC WG 218 on 7 February 2023

On 7 February 2023, PIANC HQ, the PIANC Permanent Task Group on Climate Change (PTG CC) and EnviCom delivered a PIANC webinar exploring the potential implications of invasive alien species for waterborne transport infrastructure and the increasing risks these species pose as the climate changes, for example, as water temperatures increase.

Members of EnviCom Working Group 218, together with two guest speakers, explained the different types of risk that the introduction and establishment of these non-native species can pose to ports and waterways, and explored how such risks can be managed. Invasive alien species can threaten operational viability, for example due to the smothering or fouling of infrastructure or equipment. They can also compromise infrastructure integrity, including through burrowing or boring. Furthermore, there may be liability risks if port and waterway operators fail to take measures to prevent the introduction or transfer of such species, including via construction projects and day-to-day activities such as lock operation or dredging. A variety of practical measures that can be taken to reduce these risks were also described.

The webinar attracted 104 attendees from 32 different countries.

The role of marine biosecurity planning in understanding the issue and identifying measures to reduce the risks of invasive alien species will be included in the forthcoming WG 218 report.



Watch the WG 218 webinar replay here!

News from EnviCom PTG 1 – the EU Water Framework Navigation Task Group

In June 2022, a European proposal for a new nature restoration law was published. This ambitious law would make it mandatory to restore, in stages, up to 90 % of a wide range of different habitat types by 2050 and to re-establish up to 100 % of lost habitats by the same date. In the meantime, deterioration in the condition of all such habitats will need to be prevented.

Depending on how it is implemented, such a new law could potentially have significant implications for many maintenance activities as well as for new navigation infrastructure development projects. To this end, PIANC has therefore worked with several PIANC sister associations as well as the other organisations on the Water Framework Directive Navigation Task Group (EnviCom PTG 1) to prepare a position paper.



This paper, which was published on 20 February 2023, explains the concerns of the sector, suggests some pragmatic solutions to help reduce potential delays, extra costs, etc. and seeks clarification on a number of currently unanswered questions. The position paper can be found [here](#).

Jan Brooke
EU WFD Navigation Task Group & PTG CC Chair

NEWS FROM MARCOM

PIANC Working Group 167 Set to Publish the Report on 'The Design of Terminals for RoRo and RoPax Vessels'

PIANC MarCom WG 167 report on 'The Design of Terminals for RoRo and RoPax Vessels' is now in the final stages of completion and will be published very soon this year. WG 167 was set up in 2014 with a particularly ambitious Terms of Reference (ToR) in order to update the advice offered in PIANC WG 11 - 'Port Facilities for Ferries', published in 1985. The WG has involved members from Germany, Finland, Spain, The Netherlands, Japan, the USA, Senegal, the United Kingdom and France.



*RoPax Terminal – Helsinki
(Photo by Steve Osborn)*

Aside from three retirements along the way, the WG is still largely intact. As can be seen, a major part of the experience of the group comes from Western European experience, but where possible information from wider international sources have been sought.

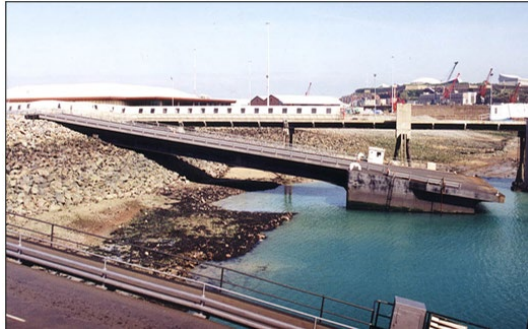
The subject matter to be covered by the ToR included “quays, ramps and access bridges for RoRo and passenger traffic, land installations including passenger facilities, areas for loading and unloading of vehicles, erosion due to propellers, impacts of future climate change, and technical design and safety and security requirements. Requirements for new terminals and for upgrading existing terminals should be considered”. This was an extremely broad remit.

The report will comprise twelve chapters, including:

- Introduction
- The Purpose of RoRo and RoPax
- Types of RoRo and RoPax Systems
- Ship and Berth Requirements
- Ship to Shore Vehicle and Passenger Access
- Terminal Planning
- Mechanical and Electrical Services
- Terminal Buildings
- The Port and City Interface
- Procurement and Implementation
- Management, Operation and Maintenance,
- Future Proofing RoRo and RoPax Terminals

RoRo means many different things to different users and this report explains the range of different RoRo operation types. Ship and berth requirements are addressed by considering the ships that serve the RoRo and RoPax trade, the route into berth and the particular needs for the berths with respect to accuracy of positioning and fender systems. RoRo and RoPax vessels often have very different requirements to other shipping.

The key to RoRo terminals are the ship to shore access facilities, namely linkspans (adjustable ramps that accommodate the different tidal ranges) and passenger boarding bridges (PBBs) or, in certain cases, specialist ship ramps. There are a wide range of options available that are described and explained, also highlighting the safety issues associated with large moving structures that need to support passengers and other users in a safe and reliable way.



*A linkspan and PBBs
(Photos by Steve Osborn)*

The report introduces the concept of the 'Marine Bridge' and 'Port Visit' type or RoRo trades. The 'Port Visit' type of trade is planned using normal port planning methodologies, but the 'Marine Bridge' type of trade is radically different, since the scenario is that the ship is completely loaded up at the start of the voyage and completely empties out at the end without any calls in between.

Furthermore, there is a very significant difference between the trade where vehicles are transported with their drivers and that of unaccompanied trailers, where terminal plant loads and off-loads trailers. The parking configurations require much more area for unaccompanied trailers than for accompanied freight and as a result it is critically important to identify the throughputs of the different types.

Sustainability and future proofing addresses a range of issues including:

- The effect of sea level change on the design of linkspans needing to a need to work out a strategy for modifying the designs in future rather than just making linkspans bigger.
- The comparatively modest dredging demands for RoRo and RoPax terminals.
- The possible future effects of autonomous vehicles on the design and throughput of RoRo terminals.

The above is only a 'snapshot' of the issues to be raised by PIANC WG 167 and we are sure that its publication will be a valuable addition to the knowledge base in the ports and maritime industry.

Michael Grace
MarCom

NEWS FROM OUR PLATINUM PARTNERS

PIANC's Platinum Partners are:



ShibataFenderTeam (SFT) Actively Participates at and Sponsors PIANC America 2023 Conference

Next April, from the 24th to the 28th, PIANC's US Section organises the PIANC America 2023 Conference under the theme 'Sustaining Ports, Waterways, and Marinas through a Changing Climate'. Open to the participation of countries from all over the Americas, the ShibataFenderTeam Group is proud to support it as a Silver Sponsor.

The conference will feature a full agenda of technical presentations by stakeholders from all over the region. On behalf of the SFT Group, Dominique Polte, Board Member, will present his paper titled 'How a Proper Design of Reliable Marine Fender Systems Ensures Smooth and Safe Operations at Ports, Waterways, and Marinas'. It addresses a critical issue for the marine industry and recommends the holistic approach for a reliable and durable fender design.

The conference represents a unique opportunity for the American navigation community to exchange thoughts and expert technical information. We wish all the participants a successful event.

As a long-time Platinum Partner, we at the ShibataFenderTeam Group are delighted to support the PIANC community around the world to drive the maritime industry forward.

Cristina Verde

Marketing Manager ShibataFenderTeam Spain SLU

PUBLICATIONS

Just Shipped

The following publication was published in December 2022:

- WG 235 (MarCom): 'Ship Dimensions and Data for Design of Marine Infrastructure'

Publications Pipeline

The following publications will be published in March/April 2023:

- WG 203 (InCom): 'Sustainable Inland Waterways - A Guide for Inland Waterway Managers on Social and Environmental Impacts'
- WG 200 (MarCom): 'Recommendations for the Design and Assessment of Single Point (SPM) and Multi Point Mooring (MPM) Facilities'
- WG 214 (EnviCom): 'Beneficial Use for Sustainable Waterborne Transport Infrastructure Projects'
- WG 148 (RecCom): 'Guidelines for Sustainable Recreational Navigation Infrastructure - A Guide for Applying Working with Nature to Recreational Navigation Infrastructure Projects'

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

<https://www.pianc.org/join-pianc>

PIANC WORKING GROUP VACANCIES

We want you on the PIANC team!

PIANC is looking for members who are willing to join the following newly created Working Groups:



PIANC
The World Association for Waterborne
Transport Infrastructure

NEW WORKING GROUP | VACANCY

RELAUNCH RecCom WG 149:
'Guidelines for Marina Design'

Interested in becoming a member of this WG?
Contact your National Section or PIANC HQ (info@pianc.org)
in case your country doesn't have a National Section



Download Terms of Reference
<https://bit.ly/3nd9Ch1>

www.pianc.org



PIANC
The World Association for Waterborne
Transport Infrastructure

NEW WORKING GROUP | VACANCY

RecCom WG 244:
**'Climate Change Adaptation Planning
for Marinas and Boat Harbours'**

Interested in becoming a member of this Working Group?
Contact PIANC HQ at info@pianc.org.



Download Terms of Reference
<https://bit.ly/3T7aGc>

www.pianc.org



PIANC
The World Association for Waterborne
Transport Infrastructure

NEW WORKING GROUP | VACANCY

RecCom WG 245:
**'Carbon Management for Marinas
and Boat Harbours'**

Interested in becoming a member of this Working Group?
Contact PIANC HQ at info@pianc.org.



Download Terms of Reference
<https://bit.ly/3XA5zcb>

www.pianc.org



PIANC
The World Association for Waterborne
Transport Infrastructure

NEW WORKING GROUP | VACANCY

RecCom WG 247:
'Floating Homes in Marinas'

Interested in becoming a member of this WG?
Contact your National Section or PIANC HQ (info@pianc.org)
in case your country doesn't have a National Section



Download Terms of Reference
<https://bit.ly/3Icah72>

www.pianc.org

The Terms of Reference of each Working Group can be found in the link in every image. Are you a PIANC member and would you like to join one of these Working Groups? Contact your [National Section](#) or contact [PIANC HQ](#) in case your country doesn't have a National Section!

ON THE CALENDAR

PIANC Tasmania Conference



The Tasmanian chapter of PIANC is proud to announce the PIANC Tasmania Conference on 20-22 March 2023 in Launceston, Tasmania. PIANC Tasmania is the first of a biennial forum focusing on the projects and experience from around the island state of Tasmania.

With 99 % of all imported and exported goods travelling by sea through our ports, associated infrastructure and supply chains, ports are vital for our prosperity. Hear and discuss an interesting programme concentrating on Tasmanian projects. Non-PIANC members are also welcome.

For more information on the conference, please visit <https://pianctasmania.com.au>.

PIANC UK Visit to the Port of Liverpool

On 10 March 2023, PIANC UK is planning a visit the Port of Liverpool, hosted by Peel Ports and co-promoted by ICE North West. The Port of Liverpool is one of the world's leading ports, with a deep-rooted history and an exciting future. With deep water berths, state-of-the-art facilities and future-proofed equipment, the port's strategic location on both sides of the River Mersey and the Manchester Ship Canal means that it's also one of the country's best connected.

Peel Ports are hosting the half-day seminar and site visit for PIANC UK's Committee members and Young Professionals and the event will include networking opportunities, technical presentations (from Peel Ports and external organisations), and a tour of the port.

PIANC Young Professional members can book [here](#).

Nigel Bodell
PIANC UK

PIANC America 2023 Conference & Biennial Technical Visit



PIANC USA is excited to host technical specialists in navigation, marine construction, dredging, and port operations in Fort Lauderdale, Florida from 24-27 April 2023 as part of its PIANC America event. The PIANC America Conference will be the first such gathering in the Western Hemisphere, with the theme of the conference being 'Sustaining Ports, Waterways, and Marinas in a Changing Climate'.

The conference will have some of the most influential keynote speakers in the industry, including PIANC President Francisco Esteban Lefler; Assistant Secretary of the Army for Civil Works and PIANC U.S. Delegation Chairman The Honorable Michael Conner; and Managing Director of Sealand - A Maersk Company Michael Britton. In addition to the conference itself, PIANC America offers two unique opportunities for additional learning and professional growth: a short course and technical visits.

The technical visits, part of PIANC's Biennial Technical Visit (BTV), are professional growth opportunities for PIANC Young Professionals (under 40). The PIANC America BTV will consist of a wide variety of activities including coral reef and snorkel tour, tour of Port Miami & Everglades, and tour of FJ3's brand new and state-of-the-art dry dock storage facility.

Register today at <https://www.piancamerica2023.org!>

Shimanta Barua

PIANC USA

PIANC-HTG Forum 2023: 'Integrated Project Delivery (IPD) - Where Do We Stand in 2023?'

On 19 April 2023, die Hafentechnische Gesellschaft (HTG - German Port Technology Association) and PIANC Germany will hold their first joint event: PIANC-HTG Forum 2023: 'Integrated Project Delivery (IPD) - Where Do We Stand in 2023?'

It is the first visible result of the cooperation agreement between the two organisations concluded in November 2022, in which, among other things, a closer exchange of information and the organisation of joint specialist events were agreed.

The 2-hour online event will include:

- an opening statement by the Hamburg Port Authority (HPA) on experiences with IPD projects
- a presentation from the PIANC Working Group 194 - 'Early Contractor Involvement'
- a presentation on the current status of IPD in Germany

The meeting will be held in German, the key aspects of the WG 194 report with feedback on the PIANC workshop of 6 October 2022 will be presented in English.

For further information, please click [here](#).

Gabriele Peschken
Secretary PIANC Germany

ICE Coasts, Marine, Structures and Breakwaters Conference

Join the ICE Coasts, Marine, Structures and Breakwaters 2023 Conference on 25-27 April 2023 at the Marriott Hotel in Portsmouth, UK – the pre-eminent international conference for the global marine and coastal engineering community.

The 2023 edition will cover the latest developments across maritime engineering topics from coasts to ports and waterfronts to breakwaters while focusing on the full spectrum of research and study, design, construction, and operations.

Given the heightened attention on the 'climate emergency', Breakwaters 2023 will place a big focus on how resilience and adaptability are being addressed by the maritime sector.

The two previous conferences both attracted over 400 delegates from more than 40 nations and showcased over 100 papers, while also including 'Spotlight on Innovation' presentations.

More information can be found at <https://www.ice.org.uk/events/conferences/breakwaters-2023/>. For registration, please click [here](#).

Mark your calendar for these upcoming PIANC events:

- **PIANC-America Conference 2023 | 24-27 April 2023 | Fort Lauderdale, USA | <https://www.piancamerica2023.org>**
- **PIANC AGA 2023 | 24-26 May 2023 | Oslo, Norway | All Delegates will receive all details soon!**
- **PIANC-COPEDEC X 2023 | 9-13 October 2023 | Manila, Philippines | <https://www.pianc-copedec2020.org/> | Abstracts are due by 10 March 2023!**

- **PIANC Mediterranean Days 2023 | 25-26 October 2023 | Port de Sète, France | <https://aipcn.fr/> | Abstracts are due by 15 March 2023!**
- **35th PIANC World Congress 2024 | 27 February-2 March 2024 | Cape Town, South Africa | Stay tuned for more information in the coming weeks!**



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