NATIONAL SECTIONS & QUALIFYING MEMBERS
|---|------------------------|-------------------------|-----------------------|-------------|------------------------|-----------------------|----------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|----------------------------------------|---------------------|---------------------|----------------------------------------|---------------------|---------------------|----------------------------------------|
1 PIANC Argentina in 2017

1.1 Authorities and Commission Members:

- First Delegate: Raúl S. ESCALANTE
- Secretary: Sebastián GARCÍA
- RecCom: Esteban BIONDI (Chair) & Cecilia NORMAN
- MarCom: Carlos GINÉS & Marcelo PEYREGNE
- InCom: Leonel TEMER
- YP-Com: Pablo AURRECCO (Chair), Marcos DE VINCENZI & Francisco WEYLAND

1.2 Participation in Working Groups:

- WG 178 – ‘Working Group on Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’: Matias GOYENECHE
- WG 185 – ‘Site Selection and Planning for New Ports and Specialist Marine Terminals on Greenfield Sites – Technical Guidelines’: Pablo AURRECCO
- WG 149 – ‘Guidelines for Marina Design’: Esteban BIONDI
- WG 181 – ‘Special Task Force on the State and Perspectives of Waterborne Transport Infrastructure Worldwide’: María ALEJANDRA GOMEZ PAZ
- WG 201 – ‘Development of a Proposal of Inland Waterway Classification for South America’: Raúl S. ESCALANTE
- Task Group PIANC/Universities Consortium (TG-PUC): Raúl S. ESCALANTE

1.3 Membership 2017:

Argentina’s National Section has increased compared to 2016. Currently, it has 74 members:

- 65 Individual Members (among them 35 YP’s)
- 9 Corporate Members

<table>
<thead>
<tr>
<th></th>
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1.4 Events

1.4.1 National and Regional Activities

Argentina’s National Section organised several activities during the year in collaboration with AADIP (Argentine Association of Port Engineers) and EGIP (Graduate School of Port Engineering – Buenos Aires University).

On 17 July, a meeting was held at the Faculty of Engineering – Buenos Aires University with the aim of exposing recent activities and informing upcoming events at a local level. Participants included members of PIANC Argentina and the Graduate School of Port Engineering from the same University.

The Young Professionals of PIANC Argentina toured Exolgan container terminal, located in Buenos Aires, on 18 August 2017. Exolgan is currently the largest container terminal in Argentina.

The technical visit was very well attended including participants from many related organisations, such as the students of the post-graduated specialisation on Port Engineering of the Buenos Aires University.
In collaboration with AADIP (Argentine Association of Port Engineers) and EGIP (Graduate School of Port Engineering – Buenos Aires University), on 12 and 13 September 2017, our National Section organised the course ‘Port Planning’, by H.J. Verhagen and P. Quist from the Technological University of Delft, the Netherlands. It was held at the Buenos Aires University. On 14 September, the open seminar ‘Quays of the Future’ was also scheduled: both professionals showed their presentations and answered questions from the audience.

PIANC Argentina’s Young Professionals organised a two-day Seminar and Technical visit to the Port of Santa Fe, Argentina on 29 and 30 September 2017. Santa Fe was the elected location for the yearly meeting, in the ‘Big Rivers’ region,

The participants also visited the liquid bulk Fuel Terminal operated by Shell CAPSA in Santa Fe and the Grain Terminal, operated by the Port Authority itself (EAPSF). On Saturday, the group visited the Port of Santa Fe Museum, and then shared a catamaran ride throughout the access channel of the port and the Parana River.
The YP national section, in conjunction with the Chilean Association of Ports and Coasts (ACHIPYC), organised the 3rd YP-Com South America and River Plate meeting, it was held in San Antonio, Chile, on 30 November and 1 December 2017. During the event, topics related to the port city relationship were discussed and featured the presentation of outstanding professionals on port issues from Argentina, Chile and Uruguay.

More than forty Young Professionals from different parts of Argentina, Chile and Uruguay attended this meeting.

3rd PIANC YP-Com River Plate meeting – San Antonio, Chile

1.4.2 International Activities

The Argentine Section participated in the following events:

- Pablo ARECCO participated in the YP-Com Meeting and Technical Visit, 1 February 2017, Brussels, Belgium.
- Several members of our National Section attended the PIANC-SMART Rivers Conference in Pittsburgh, USA.

Eng. Leonel Temer and Eng Pablo Arecco during the PIANC-SMART Rivers 2017 Conference Visit

- Raúl S. ESCALANTE attended the Council meeting held in September, at the PIANC-SMART Rivers Conference.
- Raúl S. ESCALANTE participated in the first PIANC-COPEDEC X IOC-LOC meeting that took place on Kish Island, Iran from 5 until 7 August 2017.
2 **PIANC Australia in 2017**

In 2017, PIANC Australia had an exciting year with significant member growth, the hosting of major events, the addition of member outreach services and exciting changes within the Board structure. Major outcomes of 2017 included:

- Hosting PIANC’s 2017 Annual General Assembly (AGA) in Cairns, Queensland
- Hosting the 6th Biennial Technical Visit (BTV) of PIANC’s Young Professional Commission in Sydney and Cairns, Australia
- Running workshops, networking events and sundowner socials across Australia and New Zealand
- Co-organising the 23rd Australasian Coastal and Ocean Engineering Conference and the 16th Australasian Port and Harbour Conference in Cairns, Queensland (immediately following the AGA/BTV)
- Launching our new website [https://PIANC.org.au](https://PIANC.org.au) to better communicate with members
- Transitioning the Board under new leadership and international roles
- Supporting the involvement (and attendance) of members on International Working Groups and on many PIANC Commissions
- Helping to foster YP-Com development and growth across Australia, New Zealand and the Asia-Pacific region

A brief summary of our achievements is provided below with more details provided in the following sections.

### 2.1 AGA/BTV

The biggest series of events for PIANC Australia occurred in June when the PIANC Australia Board hosted the International AGA and 6th BTV prior to the biennial Coasts and Ports Conference. These three events are the most important items on the PIANC Australia calendar and the Board worked tirelessly to ensure that they all were major successes. The AGA and BTV included over 150 PIANC delegates from across the globe and was the last major event for the outgoing PIANC International Secretary-General Louis van Schel. Importantly, our former Chairman Neil Lawson was also elected as a PIANC Vice-President, the first from Australia, at the AGA (more on Neil below). The Board would like to thank all volunteers and sponsors who gave their time and funds to support the successful AGA and BTV events.

### 2.2 Website Launch

In 2017, PIANC Australia was proud to announce the launch of a new website. The updated site ([https://PIANC.org.au](https://PIANC.org.au)) is designed to better connect with our members and ensures that our various activities are communicated across all platforms. The website also reflects the modern approach of the maritime and waterborne transport industry. Please take a moment to visit our new webpage and let us know your feedback.

### 2.3 Board Structure

After 19 impressive years as Chair, Mr Neil Lawson recently stepped down and has now been appointed as a Vice-President of PIANC. This is the first Vice-President appointment from Australia. Under the leadership and guidance of Neil, PIANC Australia has flourished and his dedication and commitment to PIANC is commendable. Neil remains committed to the success of PIANC Australia and will be an excellent representative as both International Vice-President and Treasurer (Australia).

In September 2017, Associate Professor Will Glamore was elected as Chair of PIANC Australia. Will is a De Paepe-Willems Award Winner (2008), the inaugural Chair of YP-Com Australia and YP-Com Co-Chair of Asia-Pacific. Will has been a PIANC Australia board member for the past 10 years. Will's welcome message can be found at: [https://pianc.org.au/pianc-news/welcome-message-new-pianc-chair-associate-professor-will-glamore/](https://pianc.org.au/pianc-news/welcome-message-new-pianc-chair-associate-professor-will-glamore/)
As Chair, Dr. Glamore is supported by a range of new board roles including:

- Greg BRITTON (Vice-Chair; RecCom Representative)
- Neil LAWSON (Treasurer; Vice-President PIANC International)
- Joel BAILEY (Secretary)
- Marika CALFAS (EnviCom Representative)
- Scott KEANE (Outreach Committee Representative)
- Michel DE VOS (New Zealand Committee Representative)
- Kate PANAYOTOU (YP-Com Board Representative)
- Jason SPROTT (International Working Group Representative)
- Richard HILL (Outreach Representative)
- Ron COX (CoCom/PTG CC Representative)

New and ongoing appointments include:

- Rodney HANCOCK (YP-Com Chair Australia/New Zealand)
- Tom SHAND (YP-Com Asia Pacific Vice-Chair)
- Chip POLEN (YP-Com Representative New Zealand)
- Peter FOUNTAIN (MarCom Representative)

In 2018, we look forward to announcing exciting new initiatives and to work with our members to provide improved services. We look forward to further contributing to International Commissions and Working Groups and note that several PIANC Australia members will be attending the 30th PIANC Congress in Panama.

### 2.4 PIANC Australia Membership

In 2017, the Board of PIANC Australia focused on providing excellent value to our members. Corporate membership is an ideal means to provide increased opportunities and remains a key focus moving forward.

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<tr>
<th></th>
<th>2012</th>
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*Table 1: PIANC Australia Membership*

We gratefully welcome all new members to the PIANC community and look forward to providing ongoing support to existing members. Our members come from across Australia and New Zealand. Our corporate membership increased significantly during 2017 due to individuals converting to corporate membership, our expansion to include our New Zealand colleagues, and the push for membership around the AGA and Coasts and Ports Conference in Cairns.

### 2.5 PIANC Australia Committees

The Board of PIANC Australia meets 4 times per year. Five committees report to the Board as follows:

- **Membership and Communications**
  
  (Chair – Richard HILL)

  The Membership and Communications Committee has been striving to provide improved value to members through a combination of increasing value for existing members and a focussed membership drive.

  A new recruitment strategy has been prepared which will be rolled out in 2018. This involves recruitment in Australia and New Zealand across all sectors active in the various business sectors. This is expected to result in a further increase in membership over the next 12 months.
Outreach (Scott Keane)

The Outreach Committee aims to organise events and activities for all members across Australia and New Zealand. The following major events were held during 2017.

- PIANC Australia AGM (Sydney)
- PIANC YP-Com Sundowners (Perth, Sydney, Cairns, Melbourne)
- Fender Workshop (Brisbane)
- PIANC International Annual General Assembly (Cairns)
- PIANC YP-Com 6th Biennial Technical Visit (Sydney and Cairns)

A brief description of the AGA and BTV events is provided below.

Young Professionals (Rodney Hancock, Tom Shand and William Glamore)

Australia’s Young Professional (YP) Committee is a vital part of PIANC’s future. In 2017, PIANC YP Australia moved into its fourth year. Overall, the YP-Com group aims to:

- Provide networking and mentoring forums for Young Professionals across Australia
- Promote and encourage Young Professionals to contribute to PIANC publications/WGs
- Play a key role in PIANC YP Asia
- Provide an opportunity for PIANC YP awards
- Liaise with PIANC’s YP International
- Organise meetings and promote knowledge transfer amongst Young Professionals in Australia and globally

There are currently over 100 registered Young Professionals in Australia, with YP membership continuing to grow strongly (increasing from 63 members in 2015).

A series of networking events were hosted by YP PIANC Australia in 2017, including events in Sydney, Cairns, Perth and Melbourne. Each of these events was very successful and well attended. Those who came along enjoyed the opportunity to network with other PIANC Young Professionals over a casual setting. The committee looks forward to hosting more PIANC YP networking events in 2018.

The major event for 2017 was the 6th Biennial Technical Visit (BTV), held on 15-21 June 2017. The 6th BTV was held in Sydney and Cairns, highlighting recent port and harbour developments and Australia’s unique marine environment. The event theme was ‘Working with Nature’. The 6th BTV coincided with PIANC’s Annual General Assembly and the 2017 Coasts and Ports Conference. The event was one of the largest gatherings of PIANC Young Professionals ever assembled and we would like to take this opportunity to thank PIANC Young Professional, presenters and delegates worldwide for their support for this exciting event. More details can be found at: [https://pianc.org.au/pianc-news/pianc-btv-2017-summary-report/](https://pianc.org.au/pianc-news/pianc-btv-2017-summary-report/).

International Working Groups (Jason Sprott)

The International Working Groups Committee oversees the nomination of Australian and New Zealand members to the International Working Groups. Australia/New Zealand has strong representation on the Working Groups with PIANC Australia and New Zealand members currently participating on many groups.

Since 2016, the PIANC Australia Board has provided part funding of travels costs for our members to attend overseas Working Group meetings. This was successful in 2017 and will be continued throughout 2018.

New Zealand Committee (Michel de Vos)

The New Zealand committee commenced operations following the appointment of Michel de Vos to the Board in June 2016.
New Zealand is an expanding part of PIANC Australia thanks to the efforts of Michel, YP-Com representatives and the New Zealand Port engineers.

Several exciting events were hosted in New Zealand throughout 2017 and additional events are planned for 2018. We thank all our existing and new New Zealand members for their efforts.

2.6 Board Members SPOTLIGHT: Annual General Assembly and Biennial Technical Visit (June 2017)

It was in September 2002 that PIANC Australia last hosted the PIANC Annual General Assembly at Darling Harbour, Sydney, immediately before the 30th PIANC Congress.

In 2017 we welcomed the PIANC AGA back to Australia. The event was hosted in the tropical city of Cairns, in the northeast of Australia. The event was co-organised with the 6th BTV (YP Biennial Technical Visit) in Sydney and Cairns.

While in Cairns, the AGA/BTV was held at the Hilton Hotel overlooking the harbour and marinas. The banquet dinner was held at the historic cruise ship terminal building in Cairns and an exciting field trip was held at the Outer Barrier Reef to inspect the Reef’s maritime super highway. Various aspects of Working with Nature were discussed throughout the event.

The successful events were attended by more than 150 participants from 5 continents. A special part of the event was recognising PIANC Secretary-General Louis Van Schel’s achievements with PIANC during the banquet dinner. The event was immediately followed by the 23rd Australasian Coastal and Ocean Engineering Conference and the 16th Australasian Port and Harbour Conference with over 300 participants, including many AGA/BTV participants, supporting the event.

We wish to thank everyone who supported the event including our sponsors and volunteers.

![Attendees at 6th BTV/AGA](image1.jpg)

**Figure 1: Attendees at 6th BTV/AGA**

<table>
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<th>Commission</th>
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<td><strong>EnviCom</strong></td>
<td>Marika Calfas, Alternate Ron Cox and member of PTG CC, Ports Australia Representative – David Anderson</td>
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<tr>
<td><strong>ProCom</strong></td>
<td>Neil Lawson</td>
</tr>
<tr>
<td><strong>CoCom</strong></td>
<td>Assoc. Prof. Ron Cox</td>
</tr>
<tr>
<td><strong>YPCom</strong></td>
<td>Rodney Hancock, Alternate Kate Panayotou, Tom Shand (YP-Com International)</td>
</tr>
<tr>
<td><strong>MarCom</strong></td>
<td>Peter Fountain, Alternate Scott Keane</td>
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<td><strong>FinCom</strong></td>
<td>Neil Lawson</td>
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</tbody>
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**Board Members of the Australian National Section**

(as at 31 Dec. 2017)

- Assoc. Prof Will Glamore – Chair
- Greg Britton – Deputy Chair
- Joel Bailey – Secretary
- Neil Lawson – Treasurer
- Marika Calfas
- Assoc. Prof. Ron Cox
- Richard Hill
- Scott Keane
- Kate Panayotou
- Jason Sprott
- Michel De Vos
3 PIANC Belgium in 2017

3.1 National Activities

The board gathered four times: in Brussels, Dinant and Namur.

The General Assembly took place on 17 March 2017 at the brand-new Antwerp Port House. About 72 members participated in the meeting. After the statutory part of the meeting there was a presentation of the ‘New Royers lock complex’, renovation project in the port of Antwerp. Further in the afternoon, a visit was made inside the new Harbour House itself, giving us at the mean time an overview of the future construction site of the adjacent Royers lock.

According to good Belgian tradition, there was a tasty lunch as well.

The traditional summer event was organised in Dinant on 29 September 2017. A relatively ‘late summer event’ during the five-yearly, three weeks long, ‘drying’ of the Meuse upstream Namur (Chomage du Haute Meuse à Dinant).
After some explanation about the different projects, we could visit the construction site and the lock and barrier works north of Dinant, including the installation of the micro energy power station under construction.

The summer event ended with a dinner.

Finally, on 17 November 2017 the 7th Regional Autumn Seminar of the ‘Service Public de Wallonie’ was organised in Namur by the Walloon Directorate General for Mobility and Waterways. The theme of this year’s seminar was ‘SPW Wallonie vers des voies d’eau 4.0’. The seminar gave us from various perspectives a view on the existing and future automatisation of the Walloon waterway system.

The programme and the presentations of all these activities can be found on the website of PIANC Belgium at www.pianc-aipcn.be.

3.2 Young Professional Activities

2017 offered a variety of interesting activities for the Belgian Young Professionals.

On 30 May 2017, the Belgian Young Professionals gathered in Ghent for a technical visit to the new quay wall of Arcelor Mittal Steelwork. This quay wall will offer extra berthing facilities along the Ghent-Terneuzen canal dock.

A second technical visit took place at the lock and barrier works on the river Dender in Lessines (Walloon area) and the adjacent lock and barrier in Geraardsbergen (Flemish area).

Beforehand, both works ahead were explained to the participants in the baroque chapel of the Notre Dame de la Rose (13th century), one of the oldest hospitals in Europe! A majestic and authentic architectural ensemble.
3.3 International Activities

The Belgian board and/or PIANC YPs participated in the AGA in Cairns on 17-20 June 2017, the 6th BTV in Sydney and Cairns (15-21 June 2017) and the PIANC-SMART Rivers 2017 Conference in Pittsburgh (18-21 June).

3.4 Facts and Figures

3.4.1 Membership 2017

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3.4.2 Board and General Assembly

The Board met on 17 January 2017 (Brussels), 29 May 2017 (Brussels), 29 September 2017 (Dinant), and 16 November 2017 (Namur). The General Assembly took place on 17 March 2017 at the Antwerp Port House.

Text by Ir. Herbert Smitz,
Webmaster and Commissioner; photos as mentioned
4 CCNR in 2017

The Central Commission for the Navigation of the Rhine (CCNR) is an international organisation that exercises an essential regulatory role in the navigation of the Rhine. It is active in the technical, legal, economic and environmental fields. In all its areas of action, its work is guided by the efficiency of transport on the Rhine, safety, social considerations, and respect for the environment. Many of the Central Commission’s activities now reach beyond the Rhine and are directly concerned with European navigable waterways more generally. The Central Commission works closely with the European Commission as well as with the other river commissions and international organisations.

4.1 CCNR Strategy

At its autumn plenary session on 7 December 2017, the CCNR approved strategic guidelines on which its future activities will be based. On the one hand, the guidelines confirmed the Mannheim Act and its underlying principles as a basis for the CCNR’s future activities. On the other hand, the guidelines demonstrate the CCNR’s intention to contribute its particular skills to a close collaboration with the EU and other international organisations in order to promote sustainable Rhine and European inland navigation. The environment in which the navigation of the Rhine and CCNR operate is subject to constant change. The navigation of the Rhine is increasingly integrated into the global economy. More than ever, political, legal, social and technical decisions affecting the navigation of the Rhine have a European dimension. The CCNR therefore sees the need to align its activities with strategic guidelines that take account of this change and the forces driving it.

The CCNR’s objective is economically, environmentally and socially sustainable navigation of the Rhine and further afield. As such, the CCNR will continue to support national, regional and global sustainability targets and initiatives, in particular by agreeing the Vision of emission-free inland vessels by 2050. The CCNR will continue to promote the advantages of inland navigation as a high-quality means of transport and support the shifting of traffic onto inland waterways, by using innovation and digitalisation to meet the new challenges confronting inland navigation. The CCNR intends to remain the authoritative centre of excellence and first port of call for all inland navigation issues, fully exploiting its expertise and wide-ranging wealth of experience in the process.

In the next few years, the CCNR will plan its work on the basis of the strategic guidelines that its delegations, assisted by the Secretariat and at the initiative of its President since September last year, have developed. It will align its future work programmes and relationships with EU institutions, in particular the European Commission, and other international organisations, with the guidelines.

4.2 Presidency of the CCNR

The autumn plenary session was the opportunity to emphasise a number of other highlights of the period 2016-2017 under Swiss presidency. Mr Reto Dürler, head of the Swiss delegation, particularly highlighted the stepping up of cooperation with the European Commission, in particular the drawing up of the harmonised technical requirements for inland navigation vessels with the adoption of the ES-TRIN 2015 and 2017 standards. The European Committee for drawing up Standards in the field of Inland Navigation (CESNI), established in 2015, has reached its cruising speed, also being involved in important work on the professional qualifications of navigation personnel. The recent progress in the market observation arena has also been applauded. 2016 also saw the publication of the interim report on ‘Vision 2018’, the CCNR roadmap for enhancing inland navigation and its sustainable development. Finally, the increasing importance of RIS applications also attracted attention, with the staging of a huge
online survey to evaluate the implementation of the obligation to fit an Inland AIS and an electronic chart display device and the holding of the 5th RIS workshop on 17 November 2017, which will inevitably influence the organisation’s future work. Germany will hold the presidency of the CCNR in 2018-2019. For Mr Achim Wehrmann, its head of delegation, consolidating cooperation with the EU will remain a priority, as will support for the CCNR’s traditional core tasks, all this consistent with the strategic document adopted in the plenary meeting. The 150th anniversary of the Mannheim Act, celebrated on 17 October 2018, will be the opportunity for a critical and constructive debate on the current relevance and development potential of this founding text. With the benefit of its experience and expertise, the CCNR will also maintain its prominent involvement in new technologies and innovation by means of real world regulations. 2018-2019 will also be the opportunity for the CCNR and its partners to take stock of the activities relating to the organisation’s ‘Vision 2018’ and to decide on a possible adjustment of its objectives, while taking account of the strategy document.

4.3 Ongoing Co-Operation with the European Union: Achievements and New Chapters

The CCNR reiterated its profound commitment to enhanced and sustained co-operation with the European Union. The CESNI is an exemplary and efficient model, enjoying broad-based participation by all participants at EU level. The CESNI boasts acknowledged know-how and expertise beyond the confines of the CCNR and EU, Serbia and Ukraine having acquired Observer State status in 2017. Following the adoption of the new standard on technical requirements for inland navigation vessels in 2017, in 2018 CESNI is preparing to adopt several sets of professional qualification standards which will be directly incorporated into the delegated acts of the new EU directive on the recognition of professional qualifications in the field of inland navigation, formally adopted at the EU Council on 4 December. Thanks to this very positive outcome, DG MOVE and CCNR will prepare the next stages of their partnership in the first half of 2018, in close consultation with all participants. Accordingly, next year CESNI will adopt a new work programme for 2019-2021.

4.3.1 European Standard Laying Down Technical Requirements for Inland Navigation vessels (ES-TRIN)

Developed within CESNI and in close co-operation with the shipping industry, ES-TRIN lays down the uniform technical requirements necessary to ensure the safety of inland waterway vessels. Available at this stage in 4 languages (German, English, French, Dutch), it includes provisions regarding shipbuilding, fitting out and equipment for inland waterway vessels, special provisions regarding specific categories of vessels such as passenger vessels, pushed convoys and container vessels, provisions regarding vessel identification, model of certificates and register, transitional provisions as well as instructions for the application of the technical standard.

In order to maintain the high level of safety in inland navigation and to follow the technical evolutions, CESNI intends to adopt a new edition of ES-TRIN every two years. In July 2017, CESNI adopted the last edition of ES-TRIN (2017/1). ES-TRIN is not binding per se. The Central Commission for the Navigation of the Rhine, the European Union, other international organisations or third countries can apply this standard by referring to it in their respective legal frameworks. The CCNR and EU intend to enact ES-TRIN 2017/1 in a coordinated way, with effect from 7 October 2018, by means of a reference in their respective legislative frameworks.

All editions of ES-TRIN are published on the CESNI website: www.cesni.eu.

4.3.2 Good Navigation Status

The European Union supports the objective of sustainable mobility. To this end it is promoting, inter alia, the development of a trans-European transport network. Article 15 para 3(b) of the Regulation on Union guidelines for the development of a trans-European transport network – TEN-V (EU no. 1315/2013) provides that Member States shall maintain rivers, canals and lakes, thus ensuring a good navigation status at all times, conditional on compliance with applicable environmental law.

In the estimation of the European Commission, Good Navigation Status comprises three building blocks, the so-called ‘hard components’, such as fairway channel dimensions, ‘soft components’, such as
waterway management (waterway maintenance, positioning of navigation signs, etc.), as well as the minimum standards for implementing Good Navigation Status.

The challenges facing the CCNR in the years ahead include continuing to work on the Good Navigation Status together with the European Commission and European Union Member States. In implementing the Regulation, the European Commission looks to the Rhine as an example of good practice for coordinating international waterway maintenance and management processes. To the extent they do not already exist, similar processes will have to be implemented for other European waterways.

![Image of Good Navigation Status Process](http://www.inlandnavigation.eu/what-we-do/good-navigation-status/)

4.4 Workshop on the River Information Services (RIS)

The CCNR staged the 5th RIS workshop in the Palais du Rhin in Strasbourg on 17 November 2017. The event provided an international and interactive platform for discussing the CCNR’s most important RIS activities of recent years, presenting other organisations’ work and experience in this field and expressing specialist groups’ and stakeholders’ expectations of RIS, with a view to feeding into the CCNR’s future work. Attended by representatives of the European Commission and other international organisations, the RIS workshop brought together 60 inland navigation participants from nine European countries, encompassing inland navigation companies, carriers, application developers, equipment manufacturers and installation firms, administrative authorities and inland ports. The participants
emphasised the positive influence of RIS on the safety and economic development of navigation, both on the Rhine and throughout Europe, and affirmed their willingness to act in concert.

The findings of the evaluation of the obligatory fitting and use of Inland AIS and electronic charts were presented during the workshop. The CCNR introduced the obligatory fitting of Inland AIS devices and electronic charts with effect from 1 December 2014. Two years after this decision was implemented, the CCNR conducted an online survey in order to gain a better understanding of users’ practical experience and any difficulties and to afford the individuals and companies affected by these requirements an opportunity to contribute their own proposed improvements. The survey enjoyed extraordinarily high participation. The most important survey findings were presented and commented on by experts, for example the repair timescales for defective devices, the quality of installation of the various devices as well as discrepancies between requirements and practice. The survey findings were published in full and analysed at the beginning of December 2017 so that conclusions and recommendations for the CCNR can be generated during 2018. This work will also involve expert circles. The experts also emphasised that Inland AIS and chart display systems in particular contribute significantly to safe navigation.

The workshop also recalled that the future development of RIS will increasingly be guided by the service provision concept in the context of e-Navigation, based on intermodality, data harmonisation and the reduction of administrative tasks. The development of digital data exchange platforms (Business-to-Business) was emphasised, which will connect land-based and inland navigation carriers as well as ports as an extension of the RIS terminals. These platforms are needed for automating data exchange between inland vessels and terminals and for integrating inland navigation with logistic chains. Data exchange requires close cooperation between the various players which, according to various participants, is not yet a given. The workshop participants also called for digitalisation of data and document exchange between inland navigation companies and administrations based on Business-to-Administration platforms. The discussions also broached the question of the digitisation of on-board documentation (paperless navigation), which depends on guaranteeing their authenticity. Finally, this workshop demonstrated that the protection of personal data, the harmonisation of applicable requirements and Internet security in general continue to be important concerns for expert circles and stakeholders alike.

All the presentations delivered during this workshop can be downloaded from the CCNR website: http://www.ccr-zkr.org/13020149-en.html.

4.5 Market Observation and Market Insights

The market observation and market insight are respectively annual and quarterly publications by the CCNR dealing with the European inland navigation market. Free of charge, these analyses of the economic situation aim to assist strategic decision making in this sector in Europe, by both the profession and firms as well as in terms of transport policy and within administrative authorities. The gathering and analysis of this data by the CCNR has been co-financed by the European Commission since 2005. This fruitful collaboration has enabled the CCNR to extend this activity, which historically it has been carrying on for almost two centuries, beyond the Rhine region to cover all Europe’s navigable waterways. The full reports can be downloaded in PDF format in English, French, German or Dutch from http://www.ccr-zkr.org/13020800-en.html or viewed directly online at: www.inland-navigation-market.org.

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5  PIANC Colombia in 2017

The Colombian chapter had a national ports congress last year (2-4 November 2017), with almost one hundred participants, two technical workshops in coastal erosion and dredging, all of it with total success. We counted with national and international experts as a speaker (see photos). We created 4 Commissions: InCom, MarCom, EnviCom and RecCom and we began to work a lot in marinas and dredging.

At this point, we have 17 members and we hope to increase the number of members to almost 50 by the end of this year.

In 2018 we will be represented at the AGA in Panama, as well as at the Americas meeting, we will have six workshops throughout the year (3 on coastal erosion and 3 on dredging) and we will attend the annual national assembly in November.
6 PIANC Finland in 2017

6.1 Membership

6.1.1 In 2017, the Finnish Section of PIANC Consisted of 50 Members, Among Which:

- 2 Honorary Members
- 1 Life Member
- 33 Individual Members
- 14 Corporate Members

6.1.2 First Delegate of Finland:

- Mr Risto LÅNG, Finnish Transport Agency

6.1.3 Board Members of the Finnish Section of PIANC in 2017:

- Mr Risto LÅNG (Chairman)
- Mr Veikko SAUKKONEN (Port of Helsinki)
- Mr Seppo VIRMALAINEN (Finnish Consulting Group Ltd.)
- Mr Jarno YLETYINEN (Terramare Ltd.)
- Mr Tero SIKIÖ (Secretary, Finnish Transport Agency)

6.1.4 Commission Members in 2017:

- InCom: Mr Tero SIKIÖ
- MarCom: Mr Seppo VIRTANEN, Mr Kim ANDERSSON-BERLIN (YP)
- EnviCom: Mr Olli HOLM
- RecCom: Mr Harri SANE
- ProCom: Mr Olli HOLM
- YP-Com: Mr Kim ANDERSSON-BERLIN

6.1.5 Honorary Members of PIANC Finland

- Mr Kimmo MANNOLA
- Mr Keijo KOSTIAJEN

6.2 Working Group Members of PIANC Finland

- WG 161 – ‘Interaction Between Offshore Wind Farms and Maritime Navigation’: Mr Jarkko HIRVELÄ
- WG 167 – ‘Design of Terminals for RoRo and RoPax Vessels’: Ms Satu AATRA
- WG 182 – ‘Underwater Acoustic Imaging of Waterborne Infrastructures’: Mr Kari POHJOLA
- WG 187 – ‘Protection of Undersea Pipelines and Cables in Navigable Areas’: Mr Jani KOIRANEN
- WG 194 – ‘A Framework for Early Contractor Involvement in Infrastructure Projects’: Mr Esa SIRKIÄ

6.3 AGA 2017 in Cairns

Finnish delegation in Cairns AGA:

- Mr Risto LÅNG
6.4 NordPIANC Meeting in Stockholm

The NordPIANC meeting was organised and hosted by the Swedish Section of PIANC in Stockholm on 26-28 September. The Finnish delegation consisted of 7 members. Finland gave 4 presentations in the meeting.

6.5 National Website

The Finnish Section of PIANC has reshaped and modified its national website. The new website (only in Finnish) is available at [www.pianc.fi](http://www.pianc.fi).

Risto Lång
First Delegate of PIANC Finland
7 La Section Française de l'AIPCN en 2017

7.1 Membres de la Section Française

La section française est constituée de 4 membres honoraires, 2 grands collectifs, 31 petits collectifs, 33 membres individuels, 9 membres à vie.

7.1.1 Le Bureau

- Président : Guillaume LE REVEILLE
- Vice-président : Geoffroy CAUDE
- Trésorier : Jacques PAUL, représentant FinCom
- Secrétaire : Fabrice DALY, également représentant InCom suppléant
- Premier délégué du gouvernement, vice-président : Paul SCHERRER, représentant EnviCom
- Secrétaire adjoint : Laurent LUCHEZ, CEREMA

7.1.2 Le Bureau Élargi

- Olivier PIET, représentant MarCom et ProCom
- Jean-Marc DEPLAIX, représentant RecCom
- Benoît DELEU, représentant InCom
- Laure HERBERT, représentante Jeunes Professionnels
- Guillaume CARPENTIER, Task Force Universitaire
- Jean CHAPON, membre à vie
- Claude GRESSIER, membre à vie

7.2 Participants Français aux Groupes de Travail de l'AIPCN

- Christophe MOIROUD, InCom 128
- Osanne PAIREAU, RecCom 148b
- Yvan CORDIER, InCom 154 (2017)
- Paul SCHERRER, EnviCom 176 (parution en 2018)
- Pierre-François DEMENET, MarCom 186
- Yves MASSON, InCom 189
- Laurent LUCHEZ et Cyrille CHAUSSAT, InCom 192
- Guillaume CAPDEVIELLE et Armeline DIMIER, EnviCom 195
- Romain BENVEGNU, InCom 197
- Olivier BERTRAND, InCom 198
- Samuel PINEAU, Pascal COLLET et Nabil BRAHIMI, InCom-Marcom 199
- Alain DE LA ROCHERE, Audrey CAHMI, MarCom 200
- Jean-Louis MATHURIN, PIANC-ECLAC 201
- Ala LIFRES, RecCom-ICOMIA 202
- Luc BAZERQUE, InCom 203
7.3 Les Evènements en France

7.3.1 L'AG et la Journée sur le Dimensionnement des Voies Navigables – WG 141

L’Assemblée Générale (AG) de la section française s’est déroulée le premier juin 2017 au siège de l'Union des Ports de France, à Paris.

La matinée a été consacrée au conseil d’administration, puis à l’AG, dont la présentation des rapports moraux et financiers.

L’après-midi s’est déroulé un échange technique autour du rapport du groupe InCom 141 sur les lignes directrices pour la conception de voies navigables intérieures, en présence du Professeur Söhngen, président du groupe, et sur l'utilisation et l'impact des préconisations du rapport dans les grands projets.

Environ 25 personnes ont participé à cet échange.

7.3.2 Le Workshop ESITC

La section française de l'AIPCN est partenaire du Workshop ‘Port Engineering and Maritime Works’ de l'école Supérieure d'Ingénieurs des Travaux de la Construction (ESITC), projets tutorés effectués en milieu multiculturel sur des périodes de minimum 4 semaines.

Cet atelier, animé en anglais, prend la forme de réponse à un appel d’offres grandeur nature. Il est associé à un projet de conception/réalisation appliquée et mené en équipes pluridisciplinaires encadrées par des professionnels et des enseignants spécialisés de l’école.

Durant 4 semaines, 60 étudiants internationaux (allemand, américain, anglais, bulgare, chinois, danois, espagnol, français, grec, hollandais, italien, iranien, letton, libérien, lituanien, mauritanien, norvégiens, polonais, suédois, uruguayen) ont travaillé en ‘mode projet’ et en équipe, dans le cadre du dispositif pédagogique original proposé par l’ESITC Caen.

Le 23 juin 2017, les candidats finalistes ont soumis le résultat de leurs travaux à un jury de professionnels.

7.3.3 La Réunion Marcom à Calais (Olivier Piet)

Le projet concerne la réalisation d'une dique de plus de 3 kilomètres, d'un bassin portuaire d'environ 90 hectares, l'aménagement de 65 hectares de terre-pleins dont 45 hectares gagnés sur la mer (photo) et la réalisation de 3 postes ferries.

7.3.4 La Journée Techniques ‘Portes Busquées’ – WG 154 (Fabrice Daly)

Le 6 novembre 2017 se tenait le ‘PIANC Workshop on Mitre Gate Design and Operation’ à Bruxelles.

La section française a profité de la venue d'intervenants internationaux, et de la proximité entre Bruxelles et Paris pour organiser également une journée technique en langue française, le lendemain à la maison de la Bretagne, à Paris.

La matinée était consacrée à la présentation du rapport InCom 154 – ‘Mitre Gate Design and Operation’, par des participants au groupe de travail dont son président (Eric Johnson, USACE), et l'après-midi à des échanges techniques sur la conception, les pathologies et la maintenance des portes busquées. Ces derniers se sont appuyés sur les présentations des évolutions techniques de ces dernières années, d'exemples concrets ainsi que des points de vue plus pratiques d'exploitants ou d'entreprises.

Environ 55 personnes, gestionnaires d'infrastructures (voies navigables et ports), bureaux d'étude et entreprises ont participé aux fructueux échanges.

*Intervention de Philippe Rigo, InCom Chairman*
7.4 La Participation aux Évènements Internationaux

7.4.1 AGA Cairns & Coasts and Ports Conference

Notre premier délégué Paul Scherrer a représenté la section française à l’AGA 2017 qui se tenait à Cairns Queensland Australie. Compte tenu de l’éloignement, il fut le seul représentant français. Un des points importants qui a été abordé lors de cette AGA est l’éventuelle révision du format des réunions statutaires de PIANC pour améliorer l’efficacité de notre organisation et faciliter la participation active de toutes les sections nationales.

Par ailleurs, Paul Scherrer a aussi été invité à la Conférence ‘Australasian Coasts and Ports 2017’, organisée par la section australienne de PIANC et l’« Institute of Professional Engineers New Zealand » au Convention Centre de Cairns. Cette conférence a réuni environ 420 participants et s’est déroulée en six séances parallèles agrémentées de quelques plénières.

Le thème général de la Conférence était ‘Working with Nature’ et Paul Scherrer, en tant que membre d’EnviCom, a fait une présentation en séance plénière sur ‘PIANC Working with Nature Initiative’.

7.4.2 Grands Évènements de PIANC en 2017

La section française a également participé aux grands évènements de PIANC en 2017 :

‘Moving Towards Low Carbon and Resilient Waterborne Transport Infrastructure’ et PIANC-SMART Rivers 2017 à Pittsburgh, avec une forte représentation française.

7.5 Jeunes Professionnels

Guillaume Carpentier passe le flambeau de l'animation de la section jeunes professionnels à Laure Herbert de Socotec.

Guillaume reste un acteur important de la section française, en particulier pour sa participation active aux workshops de l'ESITC et pour l'animation de la Task Force Universitaire.
8 PIANC India in 2017

The Indian National Section of PIANC is headed by the Joint Secretary (Ports) of the Ministry of Shipping of the Government of India. The Indian National Section consists of 1 large Corporate Member, 8 Small Corporate Members, 9 Individual Members, besides the Ministry of Shipping, Government of India being the Qualifying Member of the PIANC with the Joint Secretary (Ports) as First Delegate, representing India in the Council and the Annual General Assembly and other events.

8.1 Participation in the Executive Committee, Council Meetings and Annual General Assembly in 2017

The 77th Council Meeting held at PIANC HQ in Brussels on 3 February 2017 was attended by Mr Pravir Krishn, Joint Secretary (Ports).

Mr Barun Mitra, Joint Secretary (Ports), Mr H.N. Aswath and Mr Sandip Wadwa attended the Annual General Assembly on 17-19 June 2017 in Cairns, Australia.

8.2 Participation in Working Groups Seminars and Conferences

The Indian National Section has nominated several experts for the Working Groups and Technical Commissions of PIANC. Dr. R.D. Tripathi, Senior Scientist, Andaman, Lakshadweep Harbour Works, was nominated for PIANC EnviCom Working Group 136 on ‘Recommendation for Sustainable Maritime Navigation’ and he has participated in the meetings of this Working Group.

Mr B. Poiyaamozhi, Development Advisor (Ports), member of the Indian Section of PIANC and also member of the Maritime Commission (MarCom) of PIANC, has been taking part in the activities and meetings of MarCom.
9 PIANC Iran in 2017

9.1 PIANC Iran Composition:

9.1.1 Members

- 20 Individual Members
- 1 Small Corporate Member
- 4 Student Members

9.1.2 First Delegate of Iran:

Eng. Mohammadreza ALLAHYAR, Ports and Maritime Organization of Iran (Deputy Directorate for Engineering and Infrastructural Affairs Development)

9.1.3 Membership Status: 2011-2017

Graph 1: Membership Status 2011-2017

9.1.3.1 Iranian Delegates:

- Eng. Afshan KHALEGHI (Secretary)
- Dr. Babak BANIJAMALI (MarCom)
- Dr. Naser HAJIZADEH ZAKER (EnviCom)
- Eng. Reza SOHRABI GHOMI (YP-Com)
- Eng. Abdolkarim RAZAZAN (CoCom)
- Dr. Sahar MOKHTARI (ProCom)
- Eng. Reza SAFFARI (InCom)
- Eng. Mohammad HOSSEIN NEMATI (CoCom Alternate Member)
- Eng. Alireza SHAFIEEFAR (YP-Com Alternate Member)
- Mr Mohammad HOSSEININJAD (Secretariat Expert)

9.2 Working Group Activities:

9.2.1 Membership:

- Dr. Babak BANIJAMALI, PIANC Working Group n°178 – ‘Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’
- Eng. Kouros KAYHAN, PIANC Working Group n°197 – ‘Small Hydropower Plant in Waterways’

9.2.2 Accepted Proposal for Setting Up a New WG:

- Dr. Babak BANIJAMALI, PIANC Working Group n°205 – ‘Design and Construction of Breakwaters in soft Seabeds’
9.3 National and International Activities:

9.3.1 Participation in PIANC Meetings and Events:

- 77th Council Meeting and National Sections’ Secretaries Meeting, February 2017, Brussels, Belgium
- 6th Biennial Technical Visit of Young Professionals, June 2017, Sydney & Cairns, Australia
- Annual General Assembly, June 2017, Cairns, Australia

9.4 PIANC-COPEDEC 2020 – Kish Island, Iran: First IOC/LOC Meeting

The first IOC/LOC meeting for the 10th International Conference on Coastal and Ports Engineering in Developing Countries was held on 6-8 August 2017, in Kish Island, Iran with the participation of Mr Freddy Wens, Mr Louis Van Schel, Mr Mohammadreza Allahyar, Mr Geert Van Cappellen, Mr Raúl Escalante, Mr Hartmut Brühl, Mr Hector Estrella Miole and Mr Mohammad Hossein Nemati.

During this meeting, the clauses of the joint Memorandum of Understanding (MoU) on holding PIANC-COPEDEC 2020 and the 14th International Conference on Coasts, Ports and Marine Structures were discussed and it was confirmed that the 14th ICOPMAS and 10th PIANC-COPEDEC Conference will be held jointly in Kish Island on 8-12 November 2020 due to simultaneity.

At the end, the MoU was signed and sealed by the IOC and LOC Chairmen and the Secretary-General of PIANC.

Figure 2: First IOC/LOC Meeting, Signing PIANC-COPEDEC X, Kish Island, Iran (L-R: Mr Allahyar, Mr Wens, Mr Van Cappellen)

Figure 3: Kariz Underground City, Kish Island, Iran (L-R: Mr Allahyar, Mr Nemati, Mr Escalante, Mr Van Schel, Mr Wens, Mr Bruehl, Mr Van Capellen, Mr Esterilla Miole)

Figure 4: Launching PIANC-COPEDEC 2020 Website (http://pianc-copedec2020.pmo.ir/en/home)
9.5 National Section Meetings

9.5.1 Delegates Meeting:

The meeting of PIANC-Iran Delegates in 2017 was held on 12 November at the Ports and Maritime Organisation of Iran. This meeting was mainly focused on the technical and scientific importance of PIANC in the field of waterborne infrastructures and improving PIANC Iran's activities as the only National Section in the Middle East region.

A detailed report explaining the objectives and activities of PIANC Iran in 2017 was also presented and discussed.

![Figure 5: PIANC IRAN Delegates Meeting, Fall 2017](image)

9.5.2 Young Professionals Annual Meeting:

The first meeting of PIANC Iran’s Young Professionals in 2017 was held on 11 October at the Ports and Maritime Organisation of Iran.

During this meeting members shared their ideas, critics and suggestions for improving the performance of PIANC Iran and discussed different ways for motivating students to become a member of the Association. The action plan was confirmed as follows:

- Organising a technical visit for Iranian Young Professionals once a year
- Holding Workshops and Technical Courses in co-operation with universities
- Appointing each YP as representative of the Association in their universities in order to get other students acquainted with the Association
- Increasing co-operation and participation in annual events

![Figure 6: PIANC Iran YP-Com Meeting, Fall 2017](image) ![Figure 7: PIANC Iran YP-Com Meeting, Fall 2017](image)
9.6 34th PIANC World Congress

Iranian experts have planned to show a remarkable participation in the 34th PIANC World Congress, which will be held on 7-12 May 2018 in Megapolis Convention Centre, Panama City, Panama. The following 6 papers have been accepted:

- Z. HAJISALIMI: ‘Numerical Simulation For Prediction Of Oil Slick Spread In Persian Gulf’, Oral Presentation
- A. KHALEGHI, M. H. NEMATI, A. Pouya MEHR, M. H. MOEINI, S. HAMZEHLOO, M. JANDAGHI ALAEE: ‘Surface Wind Field Simulation Over the Persian Gulf’ (to be revised after modification)
- M. BAGHERI, M. ALLAHYAR, M. SHAFIEEFAR, M.H. NEMATI, A. GHESEMI, A. REZAE: ‘Surface Ocean Current in Makran Coasts of Gulf of Oman’ (to be revised after modification)

It is also notable that due to effective performance of the Iranian Delegates, Eng. Mohammadreza Allahyar was chosen as Scientific Committee member of PIANC World Congress 2018.

9.7 PIANC Iran booth at the 2nd International Exhibition of Transport, Road Construction, Road Maintenance and Related Industries, 17-19 December 2017

![Image of PIANC Iran Booth, Fall 2017, Tehran, Iran]

*Figure 8: PIANC Iran Booth, Fall 2017, Tehran, Iran*
9.8 Translations and Publications

Following the publishing of five technical reports in Persian, ‘Master Plans for the Development of Existing Ports’, ‘Harbour Approach Channels – Design Guidelines’ and ‘Initial Assessment of Environmental Effects of Navigation and Infrastructure Projects’ have also been translated and ‘Recommendations for the Design and Assessment of Marine Oil and Petrochemical Terminals’ is under its translation procedures. The reports will be published next year.

The aim is to introduce the Association to the scientists and experts working in the related fields of waterborne infrastructures in Iran.

9.9 Upcoming Events in 2018:

9.9.1 13th International Conference on Coasts, Ports and Marine Structures (ICOPMAS 2018)

The 13th International Conference on Coasts, Ports and Marine Structures (ICOPMAS 2018) will be organised on 26-28 November 2018 in Tehran, Iran by the Ports and Maritime Organisation of Iran, with the co-operation of the Secretariat of PIANC Iran and sponsorship of international organisations and associations, such as PIANC, UNESCO, IALA, IAPH, WMO, CASPCOM. The conference is aimed to emphasis on strengthening technical co-operation among countries.

Deadline for abstract submission is 22 May 2018.

For further information, please visit our website http://icopmas.pmo.ir/, which is available in 4 languages: English, Persian, Arabic and Russian.
9.9.2 Available Sponsorships for PIANC Members

It should also be mentioned that the Ports and Maritime Organisation of Iran and the Secretariat of PIANC Iran have considered some sponsorships (full and partial) for all participants and fees mentioned below, for PIANC members who are willing to attend ICOPMAS 2018:

- Registration and accommodation fee for authors whose papers have been accepted for oral presentation and up to 300 $ for their travel ticket.
- Registration and accommodation fee for authors whose papers have accepted for poster presentation.
- 50% of the registration fee for all PIANC members want to attend the conference.
- The number of grants for expenditures is limited and will only be allocated to the authors of accepted papers. The deadline for applying will be announced on the website.

Figure 10: Poster of ICOPMAS 2018
10 PIANC Japan in 2017

10.1 About PIANC Japan

- PIANC Japan was established in November 1977. The membership of PIANC Japan as of March 2017 is as follows: 120 Individual Members, 3 Life/Honorary Members, 52 Corporate Members and 2 Platinum Partners (Total: 177).
- The national delegation of PIANC Japan is headed by Mr Michio Kikuchi, Director General of Ports and Harbours Bureau, MLIT since July 2015.
- The planning committee of PIANC Japan, which deals with the activity's direction, is presided by Mr Naruaki Hisada (Director of International Policy Planning Office, Ports and Harbours Bureau, MLIT).
- The website of PIANC Japan is available in English at http://www.pianc-jp.org/en.

10.2 Activities of PIANC Japan

The activities of PIANC Japan in 2017 are listed below:

10.2.1 Attendance at Meetings

Attended at the 77th and 78th Council meetings on 3 February 2017 and 17 September 2017 in Brussels and Pittsburgh, respectively.

10.2.2 Participation in the AGA 2017

The delegates from Japan participated in the AGA 2017 on 18-19 June 2017 in Cairns, Australia. 9 persons from PIANC Japan attended this meeting.

10.2.3 Participation in PIANC-SMART Rivers 2017 and Short Course in Pittsburgh, USA

At the same occasion of the ExCom and the Council, PIANC-SMART Rivers was held in Pittsburgh, USA on 18-21 September in 2017. There were 2 participants from Japan, Mr Hayashida as Vice-
President of PIANC and Mr Tanemura from MLIT. Mr Fukami, who is the Japanese member of EnviCom, participated in the short course.

10.2.4 Participation in the PIANC Technical Commissions

PIANC Japan sent its members to the following Technical Commissions:

1) MarCom 31 January-1 February in Brussels, 11-12 September in Calais
2) EnviCom 17-18 September in Pittsburgh
3) RecCom 18 September in Pittsburgh
4) CoCom 1 February in Brussels
5) YP-Com 1 February in Brussels, 15-21 June in Cairns

10.2.5 Board Meeting, Annual General Assembly and Annual Report Meetings

The Board Meeting, Annual General Assembly and Annual Report Meetings of PIANC Japan were held on 3 July 2017 in Tokyo. The basic action plans of PIANC Japan were decided as below:

- Contribute to the activities of PIANC HQ through the active participation in the formulation of basic action plan of PIANC and others
- Contribute to PIANC technical activities with Japanese port technology and promotion of international exchange of technology through active participation in working group activities of PIANC HQ
- Extend financial support to members of PIANC Japan for contributing to the above actions
- Promote information exchange among the members of PIANC Japan
- Achieve organisational strengthening and enhancement of the activities of PIANC Japan
- Achieve organisational enhancement of the Young Professionals of PIANC Japan
- Increase the benefits for the members of PIANC Japan

10.2.6 Planning Committee

The planning committee was held on 3 June 2016 to discuss the action plans on:

1) the encouragement of active participation in PIANC WGs
2) the dissemination of PIANC activities in Asian countries
3) the provision of PIANC’s activities to Asian countries
4) the encouragement to apply for the DPWA

10.2.7 YP-Com Meeting of the Japanese Section

PIANC Japan’s Young Professionals made a technical visit to the Yanba Dam project with 16 participants. The dam’s construction in the Gunma Prefecture, Japan was planned for water supply and flood control. The dam rises 116 m and the reservoir’s gross capacity is 107.5 million cubic metres. The group was overwhelmed by its size, which, as dam construction decreases in Japan, is said to be the last large dam in Japan. The following day, the group convened to discuss forthcoming events and two new technologies; 3-D tsunami simulation using AI and construction methods for breakwaters.

Moreover, YP-Com Japan held a national meeting on 25 April in Tokyo and an international joint meeting with YP-Com Korea took place on 13 and 14 November in Seoul, Korea.

10.2.8 First Meeting for the AGA 2019 in Kobe, Japan

On 25 October 2017, the National Government of Japan, Kobe City, PIANC Japan and related organisations held their first meeting in Tokyo, chaired by Mr Michio Kikuchi, Director General of Port and Harbor Bureau, MLIT, for the preparation of the PIANC AGA 2019 in Kobe. Several other meetings will be take place in the coming years.

Hiroshi HORIKAWA
Secretary of PIANC Japan
11 PIANC Netherlands in 2017

At the beginning of 2018, the Dutch Section consisted of 176 members, among which:

![Membership Chart]

The Dutch Section organised two events in 2017 for its members and associates of PIANC Netherlands. The first event was held on 22 March and was organised around the theme of ‘Energy Transition and LNG in Shipping’. This event, organised by Shell, included three interesting presentations on different subjects around the theme and some social drinks afterwards. First the audience was introduced to the role that LNG can play in the future as a shipping fuel and where the shipping business stands today with this transition. The last speaker presented a project in Gibraltar, where a LNG terminal is under construction to further enhance the energy security of Gibraltar.

The second event was held on 2 November at Rijkswaterstaat Westraven. This afternoon symposium explored themes around innovation and R&D, under the title ‘Sailing Towards Tomorrow – PIANC’s Navigation Chart for R&D’, with the following question in mind: ‘Are we ready for the future?’. During this event, a former Secretary of State, Jacqueline Cramer, presented the influence and future of Circular Economy on harbours and waterways. A national weatherman and climate researcher, Peter Kuipers Munneke, gave some interesting insights on the consequences of climate change on the maritime industry. Finally, Henk van Laar, innovator within inland shipping, painted an image on how smart shipping may take place and how inland transport will develop in the near future.

During the event, there were several moments where attendants could discuss what research projects should start and whether we are ready for the future. This was done with an interactive mobile polling app, breakout sessions and pitches from actual research projects.
The Dutch Young Professionals organised a visit to MARIN including a tour to the basins and simulators. At this day MARIN explained how nautical safety can be achieved in an ever-changing environment and their role in this. The day was concluded with a barbecue in the town of Wageningen.

Andre van Lammeren left Rijkswaterstaat and therefore handed over his role as First Delegate and Chairman for PIANC Netherlands. Herma de Wilde was found as enthusiast successor for his role as Chairman. Milou Wolters take the role as Vice-Chairman as her term as Vice-President of ExCom ended earlier in 2017.

The Dutch Section had the honour of awarding a new Honorary Member within PIANC, Mr Han Ligtering. The nomination for the honorary membership was given by the Argentinian Section to show appreciation for his endless effort to motivate professionals in the Netherlands, Argentina, South Africa and many other places in the world. During the R&D event, Milou Wolters, a former student of Han, gave him a small present on behave of the Dutch Section. Han, we would like to thank you again for your tireless effort to promote PIANC in the Netherlands and abroad!

For more information, visit www.pianc.nl or send an email to sec-pianc@deltares.nl.
12 PIANC Norway in 2017

2017 was a good year for the Norwegian Section with lots of activities, both technical and social. Our events had a good turnout, and we are satisfied to experience the number of members is increasing. PIANC Norway has copied PIANC International, by introducing the exclusive Platinum Partnership. We are pleased to announce the first three partners: Port of Oslo, Port of Borg and Norconsult. Their financial contribution is essential for PIANC Norway to be able to produce relevant and high-quality courses and seminars.

12.1 AGA Cairns, Australia

Norway has an active technical community within PIANC, and an increasing number of members experience the benefit of taking part in international work. The interest to take part in Working Groups is increasing – and members see the ‘added value’ of networking and the exchange of experience in their daily professional job. Norway was represented by 5 delegates at the AGA in Cairns. Some of them combined the AGA with the Coast and Port Conference, subsequent to the AGA. Others again used the opportunity to see what Australia had to offer for tourists.

At the banquet, the Norwegian Section used the opportunity to appoint the retiring Secretary-General Louis van Schel with an honorary membership in PIANC Norway. The appointment was followed by good words and wishes for the future. On behalf of PIANC Norway (and the PIANC family as a whole), we expressed our gratitude and satisfaction for all the good work Louis has done in his long period as Secretary-General. A framed and signed proof of the honorary membership, together with a bottle of ‘Linje Aquavit’, was presented to Louis.
12.2 NordPIANC Stockholm

NordPIANC 2017 took place in Stockholm, Sweden in September. The Norwegian Section of PIANC congratulates Sweden for the successful conference and a record turnout. The technical presentations were of high quality. Most participants were quite active and followed up with questions and comments. The theoretical part was succeeded by two technical visits, and on the closing day, we all enjoyed a banquet dinner at sea in the Port of Stockholm. Sincere thanks to the Swedish Section for a very well performed conference.

![Picture 4: Technical visit to ‘Slussen’, Stockholm](image)

12.3 The Annual General Assembly of PIANC Norway

According to our tradition, the AGA of the Norwegian Section took place in Oslo on 23 November with the Port of Oslo hosting the event. In addition to the meeting, a ‘mini’ technical seminar was added to the programme. Topics as ‘Port Development in Urban Areas’, ‘The Change to a Green Future’, ‘Environmental Dredging’ and ‘Challenges to Reduce the Emission of Greenhouse Gases’ was on the agenda.

12.4 PIANC Norway – Young Professionals

The Norwegian YPs had another good year with activities and increased membership.

The Coastal Engineering Day, held on 27 April 2017, was a success and the event is rapidly becoming a well-established day on the calendar of young coastal engineers in Norway.
In March, YP-Com Norway organised a technical session with the theme ‘Environment and Safety’. There was a very good turnout at the event and many interesting presentations. A big thank you to the Norwegian Coastal Administration who gave us an excellent tour of their oil spill response unit.

The coming year will include events, such as the Coastal Engineering Day and a site visit to Kværner Verdal, where some of the largest steel substructures for the offshore wind industry are being produced. Thank you to all those who participated and were actively involved. Spread the word and let’s keep up the good work!
13 PIANC South Africa in 2017

Another tumultuous year has flown by – a year filled with trials and tribulations. Amidst this however, we have been blessed with fascinating work in the port and coastal sector. All of which has helped the industry players keep busy and out of trouble.

Many interesting projects are on the go and these have aided in contributing positively to the local, regional and national job markets. A few projects worth mentioning include the Refurbishment of Ship Repair Infrastructure across the port system, Admin Craft Basin in the Port of Ngqura, Rehabilitation of the Maydon Wharf Berths and Berth Deepening Projects in the Port of Durban. We have also been fortunate to see the successful completion of various port infrastructure projects, such as the Rehabilitation of port infrastructure in Port Nolloth as well as the Refurbishment of Quay walls in the Ports of East London and Saldanha Bay. This bodes well for the South African skills set and capacity to undertake the planning, design and execution of such complex port projects.

Water resilience remains a challenge for many parts of South Africa with the Western Cape being the hardest hit at the moment. Desalination initiatives are well underway to address such challenges and we look forward to its realisation.

The PIANC South African Section has had a good year with a reasonable amount of activity – safe to say with some exciting prospects in the future. So, here’s some news from our National Section.

13.1 National Section

Membership has not changed significantly from previously years and remains healthy. Presently, the National Section has 44 members as compared to 46 in the previous year. The YP’s account for almost a third of this membership list – an important sustainability achievement. Two Corporate Members are in the system. However, they are currently reconsidering this membership.

The National Section has strived to meet twice this year (March & September) with good attendance rates. This positive turnout has been aided by the use of technology (video conferencing facilities) to link different parts of the country for the meetings. This has helped tremendously in reducing travel time and costs to participate in the local PIANC discussions. These meetings continue to stimulate robust discussion with the following noteworthy points:

13.1.1 National Section Office Bearers

- First Delegate – Mr Dorian Bilse
- Treasurer – Dr. Andre van Tonder
- Vice-Chairman – Mr Keith Mackie
- Secretariat – Mr Magenthran Ruthenavelu
- YPF Representative – Mr Kishan Tulsi
- CESA Representative – Dr. Alan Wijnberg
- US Representative – Prof. Koos Schoonees
- Linkage to SAICE Railways and Harbours – Mr Keith Mackie and Mr Arie Burggraaf

13.1.2 Prospect of Hosting the PIANC World Congress in 2022

Support has been granted by the National Section for a ‘Letter of Invitation’ to be submitted to PIANC HQ for consideration. This has been positively received and a Local Organising Committee has been set up to take the initiative forward – WATCH THIS SPACE!

13.2 Young Professionals

The YP-group continues to grow in strength.

In June 2017, PIANC South Africa had a representation in the PIANC Annual General Assembly (AGA) and the YP-Com Biennial Technical Visit (BTV), which was held in Cairns, Australia. Mr Kishan Tulsi
YP Representative) attended the AGA/BTV on behalf of PIANC/YP South Africa. A presentation was given to the international PIANC delegates on the exciting activities over the past year.

To name a few events, Ms Divina Seetharam and the Durban PIANC YP colleagues organised a fender and mooring technical session which was proudly sponsored by Trelleborg. PIANC YP and SAICE Marine division hosted a technical site visit to view construction of the Strand seawall to mitigate storm surge affecting the Strand promenade in Somerset West, Cape Town.

Some of the other successful events in the past year, are highlighted below.

**13.3 Site Visit: Cape Town Spur Breakwater**

A PIANC YP-member, Ms Marli Geldenhuys, was the Resident Engineer on the Spur Breakwater Upgrade project for Transnet National Port Authority (TNPA). The project entails the rehabilitation of a critical section at the root of the Port of Cape Town Main Breakwater called the Spur. The breakwater also experienced a significant storm during the construction duration.

![Wave breaking on the Spur: before and after](Figure 1&2: Wave breaking on the Spur: before and after (Photos: Anton Holtzhausen))

Two site visits were arranged by the local SAICE-Marine branch and an invitation extended to PIANC South Africa members. This included a site visit to the precasting yard for the 25 t dolos units at Concrete Units in September 2017.

An additional site visit was arranged to the construction site in October. Approximately 40 members attended the visit. They were able to see the contractor dredge the trench from an offshore tug, hammer the trench rock with a 90-t crawler crane and place two 25-t dolos units.

![Breakwater site visit in October](Figure 3: Breakwater site visit in October (Photo: Marli Geldenhuys))
13.4 Upcoming Event for 2018

The YP’s are presently working towards hosting the 2018 Europe/Arica Technical Visit, to be held in conjunction with Stellenbosch University Coastal Engineering short course in October 2018, which will see local and international YP’s meet for the short course and technical tours around the beautiful Western Cape Peninsula.

13.5 Involvement of Members in Working Groups

Ms Marli Geldenhys (YP-member of WG 178) is still involved in WG 178 on climate adaptation in ports. She co-authored a presentation for COP 22 in Marrakech in December 2016 about the Working Group and the findings of the seminar held in Cape Town in 2016. Work has been ongoing on the compilation of the WG-report.

Ms Marisa Ackhurst is a member of WG 200 on Design and assessment of marine SPM and MPM facilities. This WG has recently been formed and she looks forward to contributing to the research.

13.6 Acknowledgements

The National Section owes much gratitude to Ms Annamarie Zeelie for her time and effort in supporting the local PIANC activities – thank you kindly!

Thank you to all of the sponsors and presenters through the year, your contributions are treasured and most appreciated.
14  PIANC Spain in 2017

14.1 TECHNICAL WORKSHOP: GEOTECHNICAL ASPECTS OF DREDGING (PRESENTATION OF PIANC WG 144)

Organised by Port Engineering Committee
8 February 2017. Puertos del Estado (Madrid)

The Spanish Section continues spreading the contents of several of the most relevant PIANC Technical Reports. In February, the 3rd Technical Workshop about PIANC WGs was held, in order to present WG 144. Four technical papers were presented covering several geotechnical aspects related to dredging process. Ninety people attended the event.

L-R.: Mr Francisco Esteban Lefler (President of PIANC Spain) and Mr Álvaro Rodríguez Dapena (Director of Puertos del Estado)

14.2 TECHNICAL WORKSHOP: ENVIRONMENTAL INNOVATION PROJECTS IN PORT AUTHORITIES

Organised by Environmental Committee (COTEMA)
27 April 2017. Puertos del Estado (Madrid)

Attended by fifty people. Technical papers and a final round table were presented trying to share experiences in environmental innovation projects in ports and coasts management, related to pollution, coastal regeneration, sustainability, financing, etc.

L-R.: Mr Francisco Esteban Lefler (President) and Mr Jorge Martín (Chairman of COTEMA)
14.3 Annual Assembly of the Spanish Section on 13 June

The Spanish Annual General Assembly took place at Puertos del Estado Headquarters in Madrid on 13 June 2017.

The most important points on the agenda were the following:

- Report 2016 on the activities of the National Section (President and Secretary)
- Annual fees for 2018
- Budget approval
- Report of activities of the Technical Committees
- Report of the activities of the YPs
- Strategic Plan 2014-2025
- Modesto Vigueras Award 2017 (for YP)
  - First place: ‘Methodology for the Design and Optimisation of the Drawers in Maritime infrastructure Life Cycle’ (Mr Manuel Ruiz Anton-Pacheco)
  - Second place: ‘Methodology for the Analysis, Diagnosis and Calculation of Maximum Tariffs of Port Services’ (Mr Antonio Gómez Gómez)
  - Third place: ‘Synergistic Implementation of Wave Energy’ (D. Javier Abánades Tercero)
14.4 TECHNICAL SESSIONS FOR YOUNG PROFESSIONALS OF ATPYC (PIANC SPAIN)

26-27 October 2017. Port of Tarragona

This edition of the conference was held at the ‘Teatret del Serrallo’, in collaboration with the Tarragona Port Authority.

The programme included 21 presentations on various topics, focused port and coastal engineering. In addition, a technical visit was organised by the Port Authority. The event was attended by 70 professionals.
14.5 AGREEMENT WITH SCIENTIFIC ASSOCIATION OF STRUCTURAL CONCRETE (ACHE)

On July 2017, the Spanish National Section signed an agreement with the Scientific Association of Structural Concrete (ACHE), in order to co-operate in common fields of interest. According to that document, the first Working Group with participants from both Association has been launched in late 2017, related to Seismic Design of Port Infrastructures.

Signing Agreement. L-R: Mr José Romo (President of ACHE) and Mr Francisco Esteban Lefler (President of PIANC SPAIN)

14.6 ORGANISATION OF THE VII NATIONAL CONGRESS AND 4th MEDITERRANEAN DAYS

Probably the most important effort of the Spanish National Section during this year has been focused on the first steps for the organisation of the seventh National Congress and fourth edition of the Mediterranean Days in Seville (October 2018).

The selection criteria for papers and presentations will be based on the degree of adaptation to the topics proposed, innovation and the exportability of the topic. However, papers that are not strictly subject to the proposed topics may be selected if they fit with the general objectives of the Congress.

Information and registration available are at www.atpyc2018.com.
15  PIANC Sweden in 2017

In 2017, the Swedish Section of PIANC consisted of 35 members, among which 26 were Individual Members and 9 were Corporate Members. The Section is relatively small but the number of members has increased during the last five years.

On 15 March 2017, the Swedish Section held its Annual Meeting. Following the tradition, the meeting was hosted by the Port of Gothenburg. After the formal Annual Meeting, Johan Eriksson from the Swedish Maritime Administration gave a very interesting presentation about the conclusions of the work in WG 161 relative to interaction between offshore wind farms and maritime navigation.

The Board of the Section held two meetings in 2016. The Board consisted of five members:

- Nikol Nielsen Gulis (Port of Gothenburg)
- Björn Forsman (SSPA)
- Marielle Svan (Secretary/Treasurer, Swedish Maritime Administration)
- Mattias Sandell (Port of Stockholm)
- Jon Granstedt (First Delegate and Head of the Swedish Section, Swedish Maritime Administration)

Anna-Karin Norling Jonsson from the Swedish Maritime Administration, assisted the Board with important administration.

In addition to participation in meetings within Working Groups, Commissions and the PIANC AGA, the Swedish Section focused its work on the preparations of the NordPianc Meeting in Stockholm (see the chapter following the Swedish report in this Yearbook), which took place in September.
In 2017, I, Jon Granstedt, left my job at the Swedish Maritime Administration, which also meant that I left the chairmanship of the Swedish Section of PIANC at the Annual Meeting 2017/18. I want to thank all fellow PIANC members that I have met during the years. You have given me so much knowledge, experience and good memories. I wish you all the best for the PIANC future!
The NordPIANC Meeting hosted by PIANC Sweden on 26-28 September 2017 gathered 59 participants from Finland, Sweden, Norway, Denmark, Iceland and Estonia. The President of PIANC, Mr Geoffroy Caude, and the Secretary-General of PIANC, Mr Geert Van Cappellen, also attended, representing the head office of PIANC. The meeting, which took place close to the Värta Ferry Terminal, was ushered in by the Deputy Director general of the Swedish Maritime Administration, Ove Eriksson.

The NordPIANC Meeting was focused on interesting technical presentations from the participating countries:

1. Presentation by Geoffroy Caude, President of PIANC
2. Design approach to method for steel sheet pile
3. Intelligent fairway – project
4. New cruise terminal on the Island of Gotland
5. Nya Arendal, field experiments, stabilisation and solidification method on dredged sediments
6. Stockholm Norvik Port
7. Värtahamnen – New ferry harbour in Stockholm
8. Finnish Transport Agency – Guidelines for the inspection of underwater engineering structures
9. Large-Scale Wave Propagation Modelling for the Norwegian Coast with REEF3D
10. Developing the Saimaa Canal
11. Alcoa Mosjøen – Harbor Remediation
12. Project Slussen – A unique, multifunctional and urban maritime engineering plant
13. Port Stormwater – Small-Scale Sediment Management Solutions
14. Optimising channel capacity and operability by using a state-of-the-art non-linear simulation framework
15. Adapting to climate change in small ports
16. Stad tunnel
17. Effect of Rubber Chemical Composition on Fender Performance Factors
18. Hydrodynamic Models – helping us understand the complex hydrodynamic circulation in harbour areas as a tool for urban planning
19. New locks in Södertälje canal

A tangible conclusion from the days was that several projects in the Nordic countries are now being launched to adapt coastal infrastructure to climate change. All presentations are available for downloading on PIANC’s website.
In addition to the actual session, a National Section’s Secretaries Meeting was arranged by the head office.

Technical tours were made to the Project Slussen, which is the City of Stockholm’s largest infrastructure project since the 1960s, and the Mälar Project, which has the purpose to improve accessibility and enhance safety in the Södertälje Canal and the fairways on the lake Mälaren.

![Serious gaming with professional referee direct from Estonia (Photo Mattias Sandell)](image)

The Swedish Section of PIANC would like to thank the participants for their contributions and the nice fellowship during the meeting! The next NordPIANC meeting will be held in Denmark in 2019.

![Group photo NordPIANC 2017 (Photo: kind but unknown person)](image)
17 PIANC UK in 2017

17.1 PIANC UK Committee Members in 2017

- Greg Haigh – Chairman
- Chris Frith – Vice-Chairman, Deputy Treasurer
- Peter Hunter – MarCom Representative
- Ian White – Government First Delegate, FinCom Chairman and Treasurer
- Jan Brooke – EnviCom Representative/PTG CC Representative
- Jim Stirling – InCom Representative
- Tim Beckett – RecCom Representative
- Christian de Meyer – ProCom Representative
- Andrew Wareing – YP-Com Representative

Tom McKay
Paul Datson
Howard Richings
John Lovell
Ian Gillespie
Stuart Byrne
David Middlemiss
John Berry
Ian Cruickshank
Tally Watson
Fran Littlewood
William Evans
Mark McBride
Borbala Trifunovics

Chris Boysons
David Byrne
Mike Thorn
Nigel Bodell
Christian De Meyer
Tim Beckett
Heather Armour
Laure Herbert
Steve Osborn
Graham Holland

17.2 UK Membership

- The membership of PIANC UK has decreased slightly over the past year. The current membership is as follows:
  - 175 Individual Members, comprising 1 Honorary, 4 Life, 40 YP and 130 Full Individual Members
  - 25 Corporate Members – 7 large, 18 small

17.3 Committee

The UK Committee met five times in the course of the year and continued its focus on representation on international Working Groups and educational events in the UK. The Committee continues to assess the appetite for events outside London and the southeast. Following the successful seminars and site visits in Cardiff in 2015 and Bristol in 2017, jointly with the ICE, (Hull in 2016 was less well attended), plans are being developed for a visit and seminar away from London in 2018, probably in either Dover or Liverpool.

During the last year, the membership of the UK Committee has changed. At the end of 2016, four candidates were elected to the Committee – Nigel Bodell, formerly of Dover Harbour Board, Mark McBride of HR Wallingford, Borbala Trifunovics of Arup and Will Evans of Constructex. They will serve for a period of four years from November 2016. Howard Ritchings, who retired from the RNLI during 2016, was co-opted; Tally Mairs who was co-opted to represent the RNLI has now left that organisation and resigned from the Committee. Michael Grace of the Port of Dover has been co-opted to the Committee and appointed as Deputy MarCom representative. Dr. Ed Rogers of Marico Marine UK was co-opted to the Committee during the year. Kate Panayatou, a member of the Board of PIANC in
Australia, has joined the Committee as an Observer. Eleanor Inglis of Volker Stevin has been representing the marine contractors on the Committee while John Lovell has been in the Falklands. Graham Holland retired from the Canal & River Trust during 2017 and has left the committee.

At the start of 2017, six members of the UK Committee were Young Professionals and over 20% of the Committee was female. At the Annual General Meeting in November 2017, three further members, all YPs, were elected to the Committee: Marta Mendizabal, Siobhan Vaughan and Marine Perret. Efforts to ensure that the UK Committee is more representative of the members and of the wider industry are bearing fruit. However, further representation from the ports would be welcome, as would a representative from the insurance industry. To this end, the Chairman was invited to address the annual conference of the London Engineering Group, an Association of insurers and reinsurers active in the ‘Engineering Market’.

17.4 PIANC UK Paper Competition

In order to maintain the UK’s historic record of submitting papers by YP’s from the UK to the international De Paepe-Willems Award, the Committee has established its own competition to run each year in advance of the international event. Two authors were awarded prizes in 2017:

- First Prize – Stephen Judge of Jacobs, ‘Seismic Design of Deep Combi-piled Quay Walls’
- Second Prize – Alan Roper of Ramboll, ‘British Antarctic Survey, Rothera Wharf Redevelopment’

17.5 International Engagement and Working Groups

PIANC International functions through its Commissions and the UK has representatives on all but one of them. Ian White chairs FinCom, Peter Hunter sits on MarCom, Jim Stirling on InCom, Jan Brooke on EnviCom, Tim Beckett on RecCom and Christian De Meyer on ProCom. Andrew Wareing, having completed a four-year term as YP Chairman, has left the committee and Heather Armour has been appointed to the role and sits on YP-Com. The involvement of PIANC UK with PIANC International and the Working Groups is principally co-ordinated through these individuals and it is worth recording the thanks on behalf of the entire UK Committee and the members, for their hard work over the last 12 months.

The core function of PIANC International is the production of its well respected technical reports by international Working Groups. Despite the relatively small size of PIANC UK, over 50 members from the UK are involved with these Working Groups, some of them as Working Group chairmen. The UK Committee is currently looking for UK representatives to join a number of MarCom and InCom Working Groups.

17.6 Seminars and Events

Five PIANC half-day or evening seminars, one lecture, one conference and two site visits were held during the year and these continue to be popular with members and guests as follows:

- June: Site Visit – Comprehensive tour of the port by The Bristol Port Company – Avonmouth
- June: Seminar – ‘Maritime Projects in the South West’ – at Arup’s office in Bristol
- September: Seminar – YP Evening Seminar – Multiple Short Project Presentations – London
- September: Site Visit: Dover Western Docks Regeneration Project – Dover
PIANC UK was represented by a delegation of three members at the PIANC Annual General Assembly in Cairns, Australia in June 2017. In addition to the normal AGA business, the opportunity to visit the Great Barrier Reef and understand the impact of Climate Change was organised by PIANC Australia.
18 PIANC USA in 2017

18.1 PIANC USA Leadership

The United States, a member of PIANC since 1902, is a very active section in terms of international involvement, as well as its domestic activities and partnerships. The United States National Commission constitutes the governing body of the U.S. Section.

In November, PIANC USA’s Deputy Secretary, Emily Vuxton, accepted a new position at the Coalition to Restore Coastal Louisiana as its Policy Director. Rachel Grandpre, United States Army Corps of Engineers (USACE) Institute for Water Resources (IWR), will be filling her role as PIANC USA’s Deputy Secretary.

The 2017 Leadership consisted of:

- Chair, The Honourable Jo-Ellen Darcy, Assistant Secretary of the Army for Civil Works (retired 20 January 2017)
- President, Major General Donald E. ‘Ed’ Jackson, U.S. Army Corps of Engineers’ Deputy Commanding General for Civil and Emergency Operations
- Secretary, Ms Anne Cann, U.S. Army Corps of Engineers

Other members of the U. S. National Commission included:

- Commissioner Nicholas Pansic, Vice-President, Stantec
- Commissioner Helen A. Brohl, Executive Director, Committee on the Marine Transportation System
- Commissioner Edward Schmeltz, P.E., Senior Vice-President, AECOM
- Commissioner Michael Leone, Retired, Director of MassPort
- Commissioner Jessica McIntyre, Project Engineer, Moffatt & Nichol
- Commissioner James Marino, President, Taylor Engineering, Inc.
- Commissioner Lillian Almodovar, Retired, US Army Corps of Engineers
- Commissioner Ron Coles, Principal, W. R. Coles and Associates

18.2 PIANC Recognises Ms. Jo-Ellen Darcy for Her Service to PIANC at January Commissioners Meeting

The 96th Annual Meeting of the Transportation Research Board was held on 8-12 January in Washington, DC at the Walter E. Washington Convention Center. In conjunction with this meeting, PIANC USA held a Commissioners Meeting and a PIANC-SMART Rivers Organising Committee Meeting.
At the PIANC Commissioners Meeting, Assistant Secretary of the Army for Civil Works, Ms Jo-Ellen Darcy was honoured for her 7+ years of service to PIANC and her retirement from her position as the ASA-CW with a Silver PIANC Medallion. MG Donald E. Jackson also inducted her as a PIANC USA Fellow in recognition of her outstanding contributions to PIANC. The grade of Fellow recognises unusual distinction in the Association and is conferred by the National Commission upon a person with an extraordinary record of contributions to the mission of PIANC. PIANC Fellows are entitled to a lifetime membership, including all the rights and privileges of the Association.

Ms Darcy as a PIANC USA Fellow in January 2017 at her last meeting

Ms Darcy served as the First Delegate and Chairperson of PIANC USA from her appointment to the ASA-CW position in August of 2009 to January of 2017, more than seven years. She was the longest-serving PIANC USA Chairperson, and avidly championed PIANC for this entire time. She led the U.S. Delegation at the 2010 World Congress in Liverpool, UK, the 2012 Annual General Assembly (AGA) in Valencia, Spain, the 2013 AGA in Marseille, France, the 2014 World Congress in San Francisco, CA, the 2015 AGA in Porto, Portugal, and the 2016 AGA in Bruges, Belgium. Record flooding in the spring of 2011, and her consequent domestic responsibilities, precluded her travel to the 2011 AGA in Berlin, Germany, but she was there ‘virtually’ for the first-ever PIANC Presidential Election. In addition to her steadfast support and participation at the PIANC Annual meetings, Commissioner Meetings, Council Meetings, and Technical Conferences, she spoke at a PIANC Event at the 2012 World Water Forum in Marseille, France, and has taken advantage of every opportunity at her disposal to promote and raise the profile of PIANC, both in the U.S. and around the world.

18.3 Technical Working Groups

The following Technical Working Group reports were published in 2017:

- InCom WG 156 – ‘E-Navigation for Inland Waterways’ (Representatives: Brian Tetreault, USACE; and Rich Lockwood, USACE)
- RecCom WG 149/Part IV – ‘Guidelines for Marina Design’ (Representatives: Wally Mosher, Terrence Browne, Tim Mason)
- InCom WG 154 – ‘Mitre Gate Design and Operation’ (Representatives: Fred Joers – Chair, USACE; John Clarkson, USACE; Thomas Hood, USACE; Michael Hough, TetraTech; Eric Johnson, USACE)
- InCom WG 173 – ‘Movable Bridges and Rolling Gates Design, Maintenance and Operation – Lessons Learnt’ (Representatives: Brenden McKinley, USACE; Timothy Paulus – Chair, USACE; Rick Schultz, USACE)
- RecCom WG 177 – ‘10 Years of the Marina Excellence Design ‘Jack Nichol’ Award (MEDA)’ (Representatives: Robert Nathan, Moffatt & Nichol; Mark Pirrello, Moffatt & Nichol)
- MarCom WG 144 – ‘Classification of Soils and Rocks for the Maritime Dredging Process – Abridged Field Version’ (Representatives: Gregory Sdraders, Great Lakes Dredge and Dock; Majid Yavary, CAS Group Consulting)
Five new Working Groups were formed, including:

- InCom WG 199 – ‘Health Monitoring for Port and Waterway Structures’ (Representatives: Matthew D. Smith, USACE; and Quincy Alexander, USACE)
- MarCom WG 200 – ‘Recommendations for the Design and Assessment of Marine Single Point Mooring (SPM) or Multi-Point Mooring (MPM) Facilities’ (Representative: Eric Smith, Moffatt & Nichol)
- InCom WG 201 – ‘Development of a Proposal of Inland Waterway Classification for South America’ (Representatives: Helen Brohl, CMTS; Calvin Creech, USACE; YP Will Veatch, USACE)
- RecCom WG 202 – ‘Influence of Recreational Navigation Infrastructures on Waterfront Projects’ (Representative is Matthew Lander, CH2M)
- RecCom-EnviCom WG 148 (relaunched) – ‘Environmental Impact Aspects of Recreational Navigation Infrastructure’ (Representative is Wen Chang, USACE)
- InCom WG 203 – ‘Sustainable Inland Waterways – A Guide for Waterways Managers on Social and Environmental Impacts’ (Representatives: Tom Denes, Arcadis; and Sergio Gaitan, Tetratech)

There were many changes in our Technical Commission representatives:

- Todd Bridges was selected as Chair of the Environmental Commission and Burton Suedel became our Principal Representative on that Commission and Victor Magar of Ramboll Environ was appointed as Alternate.
- On the Inland Navigation Commission, Craig Philip stepped down and Jose Sanchez was appointed as our Principal Representative.
- The new InCom Alternate Representative is Brian Tetreault.
- On the Young Professionals Commission, Andy Thomas now takes the international lead with the departure of Pablo Arecco.
- With the departure of Jason Giovannettone, Andrea Viteri was appointed as our Alternate Representative on YP-Com.
- Rachel Grandpre will be serving as the new YP on the Permanent Task Group on Climate Change (PTG CC).

18.4 PIANC Colombia Second Congress, 4-5 November 2017

Our Latin American Initiative, led by Lillian Almodovar and Kevin Knight, continued with the goal to promote the expansion and growth of PIANC National Sections in Latin America. PIANC Colombia celebrated their second Congress on 4-5 November 2017. PIANC USA was represented at the Congress by Lillian Almodovar. The Congress addressed topics of relevance to the navigation sector in Colombia, including dredging, maintenance of existing infrastructure, integration of policies and operational practices and the future of navigation. The Congress was well attended by representatives of the public and private sectors and students and generated significant interest in PIANC.
18.5 PIANC Annual General Assembly and Young Professionals Biennial Technical Visit in Australia, 18-20 June 2017

MG Donald E Jackson (Acting First Delegate), Ms Anne Cann (Secretary and Commissioner), and Ms Helen Brohl (Commissioner) represented the United States Section at the PIANC Annual General Assembly in Cairns, Australia on 18-20 June. MG Jackson participated in an international panel discussion of ‘The State and Perspectives of Waterborne Transport Infrastructure Worldwide’, which was organised and moderated by PIANC USA Commissioners Ms Anne Cann and Mr Nick Pansic. MG Jackson addressed the topic: ‘The Delivery and Funding Challenge – How to Drive More Investment to the Waterborne Sector?’. He was joined by panellists from Australia, Panama, the Netherlands and Dr. Craig Philip of Vanderbilt University, a former PIANC USA Commissioner. This was the inaugural Task Group 181 panel and is intended to be the template for an ongoing dialogue at future AGAs, which will bring a current, global perspective as well as a regional focus on cross-cutting technical issues, emerging trends and technological developments which are impacting the waterborne transport sector.

This effort began at the 2014 PIANC General Assembly in San Francisco, CA, at which it was resolved to form a task group on the state and perspectives of waterborne transport infrastructure worldwide, with the goal of creating a worldwide inventory of the needs and delivery of waterborne transport infrastructure for future societal benefit.

Task Group 181, led by the U.S., has completed a draft of its initial report on this topic, with the intent to foster an ongoing dialogue on this important topic among PIANC members and other stakeholder groups.

Ms Emily Vuxton, Deputy Secretary of PIANC USA, attended the PIANC Young Professionals event, which was also held in Australia. Chris Siverd and Andrew Thomas also represented the U.S. at this event. They joined over sixty other Young Professionals (YP) from ten countries at the PIANC YP-Com 6th Biennial Technical Visit (BTV) held in Sydney and Cairns, Australia on 15-21 June 2017. The BTV began with a tour of the Water Research Laboratory at the School of Civil and Environmental Engineering at the University of New South Wales in Sydney. The facilities toured included multiple wave flumes and a spillway flume. Participants also learned about the lab’s coastal imaging technologies. In the afternoon of the first day, the 26th YP-Com Meeting was held which discussed leadership changes for the following year and actions being taken by YPs in the different countries present.

The second day of the BTV included boat and walking tours of the Overseas Passenger Terminal and the White Bay Passenger Terminal, cruise terminals operated by the Port Authority of New South Wales. A walking tour was also given of the Barangaroo Reserve, an environmental restoration project in the Rocks area of Sydney. In Cairns the BTV concluded with a full day of technical presentations around the theme ‘Working with Nature’.

18.6 PIANC-SMART Rivers Conference, 18-21 September in Pittsburgh, Pennsylvania

The U.S. Section of PIANC hosted the biennial PIANC-SMART Rivers Conference on 18-21 September 2017 in Pittsburgh, PA. It was a major success, with nearly 300 U.S. and international participants, a robust technical programme with 125 presentations, 3 keynote addresses, a poster session, short courses, exhibit hall, technology tour at Carnegie Mellon’s Robotics Institute, and a cruise through Allegheny Lock 2.
Anne Cann and Emily Vuxton led the organising committee and ran the execution of the conference. The Conference Chair was Jim McCarville, retired Executive Director of the Port of Pittsburgh Commission. MG Jackson, Deputy Commanding General for Civil and Emergency Operations, USACE and Doug Lamont, Acting Assistant Secretary of the Army for Civil Works, made Welcoming Remarks on behalf of PIANC USA at the Opening Plenary Session. PIANC Secretary-General Geert Van Cappellen provided an ‘Introduction to PIANC’.

Keynote Addresses came from all parts of the globe:

- ‘Building Marine Transportation System Capacity through Information Infrastructure’, by RADM Paul F. Thomas, Commander, Eighth Coast Guard District, U.S. Coast Guard
- ‘The Inter-American Committee on Ports and a Discussion of Competitiveness, Logistics, and Port Infrastructure of Latin America and the Caribbean’, by Mr Jorge Duran, Inter-American Committee on Ports, Organisation of American States
- ‘Inland River Transportation in China: Current and Future Trends’, by Dr. Ying-En Ge, Dean of the College of Transport & Communications at the Shanghai Maritime University, P.R. China

At the Closing Plenary Session, Mr Jeff Lillycrop, Technical Programme Chair, shared highlights which were gleaned from the Technical Programme by the Moderators.

The presentations at PIANC-SMART Rivers 2017 highlighted the following key findings:

1. **We need to build sustainable, resilient projects, systems and waterways**
   - Use adaptive management & monitoring
   - Engineering with Nature
   - Regional Sediment Management
   - All projects are multi-objective, multi-purpose projects
   - balance between the economic, social and environmental issues
   - Must build in from the start cyber security
   - Innovative materials can be better, faster, cheaper

2. **Standards are important for communication and collaboration**
   - Data
   - Infrastructure components & construction methods
   - Information products & services
3. We need to be more transparent, more open about who we are, what we do and why it is important to engage everyone in freight movement

- Do a better job of Value Quantification
- Do a better job explaining & managing risk
- Do a better job modelling freight flow
- Consider waterways as a system and recognise the importance of tributaries which feed traffic into main channels

4. We are adopting and applying automation

- SLS moorings
- Lock gates & bridges
- Structural Health Monitoring
- Vessel operations
- Water drones for measuring, monitoring & entertaining
- We've done it, we can do more, we can do better

The Conference Proceedings will be published by PIANC HQ in early 2018. Powerpoint presentations from all technical sessions can be viewed at: https://pianc.sites.usa.gov/pianc-smart-rivers-2017-conference/program/.

18.7 Permanent Task Group on Climate Change (PTG CC) Workshop on ClimateChange Adaptation for Maritime and Inland Port and Navigation Infrastructure – 23-24 February 2017 in Brooklyn, NY

It is increasingly acknowledged that the consequences of climate change will affect both existing and new seaport and inland waterway infrastructure. Adaptation (to reduce vulnerability or increase resilience) will therefore be necessary. New designs will need to take into account the effects of climate change and some existing infrastructure may need retrofitting. Non-structural measures including modifications to management activities, maintenance regimes and other port, harbour and waterway operations are also likely to be required to facilitate the continued function of the physical infrastructure. Infrastructure implications associated with an increase in frequency of extreme events and associated adaptation options similarly need to be better understood. Consequently, PIANC Working Group 178 is developing a guidance document titled ‘Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’.

A workshop was held at the Port of New York and New Jersey in Brooklyn on 23-24 February 2017 as part of PIANC Working Group 178. The objective of the workshop was to gain information for WG 178 on the current state of climate change adaptation in the ports sector, raise awareness regarding climate change impacts, adaptation planning, and the forthcoming guidance document, and to provide a platform for organizations to exchange ideas.

The workshop was well attended with 55 people from the United States and Canada. Attendees included representatives from the ports sector including government, industry, consultants, and academia. Over the two and a half-day event, there were several presentations by The Port of New York and New Jersey; The University of Rhode Island; NYC Mayor’s Office of Recovery and Resiliency; International Finance Corporation, World Bank Group; Baird & Associates; USACE Environmental Laboratory; and Vanderbilt University. The workshop included a breakout session where attendees were divided into smaller groups to discuss certain topics.

The workshop proved to be an excellent forum for sharing ideas between policy makers, researchers, economists and engineers. A number of important outcomes resulted from the workshop for PIANC Working Group 178 including an understanding of the biggest challenges faced when it comes to climate change adaptation in the United States and Canada.
Kevin Knight, PIANC-USA liaison to Latin America, participated in the American Association of Port Authorities’ (AAPA) 26th Latin American Congress in Punta del Este, Uruguay on 6-9 November 2017. Nearly 500 port leaders and international experts from over 30 countries throughout Latin America as well as North America, Europe and Asia attended the annual Congress in which the theme was ‘Latin American Ports: Between Globalisation and Protectionism’. Panel sessions highlighted recent trends in trade, regulations, trade agreements, shipbuilding and port operational practices and capital improvements throughout Latin America, including an update of the expansion of the Panama Canal as the consequences of the expansion.

During the Congress, Knight met with Latin American officials to not only strengthen navigation community ties between the U.S. and Latin America, but to also gain a fuller understanding of the challenges and development projects within the region. In doing so, information gathered from the event will improve on PIANC’s Action Plan for Latin America, which lays out strategies of how PIANC could better serve the region as well as setting the stage for an inaugural Regional Conference of Latin America which is proposed to take place during the next PIANC World Congress in Panama.

The next annual AAPA Latin American Congress is scheduled to take place in Valparaiso, Chile on 21-24 October 2018.
19 PIANC Vietnam in 2017

Assigned by the Ministry of Transport, Southern Vietnam Maritime Safety Corporation (VMS-South) represents Vietnam as a Qualifying Member of The World Association for Waterborne Transport Infrastructure (PIANC) since 2015. Becoming an official member of PIANC gives Vietnam opportunities to access the documentation on the specialised techniques of leading experts through the PIANC website, as well as many opportunities to share information and understanding of the technical areas in particular, such as dredging, design of signal buoys, fairways.

19.1 Seminar PIANC (Vietnam) on Enhancing Maritime Safety in July 2017

The seminar was held on 14 July 2017 at the Novotel Saigon Centre Hotel, Ho Chi minh City, organised by the Southern Vietnam Maritime Safety Corporation (VMS-South), in collaboration with the Vietnam Maritime Administration and VMS-North and sponsored by Surbana Jurong, KASI (Malaysia), Trelleborg and VMS-South. Attending the seminar were Mr Do Hong Thai – Deputy Director of the Vietnam Maritime Administration, Mr Pham Tuan Anh – Deputy General Director of VMS-South, Mr Mai Xuan Thang – Deputy General Director of VMS-North, as well as representatives of Surbana Jurong, KASI (Malaysia), Trelleborg.

At the seminar

The seminar discussed the following topics:

Planning and Design:
- Case Study on Pasir Panjang Terminal 3 & 4
- Marine Traffic Risk Assessment (MTRA)
- Full Mission Ship Handling Simulation (FMSS)

Safe Mooring:
- The case study of Spirit of Tasmania II
- New trends and the development of fenders
On the second working day, the delegation did a site visit tour at the Port of CMIT; AtoN system on fairway Vung Tau – Thi Vai and Vung Tau VTS station.

At CMIT Port

The Seminar of PIANC Vietnam on ‘Enhancing Maritime Safety’ has created a platform to help leaders and technical staff from companies to have opportunities to exchange, update standards, knowledge and new techniques related to the work of ensuring maritime safety, design and construction of ports. Also, this is an opportunity for units to exchange and gain experiences in the field of management and design of ports, waterways, build relationships, network development and orientation for PIANC activities in Vietnam in the coming time.