National Sections
PIANC Australia (representing Australia and New Zealand) thanks all of our colleagues for travelling from overseas to join us for the AGA and the BTV in Cairns, June 2017.
The Contribution of the following national sections/qualifying members can be found on the PIANC website:

http://www.pianc.org/yearbookbrowseall.php

EXTRA CONTRIBUTIONS FROM:
PianC-CopeDEC IX
The Ninth Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC IX) was held in Rio de Janeiro, Brazil from 16 to 21 October 2016
1. MEMBERS

Authorities and Commission Members:

- First Delegate: Raúl S. Escalante
- Secretary: Sebastián García
- RecCom: Esteban Biondi & Cecilia Norman
- MarCom: Carlos Ginés & Marcelo Peyregne
- InCom: Leónel Temer
- YP-Com: Pablo Arecco, Marcos De Vincenzi and Francisco Weyland

Participation in Working Groups:

- WG 139 – ‘Values of Inland Waterways’: Leónel Temer
- WG 178 – ‘Working Group on Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’: Matías Goyeneche
- WG 185 – ‘Site Selection and Planning for New Ports and Specialist Marine Terminals on Greenfield Sites – Technical Guidelines’: Pablo Arecco
- 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

Membership 2016:

Argentina’s National Section has increased compared to 2015, especially the number of Young Professionals and Corporate Members. Currently there are 72 members:
- 63 Individual Members (among them 32 YP’s)
- 9 Corporate Members

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<th>2013</th>
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2. EVENTS

National Activities and International Activities

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

On September 5-7, 2016, our National Section organised in Buenos Aires the IX Argentine Congress of Port Engineering at the University of Buenos Aires.
More than 170 professionals attended the Congress and 31 papers were presented during the three days of the congress. Almost 60% of the participants were Young Professionals.

The event addressed issues related to port terminals planning, renovation projects of urban port areas, waterway infrastructure updating, new trends of inland navigation, dredging technologies and environmental aspects in maritime and fluvial infrastructure projects, among others.

The YP National Section organised three meetings in 2016, including the 2nd YP-Com River Plate meeting, that took place in Bahía Blanca and a meeting in Rosario, one of the most important port areas of Argentina. During the second meeting of the Young Professionals of PIANC Argentina in Rosario, our Secretary, Eng. Sebastián García, gave a presentation about PIANC, followed by other speakers, and the meeting ended with a visit to the port of Rosario.

International Activities

The Argentine Section participated in the following events:

- Several members of our National Section attended PIANC-COPEDEC IX, which took place in Rio de Janeiro, Brazil on October 16-21, 2016. During this event, Leonel Temer also participated as a lecturer in the workshop ‘Inland Navigation and a More Sustainable Use of Natural Resources: Networks, Challenges and Opportunities for Latin America’.
- The YP National Section organised the 2nd YP-Com River Plate meeting, in coincidence with the 3rd PIANC Argentina YP-meeting, held in Bahía Blanca, Argentina on November 25-26, 2016. This meeting was attended by more than 20 Young Professionals from different parts of Argentina and representatives of Chile, Brazil, Francia and Uruguay. During the two-day visit, the attendees were able to visit the facilities of the port, made a navigation through the estuary and paid a visit to the dry docks of the naval base of the Argentinian Navy.
- With the support of PIANC, Rosario Board of Trade, Corporate Member of PIANC, organised a meeting in Rosario on July 16, 2016: ‘Commerce and Logistics to Boost the Development of Production in the Paraná-Paraguay Waterway’. Participating in this event as lecturers, were Helen Brohl, Executive Director of the Committee on the United States Maritime Transport System and Hans van der Werf, former Secretary-General of the Central Navigation Commission for the Navigation of the Rhine (CCNR).
- Taking advantage of the presence of Helen Brohl in Argentina, the YP’s also organised an informal meeting where Helen spoke about PIANC, the Young Professionals and their beginnings in PIANC.
- Our Secretary, Eng. Sebastián García, attended the Annual General Assembly 2016 in Bruges, Belgium.
- Leonel Temer participated in both the Council meeting held in February 2016 in Brussels and the one in September 2016 in Rio de Janeiro.
- The Argentine National Section of PIANC finished with the edition of the videos filmed in the different workshops dictated during PIANC-SMART Rivers 2015 and uploaded them to the channel of PIANC in YouTube.

Raúl Escalante
First Delegate of PIANC Argentina

Sebastián García
Secretary of PIANC Argentina
1. PIANC AUSTRALIA NATIONAL SECTION

PIANC Australia’s vision is ‘to be recognised as the regional organisation that is the source of leading edge international knowledge for waterborne transport in the 21st century’.

PIANC Australia actively supports:

1. Regional representation on Technical Working Groups
2. Participation in the relevant Commissions of PIANC
3. The provision of quality workshops, seminars, conferences and other networking events in our region.

In 2016 the Board of PIANC Australia focused on widening membership particularly corporate membership and providing increased opportunities for our members to meet in a workshop and networking environment holding 8 events during the year.

2. PIANC AUSTRALIA MEMBERSHIP

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Our members come from Australia and New Zealand (NZ).

Our corporate membership increased significantly during 2016 partly from individuals converting to corporate membership and from our expansion to include our NZ colleagues.

3. BOARD MEMBERS OF THE AUSTRALIAN NATIONAL SECTION (AS AT DECEMBER 31, 2016)

- Neil Lawson – Chairman and Treasurer
- David Anderson – Deputy Chairperson
- Joel Bailey
- Greg Britton
- Marika Calfas
- Assoc. Prof. Ron Cox
- William Glamore
- Richard Hill
- Scott Keane
- Kate Panayotou
- Jason Sprott
- Michel de Vos

We welcomed 3 new Board Members during the year: Joel Bailey, Greg Britton and Michel de Vos following the retirement of Stuart Bettington, Gary Blumberg and Tim Green. The Board thanks the 3 retiring members who all made significant contributions to PIANC Australia. We welcome our NZ representative on the Board: Michel de Vos.

Our new Member Services Manager, Sally Anderson, started work in February 2016 providing much needed support to the Chairman and the Board.

4. 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 increase membership in tough times through a combination of increasing value for existing members and a focused membership drive.

A new recruitment strategy has been prepared which will be rolled out in 2017. This involves recruitment in Australia and NZ across all sectors active in the ports business. This is expected to result in a further increase in membership over the next 12 months.

- **Outreach (Scott Keane)**

Following a decision in 2015 to increase benefits back to our Australian and NZ members, the following events were held during 2016.

**10 June 2016 – the AGM for PIANC Australia was held in Sydney.**

This was followed by a technical session with two speakers from legal and insurance backgrounds.
Marcus John (Thomas Miller Australasia), a PIANC Australia Corporate Member, and Jesper Martens (Special Counsel, HWL Ebsworth Lawyers) provided interesting and insightful presentations with plenty of case study examples.

Participants enjoyed the networking event with drinks and canapes, that followed on from the presentations (35 attendees).

10 August 2016 - Sydney, PIANC YP Sundowner (36 attendees)


The June 2016 coastal storm was a media sensation with dramatic images of damage across NSW. However, it wasn’t the largest storm seen in NSW, nor was the damage entirely unexpected.

Recent advances in beach and structure monitoring together with an abundance of imagery and videography provided an unprecedented opportunity to learn from the effects of this storm.

The seminar reviewed the storm conditions, the damage observed across NSW, and the emergency response as it happened. A panel discussion explored what can be learnt from this event to make our coastal communities safer, maritime infrastructure more resilient, and how to achieve these within conflicting stakeholder expectations.

8 November 2016 – Auckland, Half-Day workshop on Dredging (35 attendees).

A number of speakers from different backgrounds discussed various dredging aspects from approvals and monitoring to planning and operations.


10 November 2016 - Perth, WG 121 – ‘Harbour Approach Channels - Design Guidelines’ (Brendan Curtis, OMC International) and Recent Channel dredging in the Pilbara region (Lyle Banks, Pilbara Ports Authority) (50 attendees).

Pilbara Ports Authority encompasses the Port of Ashburton, the Port of Dampier and the Port of Port Hedland, and future ports of Anketell, Balla Balla and Cape Preston East. The presentation provided an overview of intended dredging projects within the Pilbara Region providing insight into the significant amount of work that needs to be undertaken to maximise the ports’ shipping capacity whilst ensuring strict environmental and safety compliance within the current regulatory framework.
One of the key objectives of the Outreach Group was the planning for the Coasts & Ports Conference to be held in Cairns in June 2017. Planning is well advanced for the Conference and the interest has been so great that a sixth technical stream has been introduced.

**Young Professionals (William Glamore)**

Australia’s Young Professional (YP) Committee is a vital part of PIANC’s future. In 2017, PIANC YP Australia is moving into its fourth year. The committee is chaired by Will Glamore, with PIANC Board members Kate Panayotou and Joel Bailey nominated delegates and actively involved.

Overall, the YP 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 94 registered Young Professionals in Australia, with YP membership continuing to grow strongly (increasing from 63 members in 2015).

Will presented YP Australia at the YP-Com Asian Seminar in Manila in April 2016. During the meeting, Will led several sessions and presented twice (both on technical content and on YP Australia events).

A series of networking events were hosted by YP PIANC Australia in 2016, including events in Sydney, 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 2017.

During 2016, the YP-Committee has been busy planning for the 6th Biennial Technical Visit (BTV), which will be held on June 15-21, 2017 in Australia. The 6th BTV will be held in Sydney and Cairns, highlighting recent port and harbour developments and Australia’s unique marine environment. The event theme is ‘Working with Nature’. The 6th BTV coincides with PIANC’s Annual General Assembly and the 2017 Coasts and Ports Conference, and the event will be one of the largest gatherings of PIANC Young Professionals ever assembled with members expected from PIANC partners worldwide. We would like to take this opportunity to again invite PIANC Young Professional delegates worldwide to this unique and exciting event. For more information, please see the event website: [http://aga2017.com.au/btv/](http://aga2017.com.au/btv/).

**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/NZ has strong representation on the Working Groups with around 14 participants.

In 2016 the Board accepted a recommendation from the Committee to provide part funding of travel costs for our members to attend overseas Working Group meetings.

**NZ Committee**

The NZ committee commenced operations following the appointment of Michel de Vos to the Board in June 2016.

NZ is an expanding part of PIANC Australia thanks to the efforts of Michel and the NZ Port engineers. In November 2016, a Dredging workshop was held in Auckland on 8 October 2016. This was followed by the NZ Port Engineers Forum where the Chairman was asked to address the group on the progress of PIANC both in Australia/NZ and internationally. The majority of ports in NZ are now members of PIANC.

**Governance & Risk Management (David Anderson)**

During 2016, PIANC Australia achieved the following:

- Continued the drive for increased New Zealand membership
- Continued planning for the AGA, Coasts and Ports Conference and YP BTV for June 2017 in Cairns
- Maintained 4 YP eligible Board Members
- Maintained a balanced Board with representation from 4 of the 8 Australian States and Territories
- Active participation on the Commissions of PIANC
- Maintained a vigorous Board with high attendance levels and good engagement
- Commenced review of our incorporation and our governance procedures
5. ANNUAL GENERAL ASSEMBLY MAY 2016

The AGA in Bruges was attended by the Chairman and First Delegate of PIANC Australia, Neil Lawson. Neil Lawson presented the case for travelling to Cairns, Australia for the occasion of the 2017 AGA/BTV. Associated with the AGA will be the biennial Coasts and Ports Conference and the YP BTV. Held in June, participants will be able to enjoy the warm winter weather of northern Australia.

6. ANNUAL GENERAL ASSEMBLY 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 welcome the PIANC AGA back to Australia. This time we have chosen the tropical city of Cairns, in the north east of Australia. With easy international air access, Cairns is the gateway to the World Heritage listed Great Barrier Reef and home to a busy cruise shipping and recreational boating industry.

In addition, we are pleased to be able to welcome the BTV (YP Biennial Technical Visit) to Cairns at the same time as the AGA.

The AGA/BTV will be held at the Hilton Hotel overlooking the harbour and marinas. Our banquet dinner will be held at the historic cruise ship terminal building adjacent to the hotel. We have prepared an interesting programme around the AGA including a trip to the Outer Barrier Reef.

Whilst it is winter in Australia in June, you can expect temperatures ranging from an average minimum of 18 degrees Celsius to a maximum of 26 degrees Celsius with sea temperatures of about 24 degrees Celsius in tropical Cairns.

7. PARTICIPATION IN COMMISSIONS AND WORKING GROUPS

Our members actively participate in international Working Groups. In 2016, PIANC Australia was represented in 6 Commissions and a Permanent Task Group plus around 14 Working Groups with ambitions to further strengthen our representation where appropriate.

To strengthen participation in this critical technical work, the Board approved a Travel Assistance Policy (TAP) in 2016 – and now offers limited financial assistance for members who qualify through a selection process.

We are currently actively looking for an Australian or New Zealand representative for RecCom.

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<td>EnviCom</td>
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<td>ProCom</td>
<td>Neil Lawson</td>
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<td>CoCom</td>
<td>Assoc. Prof. Ron Cox</td>
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<td>YP-Com</td>
<td>William Glamore, Alternate Kate Panayotou</td>
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<tr>
<td>MarCom</td>
<td>Peter Fountain, Alternate Scott Keane</td>
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<td>FinCom</td>
<td>Neil Lawson</td>
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With the organisation of the AGA, 2016 was a challenging year for the Belgian Section of PIANC.

1. NATIONAL ACTIVITIES

The board gathered five times: in Brussels, Harelbeke and Namur.

The General Assembly took place on March 18, 2016 at the Congress Centre BEL in Brussels. About 50 members participated in the meeting. After the statutory part of the meeting, there was a presentation of the ‘Brussels Canal Plan’ and site visits of the Upite Tower and the construction site of the new H. Teirlinck building in the afternoon. According to good Belgian tradition, a tasty lunch was offered as well.

Finally, on November 18, 2016 the 7th ‘international’ 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 ‘Inland Waterways, Future Roads, Paths to the Future of Wallonia’. The seminar gave us a view on the waterway from various perspectives.

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

2. AGA 2016

From May 17 to May 19 2016, the AGA 2016 took place in the cosy and historical city of Bruges, Belgium.

On Tuesday, May 17, 2016, the ExCom meeting took place all day long at ‘De Caese’, the former official residence of the treasurer of the ‘Brugse Vrije’, the countryside around Bruges at the end of the 14th century, nowadays receiving house of port Authority of Zeebruges.
The evening of May 17, all delegates and partners were invited at the reception offered by the city of Bruges in the historical City Hall, where Mieke Hoste, alderman of Bruges, and Yvon Loyaerts Chairman of the Belgian Section, welcomed all participants of the AGA 2016.

On Wednesday, May 18, 2016, the marvellous medieval Cloth Hall and Belfry of Bruges was the splendid meeting place for the 116 AGA Delegates, representing 24 PIANC Qualified Members worldwide. Apart from the traditional items, during the AGA, Ms Jo-Ellen Darcy signed the MoU of the Pittsburgh PIANC-SMART Rivers 2017 Conference, and the Italian, Spanish and French representatives signed the MoU of the Mediterranean Days for the coming years. Matthew McCarty received the De Paepe-Willems Award for his paper ‘Large Diameter FRP Monopile Systems for Ferry Berths’ and by the hands of Elio Ciralli (RecCom), Roxie Comstock from Bellingham Marine, received the Marina Excellence Design ‘Jack Nichol’ Award (MEDA) for the Singapore Marina at Keppel Bay project.

In the evening, a banquet was offered at the Bruges Concert Hall, in a socialising atmosphere between the many delegates and their partners.

On the last day, Thursday, May 19, 2016, we got a seminar and speech by Serge De Gheldere. "The transition to a fossil-free economy and the opportunity of sustainable energy in the Belgian North Sea", as well as an introduction to and visit of the Port of Zeebruges.

The pre-banquet reception

The participants of the seminar

Those who unfortunately skipped the lunch and the visit to the brand new Zwin, natural reserve and international bird airport, missed a great opportunity. Even before the opening of this interactive exhibition building on June 10, the AGA 2016 gave a unique pre-boarding card for an interesting visit over the Zwin plain on the Belgian-Dutch border.

The natural reserve ‘Het Zwin’

A programme for the Accompanying Partners, 43 in total, was set up, including a visit to the city of Ghent on May 17 and Bruges on May 18 and May 19.

Visit to the city of Ghent
The venue, Bruges, offered the AGA 2016 a stay in a wonderful city, a worldwide renowned cultural and tourist centre, as well as the contact with a modern seaport at Zeebruges, connecting the region with the entire world.

More photos and results about this 2016 PIANC assembly can be found on our Facebook page.

It was a pleasure for the Belgian Section to host the AGA 2016 in Bruges!

We thank all participants and collaborators, as well as our sponsors.

3. YOUNG PROFESSIONAL ACTIVITIES

After the intense year 2015, with the organisation of the 5th BTV, a quieter year was to be expected. Nevertheless, 2016 offered a variety of interesting activities for the Belgian Young Professionals.

2016’s kick-off was on January 18, 2016 with the classic New Year event. This year the Belgian Young Professionals met in Ghent for a culinary walk through the historical centre.

Shortly after the kick-off, a visit was organised to the new Antwerp Port House (by Zaha Hadid Architects) on February 18, 2016.

On April 20, 2016, The Belgian Young Professionals gathered in Bruges for a technical visit to the A11 construction site. The A11 is a new highway south of the port of Zeebruges. The A11, with a total length of 12 km, allows an easy connection of the port of Zeebruges with the interior.

In collaboration with the Dutch Young Professionals we organised a visit to the Maasvlakte 2 on June 30, 2016.

4. INTERNATIONAL ACTIVITIES

The entire Belgian board participated in the AGA in Bruges on May 17-19, 2016.

5. FACTS AND FIGURES

Membership 2015

- Platinum Partners: 2
- Life Members: 21
- Honorary Members: 3
- Individual Members: 125
- Student Members: 1
- Small Corporate Members: 38
- Large Corporate Members: 9

Board and General Assembly

The Board met on February 11, April 29, July 13, September 9 and November 17, 2016. The General Assembly took place on March 18, 2016 at Congress Centre BEL in Brussels.

Frederik Buffel
Secretary of PIANC Belgium

On April 20, 2016, The Belgian Young Professionals gathered in Bruges for a technical visit to the A11.
The Danish National Section of PIANC, PIANC Denmark, is undergoing a transformation after the Danish governmental support ceased in 2016. A group of Danish members supported a new organisational framework that is now being implemented. This means that there will still be a Danish Section to continue the century-long Danish contacts with PIANC HQ and with the Nordic colleagues within NordPIANC.

PIANC DENMARK MEMBERS

Individual Members: 11
Corporate Members: 12

The Danish members are mainly from port authorities and marine consultants, thus with main interest in port development, maritime transport and coastal and environmental engineering.

Section Board Members

• Kjeld Dahl Sørensen, Head of Technical Department, Port of Esbjerg (Chairman), Appointed by Danish Ports (association)
• Hans Vasehus, Head of Construction, CPH City & Port Development A/S, Appointed by Danish Ports (association)
• Peter Ydesen, Port of Hirtshals, Appointed by Danish Ports (association)
• Jens Kirkegaard, Senior Consultant, DHI (Secretary), Appointed by membership

Secretariat

Port of Esbjerg, Hulvejen 1, 6700 Esbjerg, Denmark
Att: Tina Pugh Høhrmann, Technical Assistant

ACTIVITIES IN 2016

Member of MarCom: H.F. Burcharth, Professor Dr. Techn., Aalborg University

Working Group members:

• WG 47 – ‘Criteria for the Selection of Breakwater Types and their Optimum Damage Risk Level’: Professor Hans F. Burcharth, Chairman
• WG 185 – ‘Site Selection and Planning for New Ports and Specialist Marine Terminals on Greenfield Sites – Technical Guidelines’: Guillaume Albert, COWI

Meetings and Conferences

The Danish PIANC members participated in the PIANC-COPEDEC Conference in Rio de Janeiro with contributions on a greenfield port development, optimisation of port navigational channels and port planning.

The board members met at the Port of Esbjerg to review the day-to-day business of the Section. But no meeting without spending a few hours on real port issues. The Port of Esbjerg experienced significant growth due to the installation of renewables offshore. As the photos show, space is required and new types of vessels enter the port.

The annual membership meeting was held in Copenhagen on May 9, 2016 with discussions on the future of our Section high on the agenda. Copenhagen Malmö Port (CMP) hosted the meeting and invited the participants on a boat trip through the port to the new cruise terminal at the north harbour. We visited one of the three impressive transit facilities and the quay area. The tour through the port also gave a waterside impression of the transformation of the old harbour areas into new neighbourhoods with modern apartment and office buildings.
PIANC FINLAND MEMBERS

In 2016, the Finnish Section of PIANC Consisted of
50 Members, among Which:

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

First Delegate of Finland:

• Mr Risto Lång, Finnish Transport Agency

Board Members of the Finnish Section of PIANC in
2016:

• Mr Risto Lång (First Delegate of PIANC Finland)
• Mr Veikko Saukkonen (Port of Helsinki)
• Mr Seppo Virmalainen (Finnish Consulting Group Ltd.)
• Mr Jarno Yletyinen (Terramare Ltd.)
• Mr Tero Sikiö (Secretary PIANC Finland, Finnish
Transport Agency)

Commission Members in 2016:

• InCom: Mr Tero Sikiö
• MarCom: Mr Seppo Vitanen, Mr Kim Andersson-Berlin (YP)
• EnviCom: Mr Olli Holm
• RecCom: Mr Harri Sane
• ProCom: Mr Olli Holm
• YP-Com: Mr Kim Andersson-Berlin

Honorary Members of PIANC Finland:

• Mr Kimmo Mannola
• Mr Keijo Kostiainen

Finnish Delegation at the AGA 2016 in Bruges:

• Mr Risto Lång

GENERAL MEETING IN HELSINKI

The biennial general meeting of the Finnish Sec-
tion of PIANC was held on June 8, 2016 at the Port
of Helsinki. On the agenda of the meeting were
statutory items, including the nomination of the
new board of the Finnish Section of PIANC. After
the statutory part of the meeting, Mr Veikko Sauk-
konen gave a technical presentation about new
investments in the Helsinki West Harbour. After the
meeting, a dinner was served at the Suomenlinna
sea fortress, which is a world heritage site on an
island outside the city of Helsinki.

NATIONAL WEBPAGES

The Finnish Section of PIANC has reshaped and
modified its national webpages. The new home-
pages (only in Finnish) have been put online at the
beginning of 2017 (www.pianc.fi).
TECHNICAL VISIT TO RAUMA

On October 4, 2016, 11 members of the Finnish Section of PIANC took part in a technical visit, organised by PIANC Finland, to the fourth biggest harbour in Finland, the Port of Rauma. The visit was hosted by Mr Tommi Marjamäki, Division Manager, Ports and Marine Structures of Ramboll Finland.

In Rauma, a € 40 million dredging project is going on. The Rauma entrance channel will be deepened from 10.0 metres to 12.0 metres. At the same time, the Port of Rauma will invest € 13 million in new quays. The project is paying extra attention to dredging and handling of 45,000 m³ of contaminated sediments. In the project a study of the impact of underwater noise to fish behaviour is included.

Mr Risto Lång
First Delegate of PIANC Finland
17 au 19 mai 2016: AGA de PIANC à Bruges

Une délégation nombreuse s’est rendue à Bruges pour représenter la section française lors de l’AGA de PIANC. François Lambert, conseiller technique d’Alain Vidalies, Secrétaire d’État auprès de la Ministre de l’Environnement, de l’Energie et de la Mer était accompagné de Paul Scherrer, premier délégué de la section française, Guillaume Le Réveillé, Président d’AIPCN France, Claude Gressier, Jean-Marc Médio, Jean Chapon, Guillaume Carpentier, Bertrand Marsset de Ports Normands Associés, Renaud Spazzi de VNF, Jean-Louis Mathurin de la CNR, Mamadou Thioub et Mamadou Faye de la SOGENAV.

Au cours de l’assemblée générale, François Lambert est intervenu pour présenter la politique française en matière de transport maritime et fluvial et ses orientations. Il a aussi mentionné la relance de la société de projet du canal Seine Nord Europe.

Au cours de l’AGA, a aussi été signé un mémorandum d’entente (Memorandum of Understanding) entre l’Espagne, l’Italie et la France concernant l’organisation des Journées Méditerranéennes de PIANC.

20 mai 2016: Séminaire sur le développement de la navigation sur le fleuve Sénégal

AIPCN France a organisé le 20 mai 2016 à Paris un séminaire avec la SOGENAV, société fille de l’OMVS (Office de mise en valeur du Fleuve Sénégal, organisation interétatique associant le Sénégal, la Mauritanie, le Mali et la Guinée), chargée de la restauration pérenne de la navigation sur le fleuve Sénégal et de la gestion et de l’exploitation des ouvrages et aménagements afférents.


Dans le cadre de ce séminaire, une délégation de la SOGENAV, menée par M. Mamadou Faye, Directeur Général, a pu échanger, sous la présidence de Guillaume Le Réveillé et en présence de Geoffroy Caude, avec des membres de la section française de l’AIPCN représentatifs de la diversité de l’expérience française en matière de transport fluvial : Stéphanie Peigney-Couderc du Ministère en charge du transport fluvial, Renaud Spazzi pour VNF et Jean-Louis Mathurin pour la CNR.

Les contacts se poursuivent avec VNF et CNR pour définir les modalités concrètes de cette coopération.

12 juin 2016: Réunion de la task force universitaire de PIANC

Le 12 juin 2016 s’est tenu à Caen une réunion du groupe universitaire de PIANC [PIANC/Universities consortium (TG-PUC)] pour valider en interne sa proposition de ‘Termes de Références’.

Ce groupe était constitué en 2016 de:

- Henk Jan Verhagen - Université de Technologie de Delft, Pays-Bas
- Øivind Asgeir Amtsen - NTNU, Norvège
- Guillaume Carpentier, ESITC-Caen, France
- Andreas Kortenhaus, Université de Gand, Belgique
- Thomas Wakeman, Stevens Institute of Technology, USA
- Jean-Michel Hiver, Université Libre de Bruxelles, Belgique
- Gregorio Iglesias, University of Plymouth, UK
- Miguel Ortega Sánchez, Université de Grenade, Espagne

Ces Termes de Références ont été approuvés lors de la réunion du 14 octobre à Rio de Janeiro par ExCom, qui a également nommé entre autres:

- Henk Jan Verhagen comme président
- Guillaume Carpentier comme secrétaire
- Philippe Rigo comme représentant de la commission exécutive

Juin 2016: Workshop International ‘Port Engineering & maritime Works’

Durant 4 semaines, 30 étudiants internationaux (néerlandais, belge, bulgare, allemand, italien, américain, chypriote, grec, espagnol, irlandais, écossais, gabonais, ivoirien, chinois, indien, panaméen) et 11 étudiants français ont travaillé en « mode projet » dans le cadre d’un dispositif pédagogique original proposé par l’ESITC Caen, et soutenu largement par les professionnels du secteur.
Le vendredi 24 juin, les candidats finalistes ont soumis leur résultat de leurs travaux à un jury de professionnels comptant un grand nombre de membres de la section française de PIANC, dont son Président, Guillaume Le-Réveillé.

Ce Workshop international allie cas pratique, apprentissage théorique et visites techniques autour de la thématique : « Ouvrages Maritimes et Portuaires ». Les ateliers, animés en anglais, consistent en des projets de groupe simulant une réponse à appel d’offres. Cours ultra spécialisés, conférences et tutorats se succèdent et sont appuyés par des visites techniques, etc.

Ce dispositif sera reconduit en juin 2017 (contact: guillaume.carpentier@esitc-caen.fr).

16 au 21 octobre 2016: PIANC-COPEDEC à Rio de Janeiro

La section française a financé la participation de jeunes doctorants à cet événement.

La halle d’exposition comprenait deux grands stands français: l’un tenu par les entreprises SOLETANCHE-BACHY, MENARD, FREYSSINET, Terre Armée et Sixense, grand mécène de la conférence. La filiale d’Artelia/SOGREAH CLI avait également un stand présentant les différentes solutions de revêtement des parois des brise-lames et des digues extérieures.

7 au 18 novembre 2016: COP 22 à Marrakech

Sous l’impulsion de la Ministre de l’Environnement, de l’Energie et de la Mer, chargée des Relations internationales sur le climat, Madame Ségolène Royal, AIPCN France a réussi à constituer une coalition d’acteurs et à regrouper à ses côtés plusieurs autres partenaires (associations scéens avec lesquelles elle travaille régulièrement ou autres partenaires occasionnels) et à les fédérer autour d’une initiative présentée à Paris à plusieurs reprises lors des travaux de la COP 21.

Sous le terme de « Navigating a changing climate », l’initiative regroupe aujourd’hui dix partenaires internationaux: l’IAPH et l’ESPO (pour les ports), l’IBTA pour les opérateurs de terminaux vracquiers), l’IHMA (pour les commandants de ports), l’IMPA (pour les pilotes maritimes), l’EuDa (pour les entreprises de dragages), l’IWI (pour les voies navigables), Imarest (pour l’ingénierie des technologies marines) ainsi que le Smart Freight Center.

Un plan de travail à 5 ans a été préparé, qui détaille les actions entreprises par l’ensemble des partenaires sur cette période. Ceux-ci s’appuient en réalité sur quatre piliers : la durabilité, la résilience, l’intégration et la capacité à développer le concept d’œuvrer avec la nature (‘Working with Nature’).

L’état d’avancement de l’initiative a été présenté le 10 novembre à Marrakech dans le cadre de la COP 22 par Geoffroy Caude lors d’un événement parallèle organisé sur le pavillon de la France pour montrer les actions engagées en matière d’adaptation au changement climatique dans le secteur des infrastructures de navigation maritime et fluviale. Le lendemain, Monsieur Mohammed Yousfi de l’agence nationale des ports marocains a également présenté ses réalisations en matière d’adaptation des ports lors d’un événement parallèle organisé le 11 novembre sur le stand du Maroc.

17 novembre 2016: Journée de présentation et de réflexion consacrée aux thèmes du vieillissement des structures et des techniques d’inspection subaquatiques

Le 17 novembre 2016, l’AIPCN France a organisé une journée de réflexion et de présentation sur le thème du vieillissement des ouvrages et des techniques d’inspections subaquatiques.

Les sujets présentés ont été l’occasion d’échanges fructueux, qui se sont poursuivis lors des moments de convivialité.

Il est à noter que l’intervention sur le projet de rapport du WG 192, présenté en ouverture a été particulièrement apprécié, et que ce retour mérite d’être renouvelé pour d’autres groupes de travail.

La journée a été clôturée par Geoffroy Caude, qui a salué la qualité des échanges et émis le vœu de voir ce type de format d’échanges se réitérer régulièrement.

A la demande du président de la commission de la navigation de plaisance Elio Ciralli, Laurent Monsaingeon, ancien responsable des ports de Nice et de Cannes a organisé au titre de PIANC avec M. Franck Dosne, actuel directeur des ports de CCI Nice-Côte d’Azur du 27 au 30 septembre une visite de plusieurs ports des Alpes-Maritimes pour MM Adnan Al Abbar, premier Vice-Président de DP World et Mohammed Al Mannaie, directeur de Port Rashid, lesquels étaient accompagnés de Madame Fabiana Maccarini.

Olivier Piet
Secrétaire de AIPCN France
The Indian National Section of PIANC is headed by Mr Pravir Krishn, Joint Secretary (Ports), Ministry of Shipping, Government of India. The Indian National Section consists of one large Corporate Member, 10 Small Corporate Members, 10 Individual Members besides the Ministry of Shipping, Government of India being the Qualifying Member of the PIANC. Mr Pravir Krishn is also First Delegate representing India in the PIANC Council and Annual General Assembly, as well as other events. Mr H.N. Aswath, Director (Engineering) in the Ministry of Shipping, is Secretary of the Indian National Section of PIANC.

Mr Pravir Krishn, First Delegate of PIANC India

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, nominated for PIANC EnviCom Working Group 136 – ‘Recommendations for Sustainable Maritime Navigation’, participated in the meetings of the Working Group. Mr B. Poiyaamozhi, Development Advisor (Ports)(Retd), member of the Indian National Section of PIANC and also member of the PIANC Maritime Commission (MarCom), has been taking part in the activities and meetings of MarCom.

Mr A.R. Rao, Co Chairman of PIANC Co-Com and an Individual member of the Indian Section, also attended the ExCom meeting on February 4, 2016 and the Council meeting on February 5, 2016 in Brussels, Belgium. He also attended PIANC-COPEDEC IX on October 16-21, 2016 in Rio de Janeiro, Brazil.
PIANC IRAN MEMBERS

PIANC Iran Membership:
• 18 Individual Members
• 5 Student Members

First Delegate of Iran:
Eng. Mohammad Reza Allahyar, Ports and Maritime Organisation of Iran

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 (ProcCom)

Active Participation in International Meetings and Events:
• 2nd YP-Com Asian Seminar, April 11-14, 2016, Manila, the Philippines
• Annual General Assembly, May 2016, Bruges, Belgium
• PIANC-COPEDEC IX, October 16-21, 2016, Rio de Janeiro, Brazil
• ProCom and YP-Com online meetings


During the AGA 2016, PIANC decided to agree on the proposal of the Iranian National Section to organise the 10th International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC X), together with the 14th International Conference on Coasts, Ports and Marine Structures (ICOPMAS 2020) in Iran.

The flag has been received by Mr Allahyar during PIANC-COPEDEC IX in Rio de Janeiro, Brazil and the first meeting was held during ICOPMAS 2016 in the presence of Mr Caude, Mr Wens, Mr Van Schel, Mr Van Cappellen and delegates from the Ports and Maritime Organisation of Iran.

The First Announcement was published and distributed during ICOPMAS 2016. Further information will be announced subsequently at http://icopmas.pmo.ir.

12TH INTERNATIONAL CONFERENCE ON COASTS, PORTS AND MARINE STRUCTURES - ATTENDANCE OF PIANC DELEGATES

The presence of Mr Geoffroy Caude (President of PIANC) for the first time in this event, along with Mr Louis Van Schel (Secretary-General of PIANC), Mr Freddy Wens (Chairman of the IOC) and Mr Geert Van Cappellen (Successor of PIANC’s Secretary-General) was a great honour for the ICOPMAS Secretariat.

All PIANC members were invited to participate in this event, and the Ports and Maritime Organisation of the Islamic Republic of Iran and the secretariat of PIANC Iran considered some special grants for PIANC members who were willing to attend the conference.

Speeches

Mr Caude’s Presentation at the Opening Ceremony

Mr Caude started his speech with a short history on holding ICOPMAS since 1990. He also was impressed with the large number of participants from 35 different countries including many prestigious university keynote speakers.

He mentioned PIANC as an international non-political and non-profit organisation where governments, universities and engineering or public works companies share experience and knowledge on the waterborne infrastructures, mainly while organising international conferences, such as ICOPMAS and producing guidelines or reports on the best practices.
He added that in order to achieve these goals, PIANC needs strong National Sections in order to strengthen our co-operation on both scientific and technical fields while considering logistical, economic and environmental issues and to pursue our peaceful approach giving opportunity for each international event and AGA an occasion to share the way of life and the culture of each host country.

At the end, he confirmed Iran’s candidacy to organise the 10th PIANC-COPEDEC Conference, together with the 14th International Conference on Coasts, Ports and Marine Structures (ICOPMAS 2020), which will be an important milestone in the history of PIANC and of its expansion in this part of the world.

Mr Wens’ Speech at the Closing Ceremony

Mr Wens focused on organising PIANC-COPEDEC every 4 years. He talked about the 9th Conference, which took place in Brazil, which was a huge success with 452 participants (300 from developing countries) and 150 presentations.

He also mentioned the PIANC-COPEDEC constituency to hand over the flag to the representative of I.R. Iran to host the 10th edition in November 2020, together with 14th Conference on Coasts, Ports and Marine Structures (ICOPMAS 2020). He added that the active mission of the event is to provide an international forum where coastal and port engineers form developing countries can exchange knowledge and experience among themselves and with their colleagues from industrialised countries and to enable the developing countries to have a sustainable human resource pool of coastal and port development professionals. He also was happily surprised by the great diversity and high scientific quality of all presentations and he was convinced that the great success of this ICOPMAS 2016 Conference again provided a forum, not only for the coastal and port professionals in Iran and the Persian Gulf region, but also for engineers from all around the world. Moreover, he assured that the benefits of this Conference will not be limited to the coastal and port engineering community but also boost the economy and mitigate adverse environmental and climate changes impact so that the world population will get full advantage of it.

Closing Ceremony: Mr Freddy Wens

3 YP-Com members attended this Conference as authors of accepted papers for oral presentation:

- Mr Francisco Sarrias: ‘Solutions To Challenges For The Implementation Of The Smart Port Strategies’, Spain
- Mr Jiri Kadlec: ‘Design Of Mobile Application For Pollution Reporting’, Czech Republic

PIANC IRAN BOOTH

The 12th International Conference on Coasts, Ports and Marine Structures (ICOPMAS 2016) was held on October 31-November 2, 2016 at the Olympic Hotel in Tehran, Iran. The event was a great opportunity for the Iranian National Section to expand the active contribution with the Association. The PIANC Iran booth at the side exhibition was aimed to get the participants acquainted with the latest activities and achievements of the Association and the translated technical reports, using flyers and brochures in Persian and English.
PIANC IRAN FIRST YP-COM MEETING

The first YP-Com meeting of the Iranian National Section was held during the informal dinner at ICOPMAS 2016. The meeting was aimed to introduce the activities and goals of the Association to the members and to create an appropriate ground for members’ contributions and co-operation in an open discussion.

YP-Com meeting during ICOPMAS 2016

TRANSLATIONS AND PUBLICATIONS

Three technical reports have been translated into Persian:

- ‘Master Plans for the Development of Existing Ports’
- ‘Harbour Approach Channels – Design Guidelines’
- ‘Initial Assessment of Environmental Effects of Navigation and Infrastructure Projects’

The documents have been published in Persian and English, in order to introduce the Association to the scientists and experts working in the related fields of waterborne infrastructure and to share useful information about PIANC Iran activities and achievements.

1st Announcement of PIANC-COPEDEC 2020
The 12th International Conference on Ports & Marine Structures (ICOPMAS 2016) was held on October 31-November 2, 2016 at the Olympic Hotel in Tehran, Iran. The event emphasised on invigorating technical and professional cooperation, as well as the exchange of the latest scientific and executive achievements among countries all over the world, especially coastal neighbouring countries.
PARTICIPANTS

A total of 1,200 scientists, engineers, researchers and students from 37 countries (including Afghanistan, Australia, Azerbaijan, Bangladesh, Belgium, Bulgaria, Canada, Croatia, Czech Republic, Denmark, England, France, Germany, Ghana, Greece, Indonesia, India, Italy, Ivory Coast, Japan, Jordan, Korea Republic, Malaysia, the Netherlands, Norway, Oman, Pakistan, the Philippines, Poland, Romania, Russia, Singapore, Spain, Sri Lanka, Sweden, USA and Venezuela), along with officials from international and relevant organisations attended the important technical event.

MORAL SPONSORS OF THE CONFERENCE

Moral sponsors of the ICOPMAS 2016 Conference were: the World Association for Waterborne Transport Infrastructure (PIANC), the International Association of Ports and Harbors (IAPH), the World Meteorological Organization (WMO), the International Association for Hydro-Environment Engineering and Research (IAHR), the Coordinating Committee on Hydrometeorology & Pollution Monitoring of the Caspian Sea (CASPCOM), the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA-AISM), the Iranian National Commission for UNESCO and the Coordinating Committee on Hydrometeorology and Pollution Monitoring of the Caspian Sea (CASPCOM).

ORGANISATION OF THE CONFERENCE

- President – Mohammad Saiednejad
- Vice-President – Noureddin Aliabadi
- Secretary – Mohamad Reza Allahyar
- Alternate Secretary – Behzad Alvand
- Executive Secretary – Reza Sohrabi

SIDE EXHIBITION

The exhibition consisted of two different halls with 52 booths allocated to different national and international organisations, consulting engineers, contractors and all other participants. PIANC, Van Oord, Royal Boskalis, Liebherr, Siwertell, Kalmar and Holland Shipyards were the most notable corporations joining the exhibition to show their capabilities.
**9 KEYNOTE SPEAKERS FROM 7 COUNTRIES GAVE A SPEECH ON DIFFERENT SUBJECTS**

- **Prof. Charitha Pattiaratchi** – University of Western Australia – Australia
  Subject: Application of oceanographic drift modelling

- **Prof. Michael J. Risk** – McMaster University – Canada
  Subject: Integrated aquaculture for Iran: Avoiding pitfalls while preparing for the future

- **Prof. Jun Sasaki** – University of Tokyo – Japan
  Subject: Strategies and policies towards environmental and fisheries restoration in Tokyo Bay

- **Prof. Robert Kirby** – Ravenswood Consultants Ltd
  Subject: Twin related aspects of engineered mud suspensions for the NW European and Iranian port industry

- **Prof. Magnus Larsson** – Lund University, Sweden
  Subject: Ship-generated waves and the effects on shore and bank erosion

- **Prof. Jacqueline Michel** – Research Planning, Inc., USA
  Subject: A Comprehensive Approach to Oil Spill Preparedness - Planning, Response and Assessment

- **Prof. Lawrence P. Sanford** – University of Maryland Center for Environmental Science – USA
  Subject: Physical-biological interactions in muddy nearshore environments

- **Prof. Herman Ligteringen** – Delft University of Technology and UNESCO-IHE, the Netherlands
  Subject: Port Development in the 21st Century

- **Prof. Dano Roelvink** – UNESCO-IHE – the Netherlands
  Subject: Predicting coastal impacts at a range of scales

**WORKSHOPS**

9 Workshops Were Held By Consultant Engineers And Contractors:

1. ‘Building with Nature (BwN) – How can Nature do the Work?’ by Royal Boskalis Westminster N.V.
2. ‘Scrutinising The Iczm Plan for Hormozgan Province Sazeh Pardazi Iran.’ by Consultant Eng. Co
3. ‘Special Experiences of Self-Compact Concrete for Repair of Berths No. 45 And 6 Of Boushehr Port’ by Sazeh Pardazi Iran. By Consultant Eng. Co
4. ‘Quay Walls Built over Soft Soils: A Case Study’ by Trevi Group & Enser
5. ‘Makoran Coast’ by Maab Consulting Engineers
6. ‘Aquaculture and Marine Gage Culture Development Programme in I.r. Iran’ by Iran Fisheries Organisation
7. ‘Applicable Process to Produce Topographical Map with 1:5000 Scale & 0.5 Meter Contour Line from the Shoreline of Hormozgan Province (Design and Aerial Imaging, Field Surveying, Photogrammetry, Hydrography, Gis)’ by Naghsheh Pardazan Pars, Consulting Engineers
8. ‘Integration of Tidal Observations in the Large Area Hydrography Projects; Case Study: Makran’ by Darya Tarsim, Consulting Company
9. ‘The Methods of Skimming Oil Pollutions from Water Surface’ by Iran University of Science and Technology

Side exhibition of ICOPMAS 2016
ABOUT PIANC JAPAN

• PIANC Japan was established in November 1977. The membership of PIANC Japan as of March 2016 is as follows: 120 Individual Members, 3 Life/Honorary Members, 50 Corporate Members, 1 Platinum Partner (Total: 174)
• The National Delegation of Japan is headed by Mr Michio Kikuchi, Director-General of the 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 Taku Nishimura (Director of International Policy Planning Office, Ports and Harbours Bureau, MLIT)
• The homepage of the PIANC Japan website is available in English at http://www.pianc-jp.org/en

ACTIVITIES OF PIANC JAPAN

The activities of PIANC Japan in 2016 are listed below.

1. Attendance at Meetings

Attendance at the 75th and 76th Council meetings on February 5, 2016 and October 5, 2016, held in Brussels and Rio de Janeiro, respectively.

2. Participation in the AGA 2016

The Japanese delegates participated in the AGA 2016 between on May 17-19, 2016, held in Bruges, Belgium. Nine delegates from PIANC Japan attended the meeting.

3. New Vice-President from PIANC Japan

Mr Hayashida, Chairperson of PIANC Japan, was elected as new Vice-President of PIANC during the AGA 2016 meeting.

4. Participation in PIANC-COPEDEC IX 2016 in Brazil

At the same occasion of the ExCom and the Council, PIANC-COPEDEC IX was held in Rio de Janeiro, Brazil on October 16-21, 2016 with 452 participants from a variety of countries including those from developing countries. Participation by Young Professionals coming from Asian countries in particular, was encouraged with financial support from the Japanese National Section.

There were 10 participants from the Japanese National Section, of which of 7 persons were researchers from the Port and Airport Research Institute, the Universities of Kyushu and Waseda, and TOA Corporation, Platinum Partner of PIANC.

The Japanese researchers gave 5 presentations for the 4 sessions in the field of port and coastal engineering/environment, climate change and coastal zone, and coastal risk management for providing the conference with the mostly updated
input. PIANC Vice-President, Mr Hayashida, actively joined the session discussions as well. Mr Ono from Kyoto University, Japanese CoCom member, led one discussion as coordinator of the session ‘Port Planning and Management’.

Mr Ono as coordinator of the session ‘Port Planning and Management’

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 June 24, 2016 in Tokyo. The basic action plans of PIANC Japan were decided as below:

- Contribute to the activities of PIANC HQ through active participation in the formulation of a basic action plan of PIANC and others
- Contribute to PIANC’s 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 PIANC Japan members for contributing to the above actions
- Promote information exchange among PIANC Japan members
- Achieve organisational strengthening and enhancement of activities of PIANC Japan
- Achieve organisational enhancement of Young Professionals of PIANC Japan
- Increase benefits for the members of PIANC Japan

6. Planning Committee

The Planning Committee was held on June 3, 2016 to discuss about the following action plans:

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

Hiroshi Horikawa
Secretary of PIANC Japan

2016 Annual General Assembly meeting of PIANC Japan
2016 was a very good and active year for the Norwegian Section. Representatives from PIANC Norway, took part in international events like PIANC-COPEDEC in Rio de Janeiro, and the AGA in Bruges. We have also experienced an increased interest to take part and contribute to national conferences.

PIANC Norway has adopted PIANC International’s model by introducing the Platinum membership. Two firms have already joined as Platinum members, the international consultant firm ‘Norconsult’ and The Port of Borg.

The Board of PIANC Norway is proud to announce that our YP-Section is growing and is very active. Not the least thanks to Onno Musch, who has taken the responsibility for the Norwegian YPs by arranging several seminars and technical tours. At the end of 2016, PIANC Norway consisted of 63 Individual Members, 14 Corporate Members, 3 Honorary Members and 10 YP-Members in addition to our 2 Platinum Members. Our aim is to further increase the number of members in 2017.

In 2016, our members had the opportunity to take part in several technical seminars and workshops. The AGA in Bruges was attended by 6 delegates from Norway. It was a superb event, in a beautiful setting. For us the AGA is a perfect setting to meet friends and colleagues with a common interest in maritime infrastructure. Networking and exchange of knowledge between dedicated engineers, are always added value for our delegates.

PIANC Norway’s technical seminar was held in Longyearbyen in the high Arctic at 78° north with the Port of Longyearbyen as our host. The Port Director, Kjetil Braaten, contributed to make this seminar the most popular in decades. In addition to different technical lectures and presentations, we took part in technical tours, in which The Port of Longyearbyen was the main attraction. As with most PIANC events the social aspect is very important and popular. ‘The House’ in Longyearbyen, known for its exquisite cuisine and extensive wine cellar, was the venue for the gala dinner.
Technical visit at the Port of Longyearbyen

We also attended a beer-tasting session at the northernmost brewery in the world. The Svalbard Beer was indeed worth a taste – and a few pints! During autumn, PIANC Norway held a technical seminar on fenders and fender systems. One of PIANC International’s Platinum Partners, Trelleborg, was the main contributor and sponsor of the seminar. The programme was very well received by the participants.

The Annual Meeting was held at the end of November and was hosted and sponsored by the Port of Oslo. As usual, the board of PIANC Norway made the Annual Meeting more interesting by adding lectures and presentations on port infrastructure and coastal engineering.

At the Annual Meeting, the board of PIANC Norway underlined the importance of active members. We have introduced a financial support scheme to make it even more attractive for our Individual Members to attend Working Groups.

PIANC Norway expresses its gratitude to our international colleagues and ‘family’ members for their contribution in making 2016 such a good year for our ‘congregation’. We are already preparing for the AGA in Cairns and NordPIANC in Stockholm!

2016 has been a year with many activities for YP-Com Norway, from active recruitment at the annual student career fair to interesting and social events for both existing members and potential recruits.

The Coastal Engineering Day, on May 26, 2016 brought together the coastal engineering professionals and students from NTNU to discuss new developments in the field, as well as focusing on the academic options and possibilities for coastal engineering in Norway. The day ended with the ‘Best Master Presentation’ competition, where master students presented their papers and participants voted on the best presentation. Congratulations to Athul Sasikumar for his winning presentation!

In August, YP-Com Norway arranged a technical visit to the Kongsberg Maritime ship-simulator facilities where participants were able to try out various simulations of shipping scenarios. After the technical visit participants were invited to dinner at the newly opened Dahls Brewery.

Thank you to all those who participated in the events and let’s keep it up in the coming year!

Fridtjof Wangsvik
First Delegate of PIANC Norway
ACTIVITIES IN 2016:

Participation in Working Groups (WG):

1. WG 184 – ‘Design Principles for Dry Bulk Marine Terminal’
2. WG 164 – ‘Upgrade of Port Berths by Increasing Dredged Depths’
3. WG 194 – ‘Composite of Hydraulic Structures’
4. WG 178 – ‘Climate Change’
5. WG 186 – ‘Mooring of Large Ship of the Quay Walls’

Participation (Prof. R. Ciortan) in the PIANC-COPEDEC IX Conference in Rio de Janeiro, Brazil

Participation in the XIII National Conference on Geotechnics and Foundation on September 7-10, 2016 in Cluj, Romania: two papers on port infrastructure

Romeo Ciortan
First Delegate of PIANC Romania
2016 was a good year for PIANC Singapore. Significant milestones, like being awarded the title of the Qualifying Member, were achieved, several networking sessions were organised and a technical exchange were organised. Let’s take a look back at the key events organised by PIANC Singapore which took place locally.

The most momentous milestone which was reached, was the establishment of PIANC Singapore as a Qualifying Member. In June, two major local companies became Corporate Members – Jurong Port and Surbana Jurong, of which two individuals were appointed as Secretary and Delegate for PIANC Singapore: Mr Yang Zi Qian and Ms Yeo Ying Sze. This membership will enable the committee to take a step further to establish a greater presence locally, as the team is working towards setting up a National Section in Singapore.

One of the efforts from PIANC-YP Singapore to bring together people from the marine industry was to organise a networking event held in Sentosa Broadwalk. This event allowed professionals in the industry with various background to meet each other and share their knowledge and experience. It was a special day as they had the honour to welcome the Secretary-General of PIANC, Louis Van Schel, as well as Chairperson of YP-Com, Pablo Arecco, to grace the event. Their attendance confirmed the success of the event and the efforts of local YP-Com in creating an influence and awareness of PIANC in Singapore. To top it off, Pablo took this opportunity to officially share the role and products of PIANC, the structure of the local organisation, as well as to discuss the future plans of PIANC on the international level.

One of the goals of PIANC as an organisation is to provide a platform for sharing technical knowledge. As it has always been in the PIANC YP’s heart to wanting to provide opportunities for knowledge sharing, they organised a technical exchange event by Mampaey on the topic of Intelligent Auto-Mooring Systems (iDL). This automation mooring system is a relatively new topic to be introduced in Singapore, so it provided a fresh perspective on the future technologies in the marine sector. The talk by Mampaey definitely inspired players in the industry and led to very interesting discussions between the audience and the presenter.
Moving forward, the official PIANC members in Singapore held a meeting to wrap up the year and discuss about the future plans. The team is eager to organise more technical talks and site visits in 2017 and to forge greater ties with the educational institutions and the industry. This way, PIANC Singapore want to be in line with the objectives of PIANC – joining forces around the world to facilitate the growth of waterborne transport.

PIANC Singapore Committee meeting at the end of 2016
(On the left row from the front: Ms Yeo Ying Sze, Mr Yang Zi Qian, Ms Vera Wong; on the right row from the front: Mr Poh Khian Meng, Ms Ricia Lee, Mr James Lam, Mr Tommy Phun)

Yang Zi Qian (Zi)
PIANC Singapore
How fast this year has fleeted by, at a time of so many hardships and uncertainties! Faced with challenging economic times, the local (and global) maritime sector has had its fair share of hardships and this may still linger on. Yet in the face of adversity, many local marine and coastal engineering specialists find themselves soldiering on and fortunate to be busy with interesting and demanding assignments.

At a time when the economy is depressed, the port sector has contributed positively to this situation. This contribution is the pursuance of numerous infrastructure projects port-wide. The intention of this strategy is twofold, firstly to provide much-needed opportunities for work and activity, and secondly, to provide port infrastructure and capacity ahead of demand. Many notable projects are in the execution or feasibility stages across the South African port system some of which include: the General Maintenance Quay Upgrade in the Port of Saldanha; Refurbishment of Ship Repair Infrastructure and Equipment at a few ports; a new Admin Craft Basin in the Port of Ngqura and the Berth Deepening Project in the Port of Durban.

The PIANC South African National Section has also enjoyed a busy period with the Young Professionals (YP’s) leading the way. But first some information on the National Section.

National Section

Membership remains healthy and consistent with the past years. At present, the National Section has 46 members with at least 15 of them being YP’s - this bodes well for the sustainability of the Section. One Corporate Member must be noted.

The annual meeting was held mid-year in Stellenbosch and was well represented. As usual, the meeting stimulated robust discussion and resulted in a few important discussions being held:

- Election of Office Bearers:
  - Vice-Chairman – Mr Kobus Rossouw
  - Treasurer – Dr. Andre van Tonder
  - Secretary – M. Magenthran Ruthenavelu
  - YP Representative – Mr Kishan Tulsi
  - Linkage to SAICE Railways and Harbours – Mr Keith Mackie and Mr Arie Burggraaf

- Hosting of the WG 178 Seminar in Stellenbosch in September.
- Awareness of the new Marine Division of the South African Institute of Civil Engineers being chaired by Mr Keith Mackie

YPs have had numerous successful events in the past year, some of which are highlighted below.

Dredger Visit

An opportunity was made available for a small group of engineers to board a grab dredger whilst she was busy in the Port of Cape Town. This was a great learning experience for the group to get up close and personal with the dredger and experience the operations and control of the new working dredger first hand.
Fender Talk by Trelleborg

A huge thank you goes out to Trelleborg for sponsoring a fantastic event which was attended by over 80 engineering professionals. In a lovely setting in Cape Town, fender experts from Trelleborg took the group through a series of theoretical and practical talks relating to:

• the latest docking and mooring technology
• fender quality and updated specifications
• fender types
• designing concepts and
• how to identify low quality fenders

Site Visit: Quay Upgrade

More than 20 YPs travelled almost 120 km to the Port of Saldanha for a technical presentation of the quay upgrade followed by a walk through the construction site. The group was fortunate to have the Lead Design Engineer talk them through the design and specification process and the Construction Manager to give a ‘contractor’s perspective’ of the works and activities on site. An informative site tour was held witnessing the various activities on site such as sheet piling, concrete placement, dredging and earthworks just to name a few.

WG 178 Seminar

Thanks to Ms Marli Geldenhys (YP member of WG 178) for spearheading the initiative of hosting a seminar at the Annual Ports and Coastal Engineering course at the University of Stellenbosch. This one-day seminar was attended by more than 140 course attendees who took a keen interest in the various presentations made around Climate Change and its implications for port and coastal infrastructure. A number of industry specialists volunteered their time to talk at the seminar and gave insightful presentations on this important topic. A comprehensive article was prepared and shared with WG 178 for their consideration.

Climate Change Adaptation for ports and navigation infrastructure

When: 09:00 Thursday 15 September 2016
Where: STIAS Stellenbosch

To determine the status of climate adaptation activities in Southern Africa and report back to the WG 178.

ACKNOWLEDGEMENTS

The National Section owes much gratitude to the two ladies that have been devoting their time and effort in supporting the local PIANC activities, Ms Jennifer Weber and Ms Annamarie Zeelie – a hearty thank you!

Thank you to all the sponsors and presenters through the year, your contributions are treasured and most appreciated.

And finally...

Wishing all of you a peaceful and restful holiday season and a productive and prosperous 2017!

Magenthan Ruthenavelu
Secretary of PIANC South Africa
TECHNICAL WORKSHOP: ‘USE OF CONCRETE IN MARITIME WORKS’

March 1, 2016. Instituto Eduardo Torroja (Madrid)

Co-organised: PIANC Spain (ATPyC) and the Scientific Association of Structural Concrete (ACHE)

Four technical papers and a final round table were presented, covering several aspects about the use of concrete in maritime works (projects, construction methods, properties of the materials, developments and new solutions, etc.). 100 participants attended the event.

L-R: Mr Francisco Esteban Lefler (President of the Spanish Section), Mr José Romo (President of ACHE)

XIII TECHNICAL SESSIONS OF YP-COM SPAIN

The Spanish Young Professionals organised the 13th edition of the ‘Technical Sessions for Young Professionals’ in Seville (June 1-2, 2016), in close co-operation with the Port Authority of Sevilla. The election process for the new YP-Com of the Spanish Section was organised during this event. Over 85 participants attended the event. The sessions analysed a wide range of topics related to port and coastal design, construction and management, including a visit to Sevilla Port facilities.

L-R: Mr Francisco Esteban (President of the Spanish Section), Ms Pilar Parra (Chairman of YP-Com Spain), Mr Angel Pulido (Chairman of the Port Authority of Sevilla)

L-R: Mr Antonio Aguado, Mr Luis Peset, Mr Manuel Arana Burgos, Mr Hugo Corres and Mr Antonio Comedor
The Spanish Annual General Assembly took place at the Headquarters of Puertos del Estado in Madrid on June 22, 2016.

The most important points on the agenda were the following:

- Report 2015 – Activities of the National Section (President and Secretary)
- Annual fees for 2017
- Budget approval
- Report of the activities of the Technical Committees
- Report of the activities of the YPs
- Modesto Vigueras Award 2016:
  - Abel San Romualdo Collado: ‘Environmental System for the Management of Water Quality in Marinas and Fishing Ports’
- Strategic Plan 2014-2025
- Conference: ‘Chairing PIANC’s Working Groups’
  - Francisco Esteban Lefler, Chairman of PIANC MarCom
  - David Pino Roca, Chairman of PIANC WG 152 – ‘Guidelines for Cruise Terminals’
  - Ignacio Sanchidrián Vidal, Chairman of PIANC WG 172 – ‘Design of Small and Medium LNG Terminals Including Bunkering Facilities’

The most important activity of the Spanish National Section in 2016 has been the organisation of the 6th National Congress, in co-operation with
Puertos del Estado (Ministry of Public Works) and the Port Authority of Baleares. The event took place on October 19-21, 2016, and the chosen venue was Palma de Mallorca (Balearic Islands). According to the port activities of the port of Palma, the main topics focused on the cruise sector, recreational navigation, port-city developments, technical aspects of the design of maritime works, use of LNG, etc. The presented papers were published in the Congress Book.
In 2016, the Swedish Section of PIANC consisted of 31 members, among which 22 were Individual Members and 9 were Corporate Members.

On March 10, 2016, the Swedish Section held its Annual Meeting. Following the tradition, the meeting was hosted by the Port of Gothenburg. After the formal Annual Meeting, Axel Andersson from SSPA gave a very interesting presentation about simulations of vessel traffic according to the Monte-Carlo Model.

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

- Nikol Nielsen Gulis (Port of Gothenburg)
- Jim Sandkvist (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 (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 of PIANC, the Swedish Confederation of Transport Enterprises, Ecoloop, and the Port of Trelleborg arranged a port conference in Trelleborg in the beginning of October. Of course, PIANC’s Platinum Partner Trelleborg – named after the city – also attended the conference. The conference gave an overview of the most current topics when it comes to construction of ports and fairways and the event was an opportunity to meet colleagues in the industry. Among other topics, there was a presentation about PIANC as an organisation, as well as a presentation by Onno Musch from Norway/the Netherlands regarding the ongoing work with the new ‘Guideline for Climate Change Adaption for Ports and Waterways’ – PIANC WG 178. The conference was fully booked in advance and over 100 participants from ports, consulting firms and government agencies attended.

In November 2016, Nikol Nielsen Gulis held a presentation about PIANC at the Trelleborg Smarter Approach Technical Seminar in Gothenburg.

Jon Granstedt
First Delegate of PIANC Sweden
At the beginning of 2016 the Dutch Section consisted of 180 members, among which:

The Dutch Section organised two events in 2016 for its members and associates.

The first event was held on April 14, 2016 and was organised around the theme of ‘Transport of the Future’. During the event, three visionaries from different areas of the field of work shared their prospect for the future of transport over water.

Topics like robotics, autonomous sailing and a changing economy were touched upon in the talks. With stimulating tenets, the audience was able to participate during the event by voting on different statements. The input of the audience combined with the presentations of the visionaries gave the 90 attendants a glimpse of the expected future of transport over water.

The second event was organised by Van Oord and provided an insight on the prospects in the dredging industry worldwide. They also gave a presentation about the expansion of the Suez Canal. The evening was attended by around 70 people from a broad range of work fields.

The Dutch Young Professionals had a very successful year with 3 activities and 1 promotional event at TU Delft for the community of the Hydraulic Engineering master. The traditional Working Group Event was hosted in the beginning of the year in Utrecht. Two interesting presentations were given by Young Professionals:

- **InCom Working Group 154** – ‘Mitre Gate Design and Operation’, by Jos Vorstenbosch-Krabbe

The evening was very well attended by both young and ‘older’ PIANC members, with more than 50 participants.

Young PIANC Belgium and the Netherlands organised a combined visit for 40 attendees to a newly built terminal for monopiles (foundation for wind turbines) at the reclaimed area of Maasvlakte 2. This new terminal is an expansion of the existing Cif-group facilities in the Netherlands. The 500-metres long deep-sea quay wall consists of an 18-metres wide concrete relieving floor and a substructure comprising a combined wall, concrete foundation piles and 60 metres long steel tension piles. With a retaining height of 30 metres and a surface load of 10 tonnes per square metre, it is one of the world’s largest quay walls. The quay wall is designed for the largest jack-up vessels operating in the North Sea. The visit ended with a dinner for the attendees.
On July 1, 2016, the yearly Young Holland Ports event took place during the DelfSail 2016 event in the harbour of Delfzijl, Groningen. For the event, a special waterside location was arranged in the floating dock of Royal Niestern-Sander in which a container ship was being built at the moment. During the event, interesting lectures were given on the impact of modern shipping on the climate and the necessity of energy transition in the shipping business. Next to that, there was plenty opportunity to see the tall ships that had gathered in the harbour from up close.

For more information visit www.pianc.nl or send an email to sec-pianc@deltares.nl.

Johan Boon and Remi van der Wijk
PIANC Netherlands Secretariat
LIST OF DELEGATES IN 2016

**Board of Directors**
Atty. Juan C. Sta. Ana
Eng. Tomas B. Carlos
Mr Raul T. Santo
Mr Armando L. Guzman

**First Delegate**
Atty. Jay Daniel R. Santiago
PPA, General Manager

**President**
Eng. Apollo S. Enriquez
PPA, Board Member

**Vice-President**
Atty. Nicasio A. Conti
PPA, Board Member

**Secretary**
Mr Hector E. Miole
PPA, AGM for Operations

**Treasurer**
Mr Joel Piñon
J.C. Piñon Construction, Inc.

COMMISSION REPRESENTATIVES

**Environmental Commission (EnviCom)**
Alternate Delegate
Eng. Reynand C. Parafina
PPA Department Manager

**Maritime Commission (MarCom)**
Alternate Delegate
Eng. Reynand C. Parafina
PPA Department Manager

**YP-Com Observer**
Eng. Christopher H. Ocum
PPA Principal Engineer A

**Young Professional Commission (YP-Com)**
Main Delegate
Eng. Christopher H. Ocum
PPA Principal Engineer A

**Alternate Delegate**
Eng. Adrian P. Cayanan
PPA Principal Engineer A

**Activities**

On June 2014, the former General Manager of the Philippine Ports Authority (PPA), Atty. Juan C. Sta. Ana, together with the former Assistant to the General Manager for Special Projects, Mr. Hector E. Miole, attended the 33rd PIANC World Congress in San Francisco 2014. After attending the said conference, they saw the importance and benefit that it will give PPA to join PIANC. GM Sta. Ana immediately informed Secretary-General Van Schel that PPA would join PIANC as a Corporate Member.

The 1st PIANC Philippines workshop, hosted by PPA, was held in October 2014 at the Traders Hotel. This event was attended by engineering managers of PPA, consultants, stakeholders, such as Asian Terminal Incorporated (ATI), ICTSI, etc. Moreover, the nomination and election of officers for PIANC Philippines took place during this event: Eng. Apollo S. Enriquez was elected as the first President of PIANC Philippines.

PIANC Philippines and PPA continuously support PIANC activities by organising seminars and events in the Philippines, such as the following:

- April 12-15, 2016: the 2nd PIANC YP-Com Asian Seminar, held in the Philippines and jointly organised by PPA and PIANC Philippines, was attended by about 80 international and local participants. The event was supported by sponsors from the local and foreign companies such as Trelleborg, Tencate Philippines and FW-Nicol.
- July 12-13, 2016: the PPA, together with PIANC Philippines, organised a two-day seminar/workshop about climate change awareness and adaptation for ports and harbours, which was held at the 7th Floor of the PPA Corporate Building, Metro Manila. Professionals from the different parts of the country joined to exchange knowledge and experiences about climate science. In total, there were about 40 participants from around the archipelago and some other countries, such as the Netherlands, UK and Australia.
• November 20, 2016: a YP-Com meeting was held at the 7th Floor of the PPA Building, which was attended by about 30 YP members/guests. Highlights of the meeting were updates from the YP-Com meeting held in Brazil, the 6th BTV in Australia and the proposed YP-Com Christmas Party 2016.

• December 22, 2016: the Annual General Assembly was held at the 7th Floor of the PPA building. The said event also included the members’ Christmas party, as well as the election of officers of YP-Com. YP-Com Delegate, Eng. Christopher Ornum, was elected President of the Young Professionals Commission in the Philippines.

PIANC Philippines, together with PPA, would like to assure that it will continuously support upcoming events of PIANC.

Two-Day Seminar/Workshop about ‘Climate Change Awareness and Adaptation for Ports and Harbours’

On July 12-13, 2016, the PPA, together with PIANC Philippines, organised a two-day seminar/workshop about ‘Climate Change Awareness and Adaptation for Ports and Harbours’ at the 7th Floor of the PPA Corporate Building, Metro Manila. Professionals from different parts of the country joined to exchange knowledge and experiences about climate science. In total, there were about 40 participants from around the archipelago and some other countries, such as the Netherlands, UK and Australia.

The event featured Presentations about climate science and gave us an overview about the PIANC Working Group 178 entitled ‘Climate Change Adaptation for Maritime and Inland Port and Navigation Infrastructure’, mentored by Mrs Jan Brooke of PIANC UK. WG 178 increasingly acknowledges 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.

“This leads to the conclusion that the climate change challenge can best be addressed in the broader context of sustainable development. The linkages between climate change and the three pillars of sustainable development – environment, social, and economic – are numerous and deserve in-depth, expert discussion. It is our hope that this workshop can play small part in this regard.”, PPA, AGM for Engineering, for his part, said.

The two-day seminar brought together experts from government agencies, such as the Department of Environment and Natural Resources (DENR) and private sectors, such as the Asian Terminal Inc., World Bank, etc.

Christopher Ornum
Young Professional PIANC Philippines

The PPA, in coordination with PIANC EnviCom, hosted the two-day seminar on ‘Climate Change Awareness and Adaptation for Ports and Harbours’. PPA GM Jay Daniel R. Santiago and Mrs Jan Brooke of PIANC UK graced the event.
PIANC UK COMMITTEE MEMBERS IN 2016

- 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
- Chris Boysons
- Paul Datson
- David Byrne
- Howard Richings
- Mike Thom
- John Lovell
- Nigel Bodell
- Ian Gillespie
- Christian De Meyer
- Stuart Byrne
- Tim Beckett
- David Middlemiss
- Heather Armour
- John Berry
- Laure Herbert
- Ian Cruickshank
- Steve Osborn
- Tally Mairs (nee Watson)
- Graham Holland
- Fran Littlewood

- William Evans – joined 2016 AGM
- Mark McBride – joined 2016 AGM
- Borbala Trifunovics – joined 2016 AGM

UK MEMBERSHIP

The membership of PIANC UK has increased slightly over the past year. The current membership is as follows:

- 188 Individual Members: 1 Honorary Member, 5 Life Members, 38 YPs and 144 Full Individual Members
- 24 Corporate Members: 6 large, 18 small

COMMITTEE

The UK Committee met four times in the course of the year. In addition to its focus on representation on international Working Groups and educational events in the UK, a number of initiatives were put in place. The UK Committee continues to make it easier for those outside London and the south east of England to access seminars and other events. With this in mind, a well-attended seminar and site visit took place in Hull in September 2016 to see the new Green Port development jointly with ICE Yorkshire. This is being undertaken by Associated British Ports and Siemens to build the new service wharf and blade manufacturing centre for the next generation of North Sea windfarms. Plans are being developed for further regional events in 2017.

During the last year, the membership of the UK Committee has changed. At last year’s Annual General Meeting, six candidates put themselves forward for election to the UK Committee. The three successful candidates, all YPs, were David Middlemiss of HR Wallingford, Heather Armour of CH2M Hill and Laure Herbert of Mott MacDonald. The Committee decided to co-opt Graham Holland of The Canal & River Trust (now replaced by Fran Littlewood following Graham’s retirement) and Jordan Gillespie (YP) of Boskalis. As a result, the inland waterways of England and Wales are now represented again and there are now five YP members on the UK Committee. Efforts to ensure that the UK Committee is more representative of the members and of the wider industry will continue. In particular, further representation from the ports would be most welcome.

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, Andrew Wareing on YP-Com and Christian de Meyer on ProCom. The involvement of PIANC UK with PIANC International and the Working Groups is principally coordinated 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 3 MarCom and 3 InCom Working Groups.

SEMINARS AND EVENTS

Three PIANC half-day seminars, two evening seminars, one conference and one site visit were held during the year and these continue to be popular with members and guests, particularly the evening YP seminar:

- March: Seminar – ‘Climate Change Adaptation for Ports and Navigation Infrastructure’
- September: Visit to the Hull Green Port and evening seminar – ‘Maritime Projects in Yorkshire & Humberside’
- October: PIANC UK Young Professionals Evening Seminar
- November: Seminar – Port Operations

PIANC UK was represented by a delegation of six members at the PIANC Annual General Assembly in Bruges, Belgium in May 2016. In addition to the normal AGA business, the Port of Zeebrugge, organised a comprehensive tour of the port and its ferry terminals.

At the Annual General Meeting held in November at the ICE London, which was attended by the President, the Secretary-General and the designate Secretary-General of PIANC, a presentation was made by Greg Haigh on behalf of PIANC UK to Louis van Schel to mark his retirement and his contribution to PIANC over the past few years.

REPORT YPs UK – SEPTEMBER 2016 EVENT

The annual PIANC UK Young Professional’s (YP) evening seminar was held on October 19, 2016 and the event was attended by around 80 YPs – another great turnout.

Young Professionals from leading UK maritime industry were invited to present on projects they have influenced, and provide an insight into the contribution they are making to the industry, as well as some specific challenges they have overcome.

The format for this year followed a similar format to the previous year’s event, with a total of 6 presentations on a wide range of topics relevant to water infrastructure.

The challenge was set: to deliver a ‘snappy’ presentation to the audience, comprising of a total of 20 slides with only 15 seconds available for each slide! Given the wide range of topics presented, this proved more of a challenge to some than others – but all of the 6 presentations made were delivered well, and appreciated by the audience.

The first presentation was given by Josh Groom of Proserve; he discussed the use of concrete formwork and the construction of a wharf using the landfill method, for the development of two new container berths in Haiti and Guatemala.
to accommodate the new Panamax size container ships.

The second presentation came from Olwen Rowslands, based in CH2M’s Swindon Office. She has worked closely with Network Rail over the last two years to deliver the Geo-Environmental Resilience Study for rail infrastructure from Exeter to Newton Abbot.

Maria Garcia-Mateo delivered the third presentation. Maria works for Ramboll and has recently been involved with the regeneration of Southampton’s waterfront at Mayflower Park and Trafalgar Dock.

Lucas Ginestet provided the fourth presentation, and discussed some of HR Wallingford’s work looking at the challenges of operating, assessing and modelling marine facilities in icy parts of the world.

Tim Johnson provided the fifth presentation, and covered CH2M’s work on inspecting the Thames Barrier and ensuring its operability until at least 2070.

The last presentation was given by Dr Ed Rodgers, of Marico Marine who discussed the marine navigation hazard assessments and methods by which they are undertaken, and used the Central Thames as a case-study.

The PIANC YP Committee once again would like to thank all those who presented, and also those who attended for providing some interesting questions and discussions.

If you would like access to the presentations given during the evening, they can be found at:  http://www.pianc.org.uk/events.html

The PIANC YP Committee looks forward to organising the next YP event - if you have any ideas, or suggestions for PIANC YP events please get in touch:  katherine.coldwell@ice.org.uk.
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 January 2016, we welcomed two new members of the U.S. National Commission: Lillian Almodovar, a USACE retiree and lead on Latin American outreach, and Ron Coles of W.R. Coles and Associates.

The leadership in 2016 consisted of:

- Chair, The Honourable Jo-Ellen Darcy, Assistant Secretary of the Army (Civil Works)
- 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:

- Mr Ron Coles, Principal, W. R. Coles and Associates
- Ms Lillian Almodovar, Retired, US Army Corps of Engineers
- Mr Mike Leone, Retired Port Director of the Massachusetts Port Authority
- Mr Edward Schmeltz, Senior Vice-President of PIANC, AECOM
- Ms Helen Brohl, Executive Director of the U.S. Committee on the Marine Transportation System
- Mr Nicholas Pansic, Vice-President, MWH Energy and Industry now part of Stantec
- Mr James Marino, President, Taylor Engineering, Inc.
- Ms Jessica McIntyre, Project Engineer, Moffatt and Nichol

The U.S. Commission held two meetings in 2016 (one in January in Washington D.C. at the Transportation Research Board conference and one in June in New Orleans, LA at the PORTS Conference). These were supplemented with several teleconferences.

US YOUNG PROFESSIONAL

MATTHEW MCCARTY WINS THE DE PAEPE-WILLEMS AWARD

Matthew McCarty, P.E., S.E. was the winner of this year’s PIANC USA De Paepe-Willems Award for his technical paper on ‘Large Diameter Fiber Reinforced Polymer Monopile Dolphin Systems for Ferry Berths’. The paper explores the benefits of composite-material monopile dolphins over conventional timber pile dolphins for ferry boat berthing operations. McCarty presented his winning paper to members of the PIANC Annual General Assembly on May 18, 2016 in Bruges, Belgium.

PIANC USA ACTIVITIES AT THE PORTS 2016 CONFERENCE

PIANC USA partnered with ASCE-COPRI (American Society of Civil Engineers- Coasts, Oceans, Ports, and Rivers Institute) on the PORTS 2016 Conference, which was held June 12-15, 2016 in New Orleans, Louisiana. The theme of the conference was ‘Ports: Gateways to a World of Opportunities’, and attendance was excellent, with over 600 participants.

PIANC USA First Delegate, the Honourable Jo-Ellen Darcy, spoke at the Opening Plenary Session. She introduced PIANC to this broad audience, emphasising the benefits of participation in international technical Working Groups. She also discussed in some detail PIANC’s Think Climate Initiative and the ‘Navigating a Changing Climate’ Action Plan. She encouraged all to learn more about PIANC and specifically invited everyone to attend the PIANC Technical Breakfast.

The PIANC Technical Breakfast was held on Tuesday morning and it attracted a room full of people. The programme was kicked off by Ms Darcy
and PIANC USA President, MG Donald E. Jackson, gave an introduction to PIANC. Commissioners Nick Pansic of MWH Global (now part of Stantec), Mike Leone of HNTB and retired Director of the Port of Boston, and Ron Coles, Principal of W.R. Coles & Associates led a panel discussion focused on TG 181 - ‘The State and Perspectives of Waterborne Transport Infrastructure Worldwide’. Nick Pansic presented the TG 181 Charter and some preliminary results and participants were given a short questionnaire on ‘The Future of Waterborne Transport Infrastructure’. Ron Coles discussed the economic value of inland waterway transport, with reference to a case study of moving rocket engines on the Tennessee-Tombigbee Waterway. Mike Leone discussed the challenges of preparing ports for larger ships and more cargo, using the Port of Miami as a case study. A general discussion followed. PIANC USA YP representatives Andrew Thomas and Chris Siverd explained YP-Com and the event coming up on June 23-24, 2016 in Washington, DC and Baltimore, Maryland. PIANC USA Commissioners also held a meeting in conjunction with the Ports Conference, and a joint lunch with the COPRI Board.

Another PIANC USA member, Dr. Todd Bridges, spoke on a panel at the Closing Plenary Session. The topic was Resilience, which presented an opportunity for Dr. Bridges to discuss the new PIANC Task Group 193 - ‘Resilience of the Maritime and Inland Waterborne Transport System’.

PIANC USA activities at the 9th International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC)

The 9th International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC) was held in Rio de Janeiro on October 16-21, 2016 in conjunction with PIANC. There were a number of PIANC USA members in attendance including PIANC USA Commissioners Helen Brohl, Ed Schmeltz, and Lillian Almodovar and staff from USACE IWR and ERDC.

The conference began with a PIANC Council Meeting on October 15, where topics of discussion included changes to PIANC Rules and Regulations, updates of the Think Climate Coalition, and upcoming conferences. Short courses were held on October 16 and the conference officially began on October 17 with the plenary address being given by Dr. Todd Bridges (ERDC) on ‘Adaptation to Climate Change in the Port and Navigation Sector’.

Kevin Knight and Lillian Almodovar held a PIANC workshop on October 18 to administer a questionnaire to determine what participating member countries perceived the biggest challenges and opportunities of waterway transportation for the future.

On October 19, a number of technical tours were held throughout the city. Helen Brohl (CMTS and PIANC USA Commissioner) was a panelist on a workshop entitled ‘Inland Navigation and a More Sustainable Use of Natural Resources: Networks, Challenges and Opportunities for South America’. Technical presentations continued for the next two days with the conference ending on October 21.
PIANC USA ACTIVITIES AT THE AAPA 25th LATIN AMERICAN CONGRESS

In late November 2016, Kevin Knight and Ron Coles participated in the American Association of Port Authorities’ (AAPA) 25th Latin American Congress in Mérida, Mexico. Nearly 500 representatives 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 in the Next 25 Years’. Panel sessions highlighted recent trends in trade, regulations, logistics, trade agreements, shipbuilding and port operational practices and capital improvements throughout Latin America, including an update of the recently-completed Panama Canal expansion and the consequences of the expansion.

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. In addition, PIANC USA Commissioner, Ron Coles, delivered a rousing presentation on the recently-published PIANC Working Group Report 158 – ‘Master Plans for Existing Ports’. In doing so, Ron also encouraged greater participation in PIANC Working Groups and in PIANC overall. Many port officials and policy makers among the AAPA Latin Congress have already contacted Ron and expressed a strong interest in helping PIANC. The next annual Latin American Congress is scheduled to take place in Punta del Este, Uruguay in early-December 2017.

PIANC USA YOUNG PROFESSIONAL EVENTS IN BALTIMORE, MD AND WASHINGTON, DC

PIANC USA Young Professionals (YPs) attended a number of events beginning on the evening of June 22 through June 24 in Washington, DC, and Baltimore, MD, in conjunction with the ‘From Sail to Satellite: Delivering Solutions for Tomorrow’s MTS’ Fourth Biennial Research and Development Conference, co-hosted by the Committee on the Marine Transportation System and the Transportation Research Board of the National Academies of Sciences. On the evening of June 22, YPs joined participants of the conference and several PIANC USA commissioners on a boat tour of the Potomac River. On June 23, they were given a tour of the 9/11 Memorial and the Pentagon and spoke with the Assistant Secretary of the Army for Civil Works, the Honourable Ms Jo-Ellen Darcy. Following this, they were given a tour of new developments in Southwest D.C. at the Wharf by Michael Bruce and Jessica McIntyre (who is also a PIANC USA Commissioner) of Moffatt & Nichol followed by a networking social hour at the Capital Yacht Club.

On June 24, the YPs took a trip to Baltimore where they were given a tour of Baltimore Harbor (hosted by the Baltimore District, Colonel Chamberlayne, and the Maryland Port Administration); a tour of the Maritime Administration U.S. Reserve Fleet Roll-on/Roll-off ship named Cape Wrath; and a tour of the U.S. Coast Guard Surface Forces Logistics Center. Approximately 30 Young Professionals took part in the various activities that took place throughout the three days.

PIANC USA SPONSORS BARBECUE

The Women’s Aquatic Network (WAN), the U.S. Committee on the Marine Transportation System (CMTS), and PIANC USA hosted the 2016 Barbecue in Washington, DC, at the Capital Yacht Club. The purpose of the event is to recognize and celebrate the marine transportation community. This was the second year of sponsorship from PIANC USA. PIANC USA is interested in demonstrating the value of and developing an interest in PIANC to the many Young Professionals who attend WAN events. PIANC USA Commissioner Helen Brohl (CMTS Executive Director) was in attendance.

CELEBRATING PIANC USA WORKING GROUP MEMBERS’ EFFORTS

PIANC USA awards certificates each year to thank U.S. members who served on Working Groups which completed their reports in that year. The certificate is signed by the Assistant Secretary of the Army (Civil Works) and the Deputy Commanding General, Civil and Emergency Operations, and framed with the PIANC USA coin mounted below. Since the mission of PIANC is to provide expert guidance and technical advice by bringing together the best international experts to produce high quality technical reports, the U.S. Section felt it was important to highlight the efforts that its members have contributed. The following U.S. Members served on Working Groups which completed their reports in 2016:

- InCom WG 139 – ‘Values of Inland Waterways’ – David Grier
- MarCom WG 144 – ‘Classification of Soils and Rocks for the Maritime Dredging Process’ – Gregory A. Saders and Majid Yavary
- MarCom WG 152 – ‘Guidelines for Cruise Terminals’ – Gary Ledford, Andrew McTigue Pedrick, and Don Oates
- RecCom WG 149 (Parts I & II) – ‘Guidelines for Marine Design’ - Jack Cox
- MarCom WG 172 – ‘Design of Small to Mid-Scale Marine LNG Terminals Including Bunkering’ - Bob Beasley and Marc Percher
- MarCom WG 153 – ‘Recommendations for the Design and Assessment of Marine Oil and Petrochemical Terminals’ – Ron Heffron (Chair), Gayle S. Johnson, and Martin L. Eskijian
- MarCom WG 162 – ‘Recommendation for Increased Durability and Service Life of New Marine Concrete Infrastructure’ – Thomas Spencer
- MarCom WG 196 – ‘Criteria for the Selection of Breakwater Types and Their Related Optimum Safety Levels’ – Jeffrey Melby
REPRESENTATIVES TO INTERNATIONAL COMMISSIONS

The U.S. Section is represented by Principal and Alternate Members of the Commissions managing technical Working Group activities. In 2016 the U.S. representatives were:

- Inland Navigation Commission (InCom) – Dr. Craig Philip, Vanderbilt University, Jose Sanchez, U.S. Army Corps of Engineers, ERDC, Young Professional Representative: Brian Ball, City Engineer, Mount Vernon, OH.
- International Cooperation Commission (CoCom) – Kevin Knight, USA Army Corps of Engineers, Abbas Sarmad, AECOM, Edward Schmeltz, AECOM, serves as the Co-Chair of the Commission.
- Promotion Commission (ProCom) – Anne Cann, USACE and Nicholas Pansic, MWH
- Young Professionals Commission (YP-Com) – Dr. Jason Giovannettone and Chris Siverd.

Anne Cann & Emily Vuxton
PIANC USA Secretariat
1. BRIEF OUTLINE OF KEY ISSUES AND CHALLENGES ADDRESSED IN THE EVENT

The 9th Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC) was held in Rio de Janeiro on October 16-21, 2016. The PIANC-COPEDEC IX Conference registered 452 delegates, coming from 37 countries, including Brazil. 54 fellowships were granted to authors from developing countries. The most represented countries, on delegates count, after Brazil, were the Netherlands, the United States of America, India, France and Japan.

Among the participants were professionals of port and maritime infrastructure, suppliers of port and navigation sectors, consulting firms, maritime contractors, dredging companies, environmental specialists, researchers and students. Therefore, PIANC-COPEDEC IX was an excellent opportunity for professionals in the coastal, port and navigation businesses to meet.

The objectives of the conference were to provide an international forum where coastal and port engineers from developing countries can exchange knowledge and experiences amongst themselves and with their colleagues from industrialised countries and to enable developing countries to have a sustainable resource pool of coastal and port development professionals.

The event had 43 sponsors and 7 supporters. The overall theme of PIANC-COPEDEC IX was ‘Enhancing Waterborne Transport and Coastal Development – The Challenge of Reaching Integrated Solutions’. The conference had eight discussion topics: Port Engineering, Port Planning and Management, Inland Navigation, Short Sea Shipping and Coastal Navigation, Coastal Engineering, Coastal Zone and Coastal Risk Management, Port and Coastal Environmental Issues, Climate Change and Port and Waterborne Transport Logistics and Multi Modal Transport.

2. KEY MESSAGES, OUTCOMES AND RECOMMENDATIONS

During the opening ceremony of the conference, Mr Geoffrey Caude, President of PIANC, pointed out the main activities performed by PIANC over the past years, its mission and projects. He highlighted the connections between the conference and PIANC publications and mentioned ports and waterways as pillars for ANTAQ and for PIANC.

Among the keynote speakers were the Director-General of National Waterway Transportation Agency – ANTAQ, Mr Adalberto Tokarski, the Director of the Center for Contaminated Sediments (CCS) and Program Manager for the Dredging Operations Environmental Research (DOER) program, Mr Todd Bridges, and the chairman of the
Mr Adalberto Tokarski gave a presentation on the Brazilian port and navigation sectors and depicted ANTAQ’s role on such areas. Mr Todd Bridges lectured about the Adaptation to Climate Change at Port and Navigation Sector. During the closing ceremony, Mr Ron Cox gave an overview on PIANC-COPEDEC, highlighting the results obtained with the edition in Rio de Janeiro.

The issues addressed by the keynote speakers included: (i) Attraction of private investments; (ii) Improvement in port management; (iii) Integration of transport modes; (iv) Reduce costs and increase productivity; (v) Adaptation to climate change and better alignment of natural and engineered systems; and, (vi) Importance and benefits of education at various levels and targeted at different stakeholders and awareness campaigns.

145 articles were presented at PIANC-COPEDEC 2016. The most represented discussion topics were Coastal Engineering, with 53 articles, followed by Port Engineering (25 articles) and by Port and Coastal Environmental Issues and Climate Change (21 articles) and Port Planning and Management (21 articles).

Five technical tours took place during the Conference. The hosts of the technical visits were Porto Sudeste, Sepetiba Tecon, Porto Novo, Lab-Oceano – the Laboratory for Ocean Technology of the Ocean Engineering Department at Federal University of Rio de Janeiro (UFRJ), and the Directorate of Hydrography and Navigation (DNH) of Brazilian Navy.

Parallel to these technical tours, a workshop was organised in the framework of PIANC-COPEDEC, entitled ‘Inland Navigation and a More Sustainable Use of Natural Resources: Networks, Challenges and Opportunities for South America’. This workshop was promoted in a joint effort of the World Association for Waterborne Transport Infrastructure (PIANC), the Brazilian National Waterway Transportation Agency (ANTAQ) and the Economic Commission for Latin America and the Caribbean (ECLAC).

The event also included two short courses: one regarding ‘Innovative Developments in Port & Waterway Planning and Design’, including a Workshop on ‘Nature-Based Solutions for Ports & Waterways and Coastal Zone Management’, and a second one on ‘Dredging’ and related issues.

During PIANC-COPEDEC IX two prizes were granted. The International Association of Dredging Companies (IADC) offered the Young Author Award for the best paper presented by a young author at the event. The winner was Lucas Silveira, for his article entitled ‘Integrated Method for the Development of Optimal Channel Dredging Project – Case Study: Terminal Portuário do Mearim’. His article also received a fast track to be published in ‘Terra et Aqua’, the only technical journal on dredging. Another prize offered was the Summa Amarasinghe Award for the best author article from developing countries. The winner was Adriana Pina, for her article entitled ‘A Procedure for Evaluation of The Technical Feasibility of a Vessel Approach Harbour Entrance’.

PIANC-COPEDEC Paper Selection Committee and a longstanding member of PIANC Australia, CoCom and PTG CC, Mr Ron Cox.
This year, the PIANC-COPEDEC IX had a smartphone application available for Android, iOS and Windows platforms. With the app, the delegates could have access to the conference schedule and the updated news related to the event.

Thanks to all participants, fellows, sponsors, supporters, PIANC’s members and the Professional Conference Organiser – GAP Congressos - for making PIANC-COPEDEC IX a successful event and pleasant experience.